

SUMMARY

CAST IRON SURFACE PUMPS

PF	02
CF	04
CB	06
CB.../A	08
CB/...B	10
J	12



JET	14
JB	17
CP	19
CS	21
CR	23
N	25

STAINLESS STEEL SURFACE PUMPS

CX	30
CBX	32
EHX	34
JX	39



CRX	41
NX	43
EVX	54

DRAINING PUMPS

LR	85
GL	87
G	89
VR	91
VX	93
GR	95



KM-KV	97
AP	99
COUPLING DEVICE	101
DOX	102
SX	105

DEEPWELL SUBMERSIBLE PUMPS

TURBO	107
DP	109
DX	111
3" SUBM. PUMPS	114



4" SUBM. PUMPS NORYL IMP.	116
6" SUBM. PUMPS NORYL IMP.	123
6" SUBM. PUMPS INOX IMP.	130

ACCESSORIES

CONTROL BOXES PM	138
CONTROL BOXES PT	138
CONTROL BOXES QA	139
CONTROL BOXES QMDE/QTDE	140



INVERTERS	142
ACCESSORIES	144
VARIOUS & SPECIAL EXECUTIONS	148

SERIES PF

PERIPHERAL PUMPS



Pumps with peripheral impellers which allow to reach medium-high discharge heads with low powers. This pumps are particularly suitable for pumping and distributing water in domestic water supply systems, as well as providing water supply to high pressure water heating systems.

LIMITS OF USE:

- Clean water with max temperature 80°C.
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- horizontal pump with axial inlet and upward facing outlet.
- Pump body and support: G20 cast iron.
- Bronze impeller
- Aisi 416 shaft
- Ceramic/graphite mechanical seal.

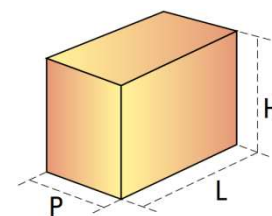
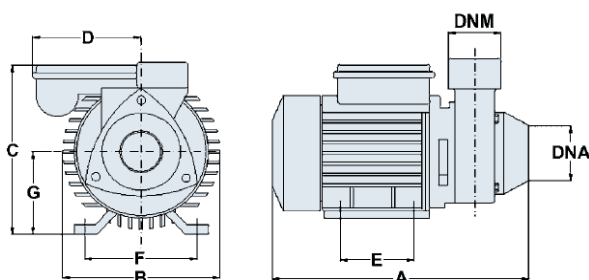
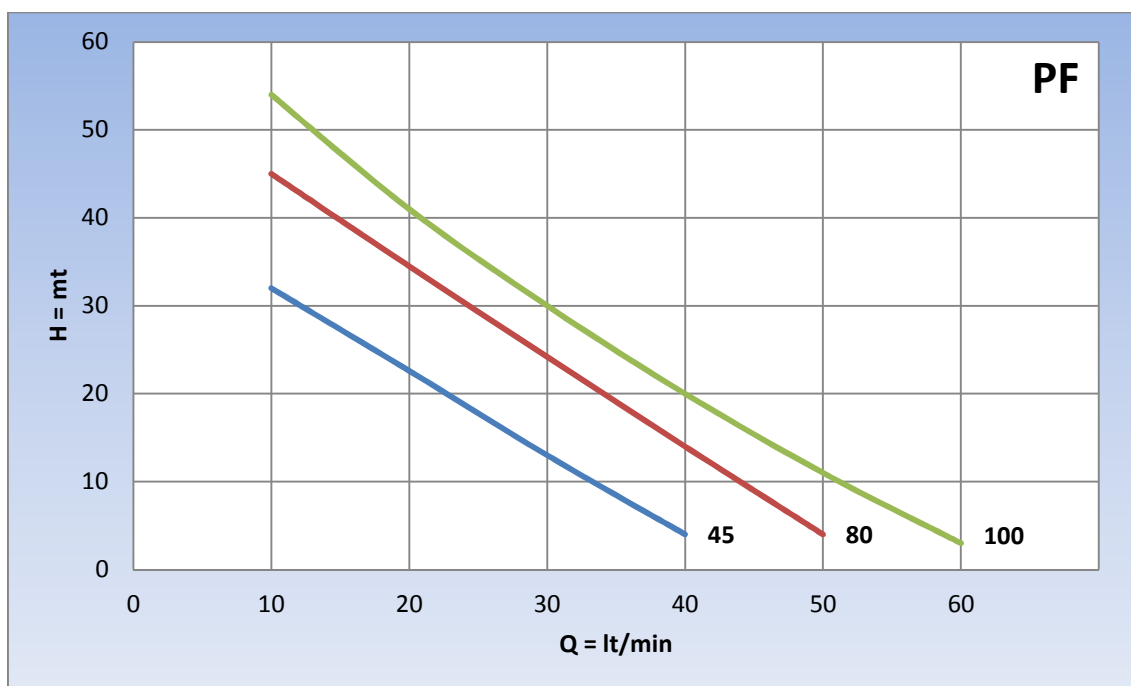
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES PF

PERIPHERAL PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY									
							M3/H	0,3	0,6	0,9	1,2	1,5	1,8	2,4	3	3,6
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	5	10	15	20	25	30	40	50	60
PF/45	0,5	0,37	10	2,5	1,9	1	H=MT	35	32	28	23	18	13	4		
PF/80	0,8	0,55	16	5,2	3,2	1,8		52	45	40	35	30	25	14	4	
PF/100	11	0,75	20	5,6	4,1	2,4		58	54	46	40	35	29	20	11	3



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
PF/45	250	120	155	76	80	100	63	1"	1"	290	165	145	6,1
PF/80	294	135	173	86	90	112	71	1"	1"	310	215	175	9,6
PF/100	294	135	173	86	90	112	71	1"	1"	310	215	175	9,6

SERIES CF

SINGLE IMPELLER CENTRIFUGAL PUMPS



This classical single-impeller pumps are suitable to be used in domestic, agricultural and industrial applications, as well as in heating and water supply systems.

LIMITS OF USE:

- Clean water with max temperature 80°C (45°C pumps with plastic impellers)
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket: G20 cast iron.
- Noryl impeller for CF/50, CF/80 and CF/100 (bronze one on request, bronze impeller for others)
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

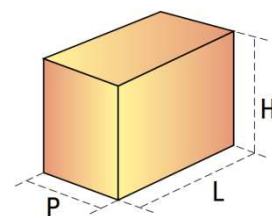
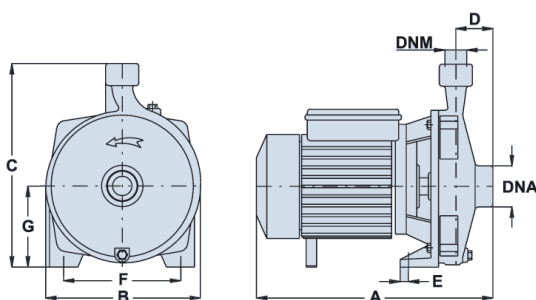
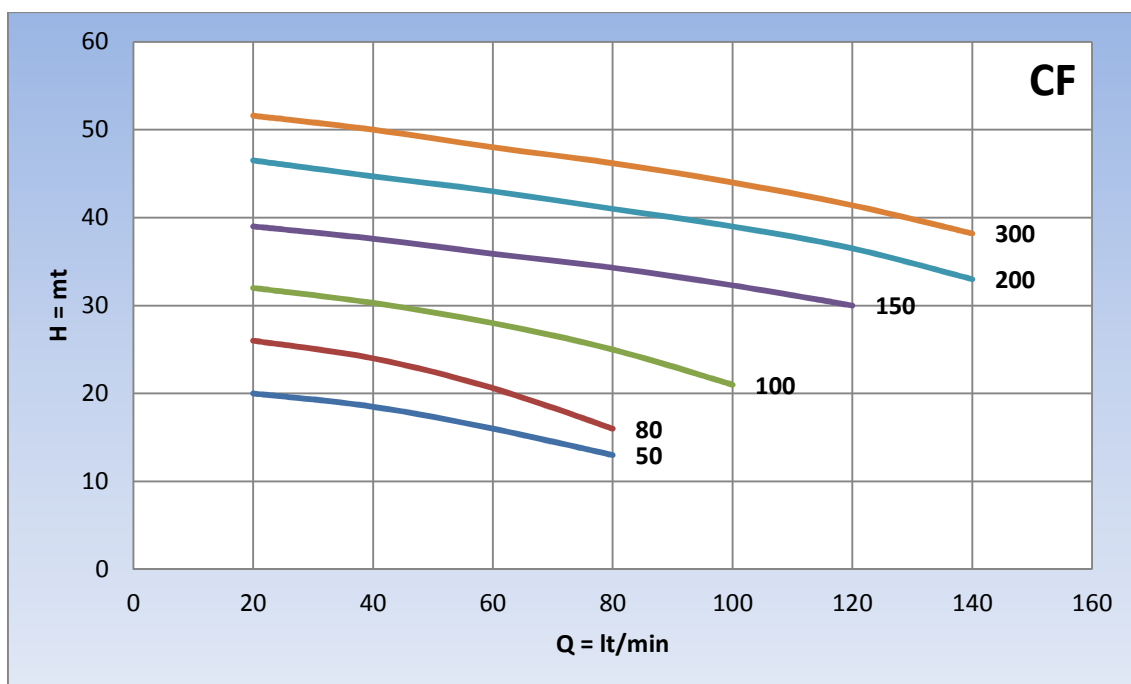
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CF

SINGLE IMPELLER CENTRIFUGAL PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY								
							M3/H	0	12	24	36	48	6	72	84
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	0	20	40	60	80	100	120	140
CF/50	0.5	0.37	12.5	3	1.8	1,0	H=MT	21	19	18	15	13			
CF/80	0.75	0.55	16	4.5	2.6	1,5		27	26	24	19	16			
CF/100	1	0.75	20	5.2	3.2	1,8		33	31	30	28	25	21		
CF/150	1.5	1.1	31.5	8.9	4.8	3		40	39	37	35	34	32	30	
CF/200	2	1.5	40	11.9	6.4	3,8		48	46	44	43	41	39	37	33
CF/300	3	2.2	45	14	9.2	5,2		53	51	50	48	46	44	42	38



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG (bronz imp.)	KG (noryl imp.)
CF/50	270	170	225	45	15	120	84	1"	1"	290	245	190	10	9,5
CF/80	310	185	250	46	17	140	98,5	1"	1"	320	275	210	13,5	13
CF/100	310	185	250	46	17	140	98,5	1"	1"	320	275	210	15	14,5
CF/150	355	225	295	50	20	170	115	1 1/4"	1"	385	320	235	21	
CF/200	355	225	295	50	20	170	115	1 1/4"	1"	385	320	235	25,5	
CF/300	355	225	295	50	20	170	115	1 1/4"	1"	385	320	235	26	

SERIES CB

CENTRIFUGAL PUMPS WITH TWO IMPELLERS



Double-impeller pumps suitable for agricultural, domestic and industrial use where high discharge heads are requested.

LIMITS OF USE:

- Clean water without solid parts with max temperature of liquid: 80°C
- Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

- horizontal pump with axial inlet and upward facing outlet
- pump body and base support: cast iron G20
- shaft and rotor in Aisi 304
- two opposite impellers in bronze
- ceramic/graphite mechanical seal

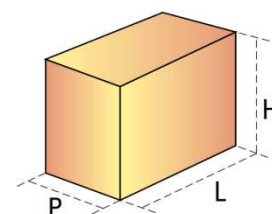
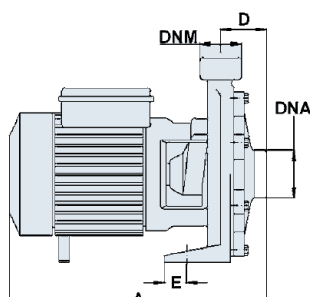
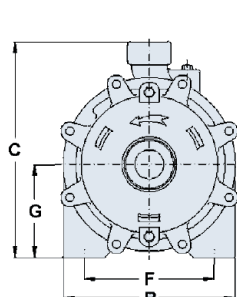
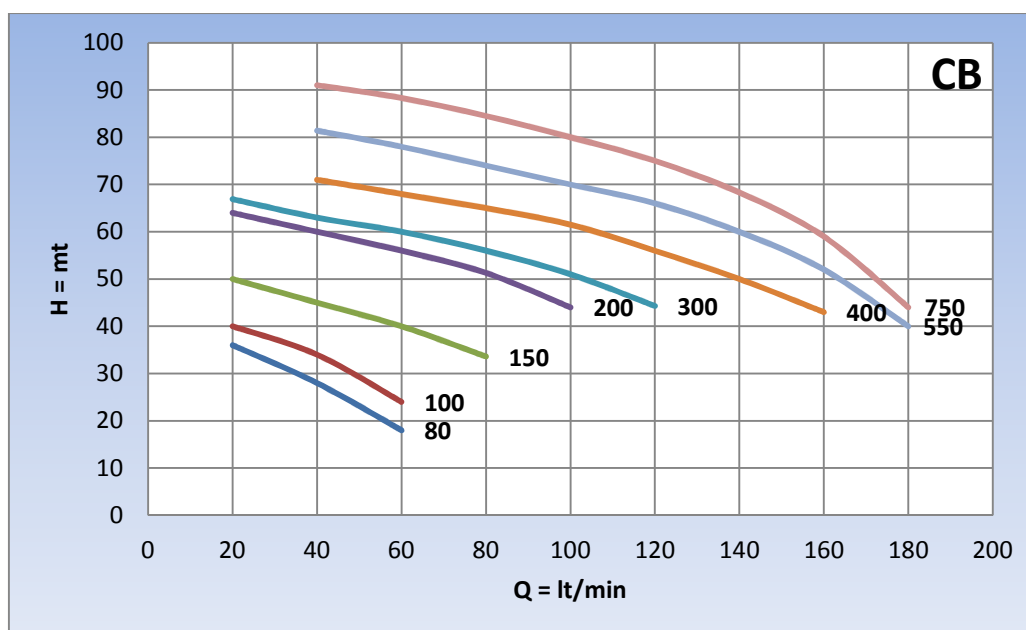
ELECTRIC MOTOR:

- Closed type with external cooling fan, insulation class F, grade of protection IP44
- Standard voltages: M = 230/240-50; T = 230/400-50
- Single phase motors is fitted with thermic microswitches for a thermal protection. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CB

CENTRIFUGAL PUMPS WITH TWO IMPELLERS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY											
							M3/H	0.9	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	15	30	40	60	80	100	120	140	160	180	
CB/80	0,75	0,55	16	4,5	2,6	1,5	H = MT	36	32	30	20							
CB/100	1	0.75	20	5.2	3.2	1.8		40	36	34	25							
CB/150	1.5	1.1	31.5	8	4.8	3		50	47	45	40	35						
CB/200	2	1.5	40	11.5	6.4	3.8		64	61	60	55	50	47					
CB/300	3	2.2	-	-	9.2	5.2		65	64	63	60	56	51	48				
CB/400	4	3	-	-	14	8			73	71	68	65	67	56	50	43		
CB/550	5.5	4	-	-	17	10			83	82	78	74	70	66	60	52	40	
CB/750	7,5	5,5	-	-	20	11.5			93	91	87	84	80	75	70	59	42	



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
CB/80	345	190	235	67	14	156	96,5	1" 1/4	1"	365	255	200	15,4
CB/100	345	190	235	67	14	156	96,5	1" 1/4	1"	365	255	200	16,4
CB/150	375	225	270	73,5	15	158	114	1" 1/4	1"	390	295	235	25
CB/200	375	225	270	73,5	15	158	114	1" 1/4	1"	390	295	235	27
CB/300	375	225	270	73,5	15	158	114	1" 1/4	1"	390	295	235	28
CB/400	463	266	305	95,5	14	212	135	1" 1/2	1" 1/4	540	360	290	44
CB/550	463	266	305	95,5	14	212	135	1" 1/2	1" 1/4	540	360	290	46
CB/750	463	266	305	95,5	14	212	135	1" 1/2	1" 1/4	540	360	290	46

SERIES CB/...A

CENTRIFUGAL PUMPS WITH TWO IMPELLERS



Double-impeller pumps suitable for agricultural, domestic and industrial use. This model features a very low noise, excellent hydraulic performances with medium-high head discharges and high flow rates.

LIMITS OF USE:

- Clean water without solid parts with max temperature of liquid: 45°C (plastic components inside)
- Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

- horizontal pump with axial inlet and upward facing outlet
- pump body and base support: cast iron G20
- shaft and rotor in Aisi 304
- impellers in noryl (bronze ones on request), noryl diffusers
- ceramic/graphite mechanical seal

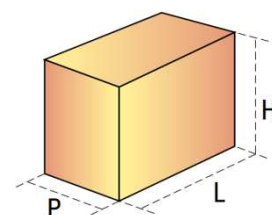
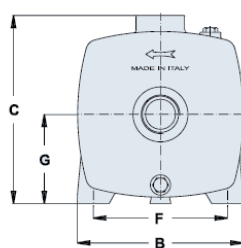
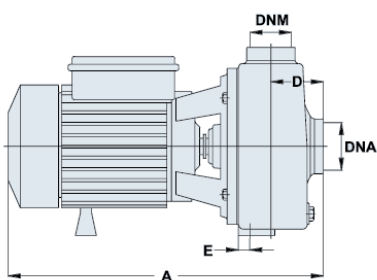
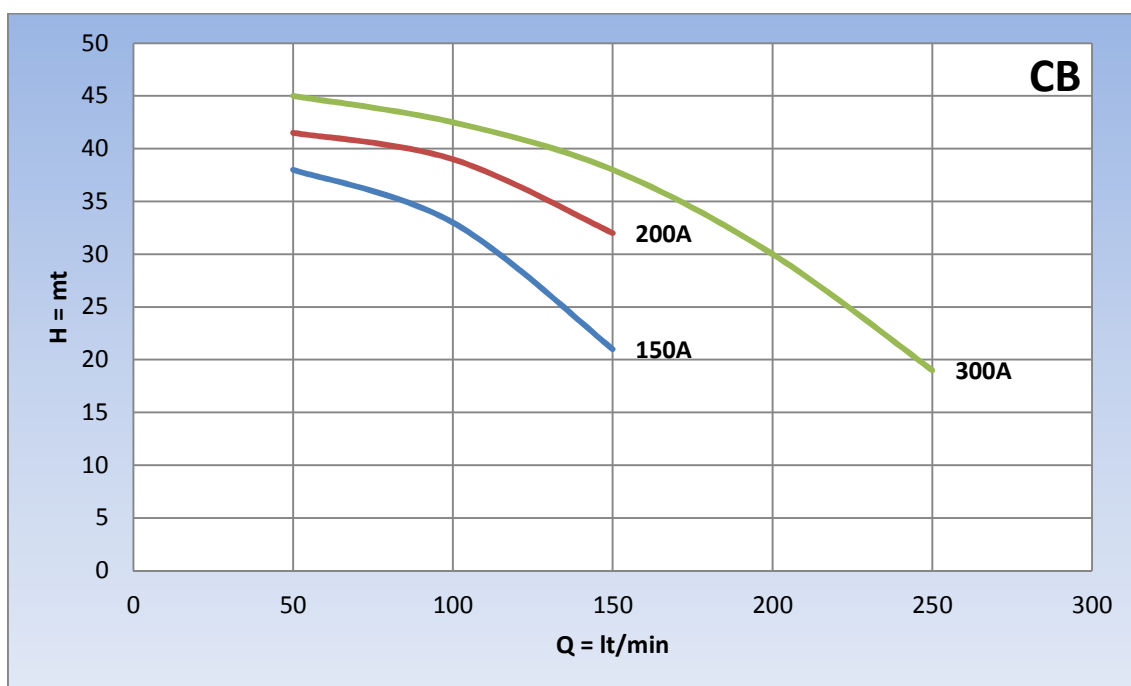
ELECTRIC MOTOR:

- Closed type with external cooling fan, insulation class F, grade of protection IP44
- Standard voltages: M = 230/240-50; T = 230/400-50
- Single phase motors are fitted with thermic microswitches for a thermal protection. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CB/...A

CENTRIFUGAL PUMPS WITH TWO IMPELLERS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q=DELIVERY														
							M3/H	0.9	1.8	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.5	15	
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	15	30	40	60	80	100	120	140	160	180	200	225	250	
CB/150A	1.5	1.1	31.5	9.5	5.5	3		39	38	37	36	35	32	29	24						
CB/200A	2	1.5	35	10.5	6.6	3.8		43	43	42	41	40	38	36	33						
CB/300A	3	2.2	40	12.5	8.5	5		45	45	44	44	43	42	40	38	36	33	30	25	20	



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
CB/150A	398	205	225	65	14	166	110,5	1" 1/2	1" 1/4	420	295	235	23
CB/200A	398	205	225	65	14	166	110,5	1" 1/2	1" 1/4	420	295	235	24
CB/300A	398	205	225	65	14	166	110,5	1" 1/2	1" 1/4	420	295	235	25

SERIES CB/...B

CENTRIFUGAL PUMPS WITH TWO IMPELLERS



Double-impeller pumps suitable for agricultural, domestic and industrial use where high discharge heads are requested.

LIMITS OF USE:

- Clean water without solid parts with max temperature of liquid: 80°C
- Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

- horizontal pump with axial inlet and upward facing outlet
- pump body and base support: cast iron G20
- shaft and rotor in Aisi 304
- two opposite impellers in cast iron G20
- ceramic/graphite mechanical seal

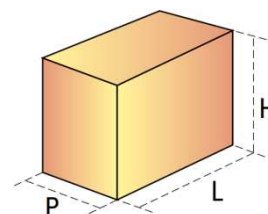
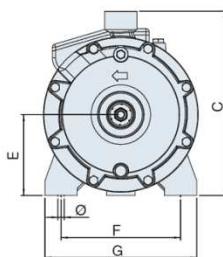
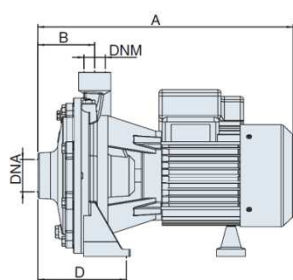
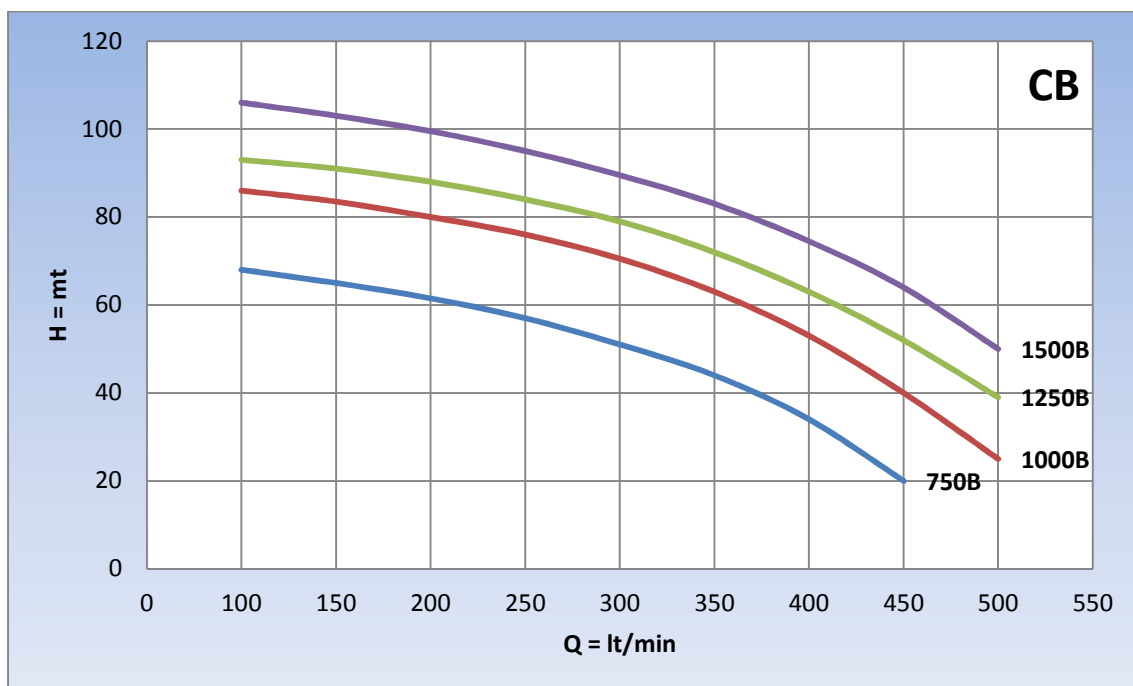
ELECTRIC MOTOR:

- Closed type with external cooling fan, insulation class F, grade of protection IP44
- Standard voltages: T = 230/400V – 50 Hz
- Different voltages and frequency available on request

SERIES CB/...B

CENTRIFUGAL PUMPS WITH TWO IMPELLERS

MOD.	POWER		CAP.	ABSORBED AMP.			Q = DELIVERY														
							M3/H	2.4	4.8	6	7.2	8.4	9.6	10.8	12	13.5	15	18	24	27	30
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	40	80	100	120	140	160	180	200	225	250	300	400	450	500
CB/750B	7.5	5.5	-	-	19	11	H = mt			69	69	68	66	64	61	68	65	51	34	20	
CB/1000B	10	7.5	-	-	28.4	16.4				87	86	85	84	83	81	79	75	70	52	40	25
CB/1250B	12,5	9.2	-	-	32	19.4				93	92	91	90	89	88	86	83	79	63	51	39
CB/1500B	15	11	-	-	36.4	23				106	105	104	103	102	100	98	95	90	73	61	50



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Ø	DNA	DNM	L mm	H mm	P mm	KG
CB/750B	540	117,5	345	179,5	160	230	295	13	2"	1" ½	650	450	370	65
CB/1000B	608	117,5	345	179,5	160	230	295	13	2"	1" ½	650	450	370	81
CB/1250B	608	117,5	345	179,5	160	230	295	13	2"	1" ½	650	450	370	87
CB/1500B	646	117,5	345	179,5	160	23	295	13	2"	1" ½	720	451	430	95

SERIES J

SELF PRIMING PUMPS



Self priming pumps with short body which reaches good hydraulic performances and very low noise while running. It's recommended to use the pump with clean water in domestic uses.

LIMITS OF USE:

- Clean water with max temperature 40°C.
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket: G20 cast iron.
- Venturi tube: noryl reinforced with glass fibre
- Noryl impeller (bronze one on request)
- Aisi 416 shaft
- Ceramic/graphite mechanical seal.

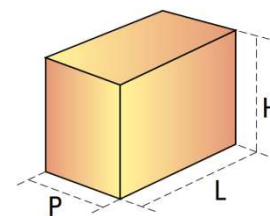
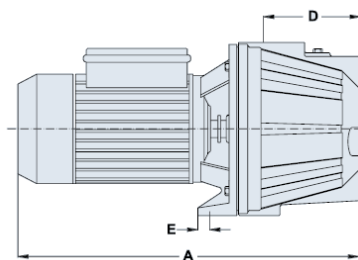
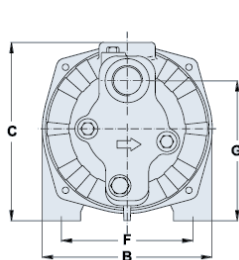
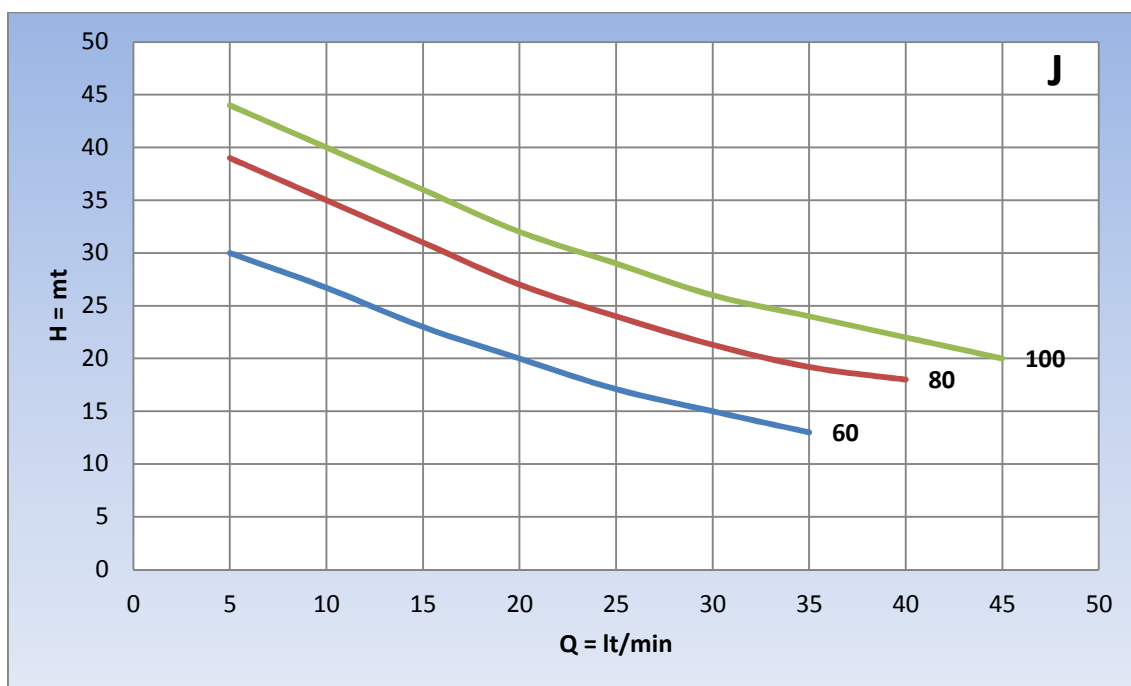
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES J

SELF PRIMING PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY									
							M3/H	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	5	10	15	20	25	30	35	40	45
J/60	0,6	0,45	12,5	3,5	1,6	0,8	$H = \frac{M}{T}$	30	27	23	20	17	15	13		
J/80	0,8	0,55	16	4	2,2	1,3		39	35	31	27	24	23	20	18	
J/100	1	0,75	20	4,5	3	1,8		44	40	36	32	29	26	24	22	20



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
J/60	360	185	195	90	17,5	140	152,5	1"	1"	410	235	200	13
J/80	360	185	195	90	17,5	140	152,5	1"	1"	410	235	200	14
J/100	385	185	195	90	17,5	140	152,5	1"	1"	410	235	200	15

SERIES JET

SELF PRIMING PUMPS



Self priming pumps designed to pump clean water, even in the presence of air mixed with the pumped liquid. Because of their reliability, low noise and no necessity of maintenance, this pumps are recommended for domestic uses, such as the distribution of water in small or medium sized pressure sets and for the irrigation.

LIMITS OF USE:

- Clean water with max temperature 40°C
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket: G20 cast iron.
- Venturi tube: noryl reinforced with glass fibre
- Noryl impeller (bronze one available on request)
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

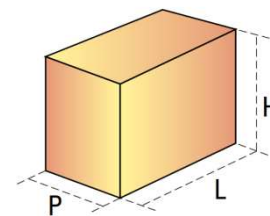
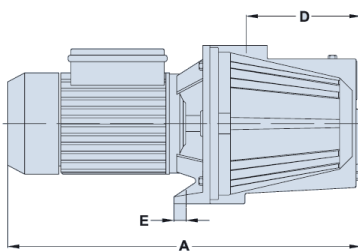
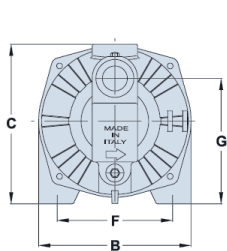
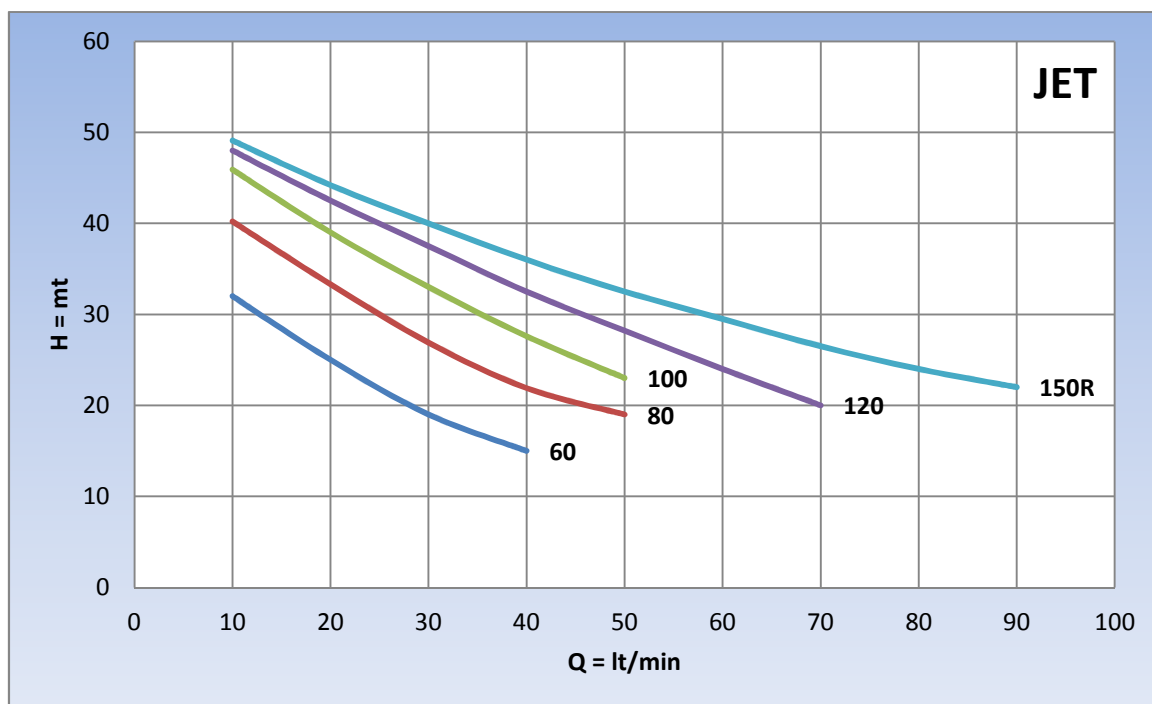
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES JET

SELF PRIMING PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY																
							M3/H	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.6	4.2	4.8	5.4		
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	5	10	15	20	25	30	35	40	45	50	60	70	80	90		
JET/60	0,6	0,45	12.5	3.5	1.6	0.8	H=MT	35	32	28	25	22	20	17	15								
JET/80	0,8	0,55	16	4	2.2	1.3		44	41	37	34	30	28	25	23	20							
JET/100	1	0,75	20	4.8	3	1.8		50	47	42	38	36	33	30	28	25	23						
JET/120	1.2	0.9	20	5.2	3.2	1.8		50	48	45	42	40	38	36	34	32	30	26	20				
JET/150	1.5	1.1	31.5	7	4.5	2.6		52	51	47	44	42	40	38	36	35	33	30	27	25	22		

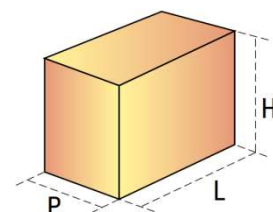
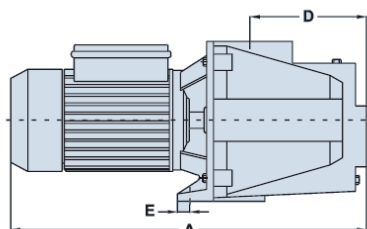
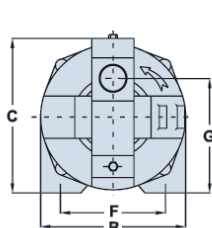
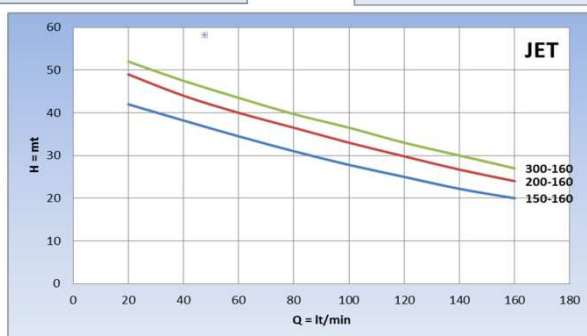
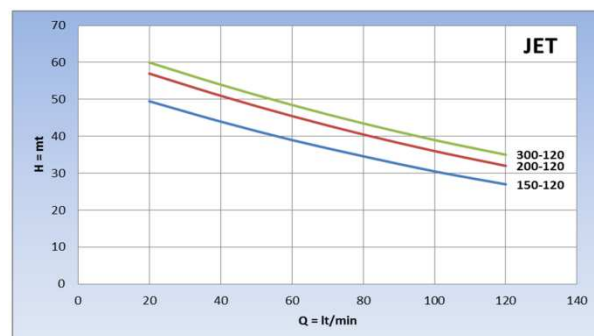
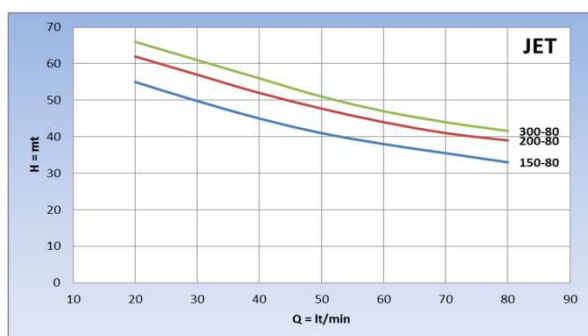


TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
JET/60	430	185	195	141	17,5	140	152,5	1"	1"	450	235	200	16
JET/80	430	185	195	141	17,5	140	152,5	1"	1"	450	235	200	16,5
JET/100	430	185	195	141	17,5	140	152,5	1"	1"	450	235	200	17
JET/120	430	185	195	141	17,5	140	152,5	1"	1"	450	235	200	17,5
JET/150	510	210	220	166	18	166	165	1 1/4"	1"	520	260	235	26

SERIES JET

SELF PRIMING PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q=DELIVERY													
	HP	KW		230V-M	230V-T	400V-T	M3/H	06	12	18	24	3	36	42	48	6	72	84	96	
			MF/450V				LT/MIN	10	20	30	40	50	60	70	80	100	120	140	160	
JET150-80	1.5	1.1	31.5	8.6	5.5	3.2	H=M/T	63	55	50	45	42	39	36	33					
JET200-80	2	1.5	40	11	6.6	3.8		71	62	57	52	49	45	42	39					
JET300-80	3	2.2	45	14	8.5	5		75	66	61	56	51	48	45	41					
JET150-120	1.5	1.1	31.5	9	5.5	3.2		54	50	46	44	41	39	37	35	31	27			
JET200-120	2	1.5	40	11.2	6.6	3.8		61	57	54	51	48	46	43	41	36	32			
JET300-120	3	2.2	45	14	8.5	5		64	60	57	54	51	49	46	44	39	35			
JET150-160	1.5	1.1	31.5	9.3	5.5	3.2		45	42	40	39	37	35	33	32	28	25	23	20	
JET200-160	2	1.5	40	11.6	6.6	3.8		51	49	46	44	43	41	38	37	34	31	27	24	
JET300-160	3	2.2	45	14	8.5	5		54	52	50	48	46	44	42	40	37	34	30	27	



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
JET150-80	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	26,5
JET200-80	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5
JET300-80	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5
JET150-120	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	26,5
JET200-120	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5
JET300-120	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5
JET150-160	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	26,5
JET200-160	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5
JET300-160	510	210	220	166	18	166	165	1 1/2"	1"	520	260	235	28,5

SERIES JB

SELF PRIMING PUMPS WITH TWO IMPELLERS



Self priming pumps with two impellers designed to pump clean water, even in the presence of air mixed with the pumped liquid. Because of their reliability, low noise and no necessity of maintenance, this pumps are recommended for domestic uses, such as the distribution of water in small or medium sized pressure sets and for the irrigation.

LIMITS OF USE:

- Clean water with max temperature 45°C
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket: G20 cast iron.
- Venturi tube, ejector body: noryl reinforced with glass fibre
- Noryl impeller (bronze one available on request)
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

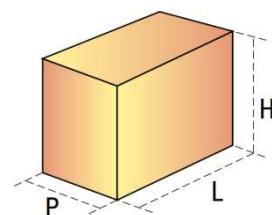
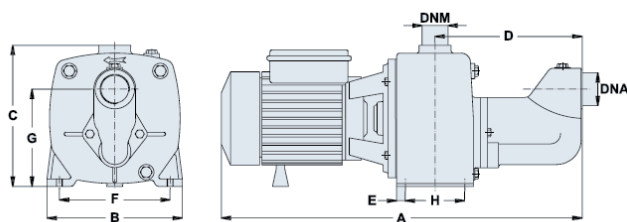
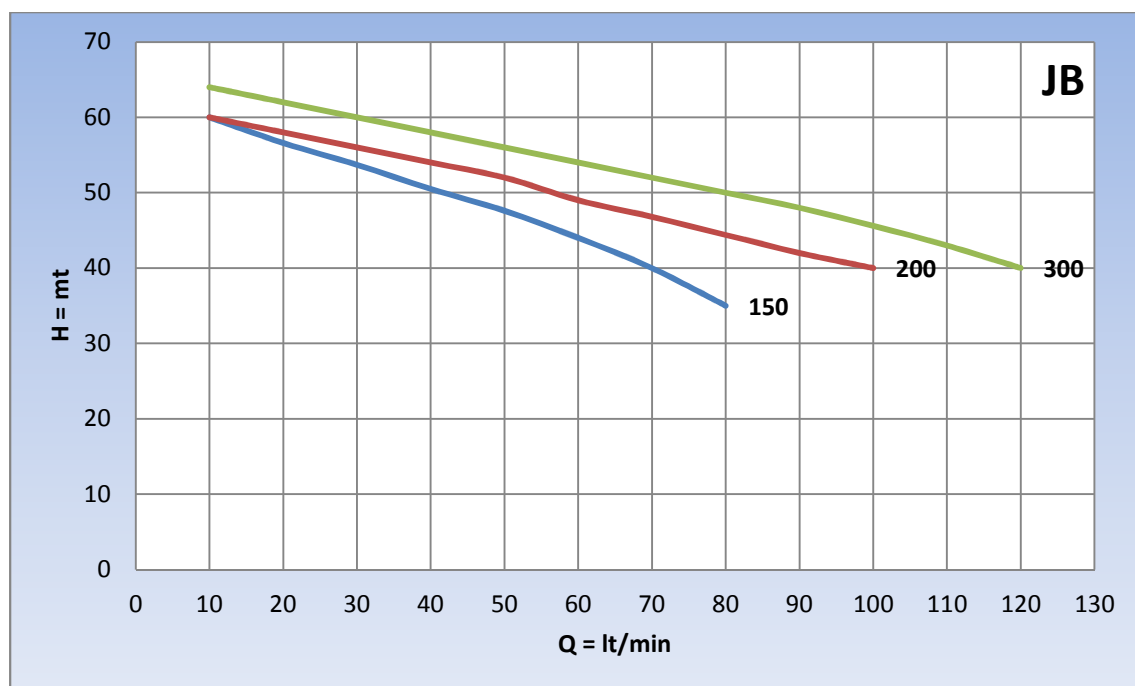
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES JB

SELF PRIMING PUMPS WITH TWO IMPELLERS

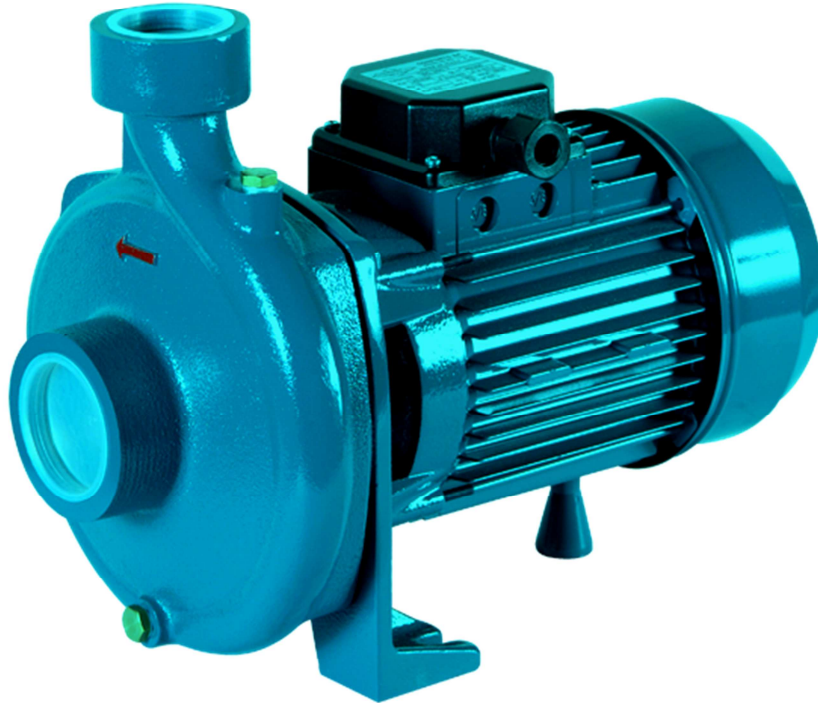
MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY													
	HP	KW		MF/450V	230V-M	230V-T	400V-T	M3/H	06	12	18	24	3	36	42	48	54	6	66	72
								LT/MIN	10	20	30	40	50	60	70	80	90	100	110	120
JB/150	1,5	1,1	31.5	9,5	5,5	3,2	H = MT	60	56	53	50	47	44	40	35					
JB/200	2	1,5	35	10,5	6,6	3,8		60	58	56	54	52	49	46	44	42	40			
JB/300	3	2,2	40	12,5	8,5	5		64	62	60	58	56	54	52	50	48	46	43	40	



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G (mm)	H (mm)	DNA	DNM	L mm	H mm	P mm	KG
JB/150	595	220	229.5	240	14	180	158.5	96.5	1"1/2	1"	620	280	240	30
JB/200	595	220	229.5	240	14	180	158.5	96.5	1"1/2	1"	620	280	240	32
JB/300	595	220	229.5	240	14	180	158.5	96.5	1"1/2	1"	620	280	240	33

SERIES CP

CENTRIFUGAL PUMPS



This pumps are suitable to be used in domestic, agricultural and industrial applications when big deliveries are requested with medium discharge head.

LIMITS OF USE:

- Clean water with max temperature 80°C
- Max. suction depth: 7 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket: G20 cast iron.
- Bronze impeller
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

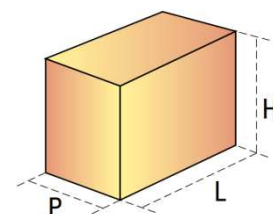
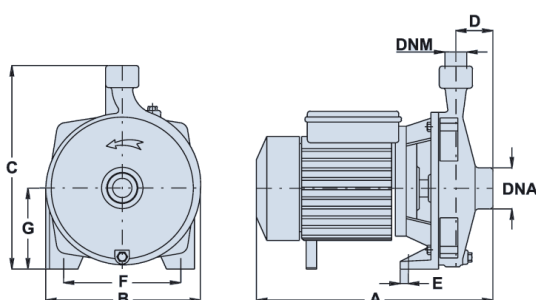
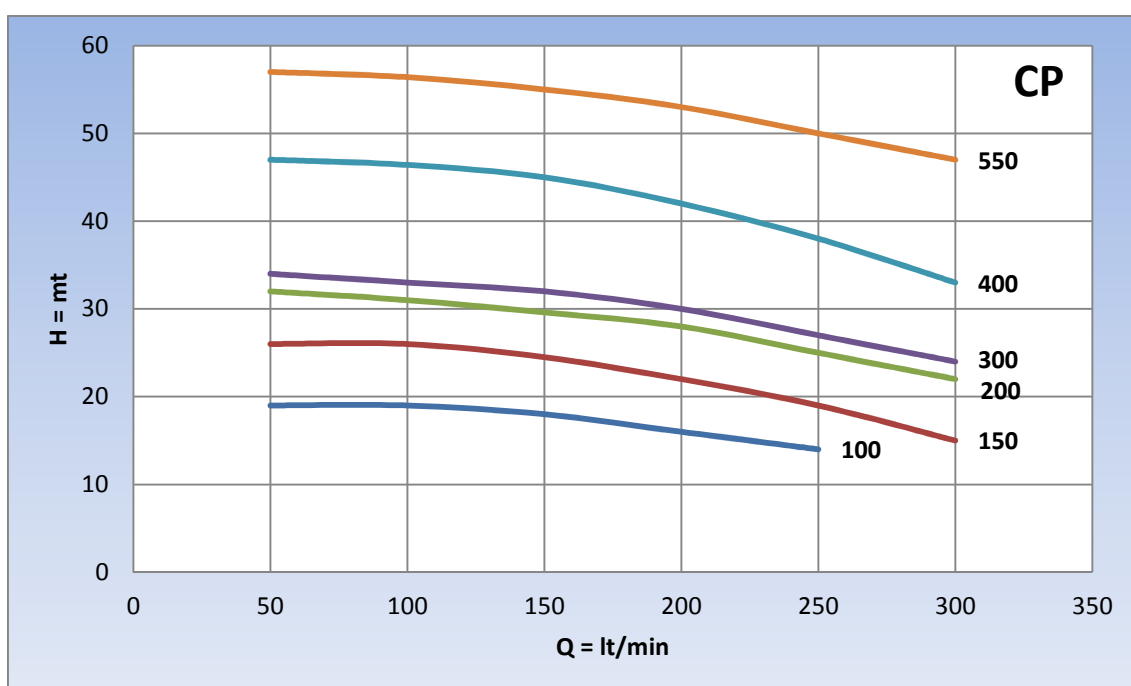
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CP

CENTRIFUGAL PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY						
							M3/H	3	6	9	12	15	18
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	50	100	150	200	250	300
CP/100	1	0,75	20	6	4	2,3	H = MT	19	19	18	16	14	
CP/150	1.5	1,1	31.5	9,5	4,8	3		26	26	24	22	19	15
CP/200	2	1,5	40	12	6,4	3,8		32	31	29	27	25	22
CP/300	3	2,2	45	14	9,2	5,2		34	33	32	30	27	24
CP/400	4	3	-	-	14	8		47	46	45	42	38	33
CP/550	5.5	4	-	-	17	10		57	56	55	53	50	47



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
CP/100	315,3	180	251,5	49,5	8,2	140	101,5	2"	1"1/4	315	260	180	14
CP/150	360	212	276	55	11,5	142	116	2"	1"1/2	390	295	235	22
CP/200	360	212	276	55	11,5	142	116	2"	1"1/2	390	295	235	23
CP/300	360	212	276	55	11,5	142	116	2"	1"1/2	390	295	235	24
CP/400	440	250	319	70	14	185	130	2"	1"1/4	470	355	280	37
CP/550	440	250	319	70	14	185	130	2"	1"1/4	470	355	280	38

SERIES CS

CENTRIFUGAL PUMPS WITH BIG DELIVERY



This pumps are projected to be used where big deliveries are requested, despite of medium/low pressure heads. For this performances is mostly used in big irrigation complexes, rain irrigation, water transfers and so on.

LIMITS OF USE:

- Clean water with max temperature 80°C
- Max. suction depth: 2/3 mt

CONSTRUCTION MATERIALS:

- Pump body, impeller and motor bracket: G20 cast iron.
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

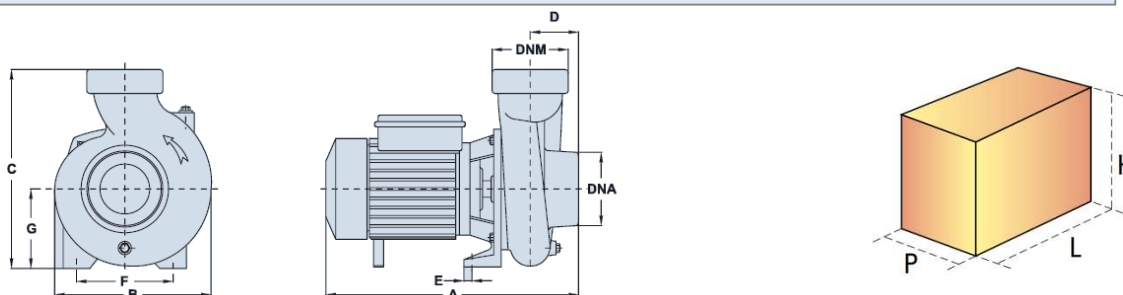
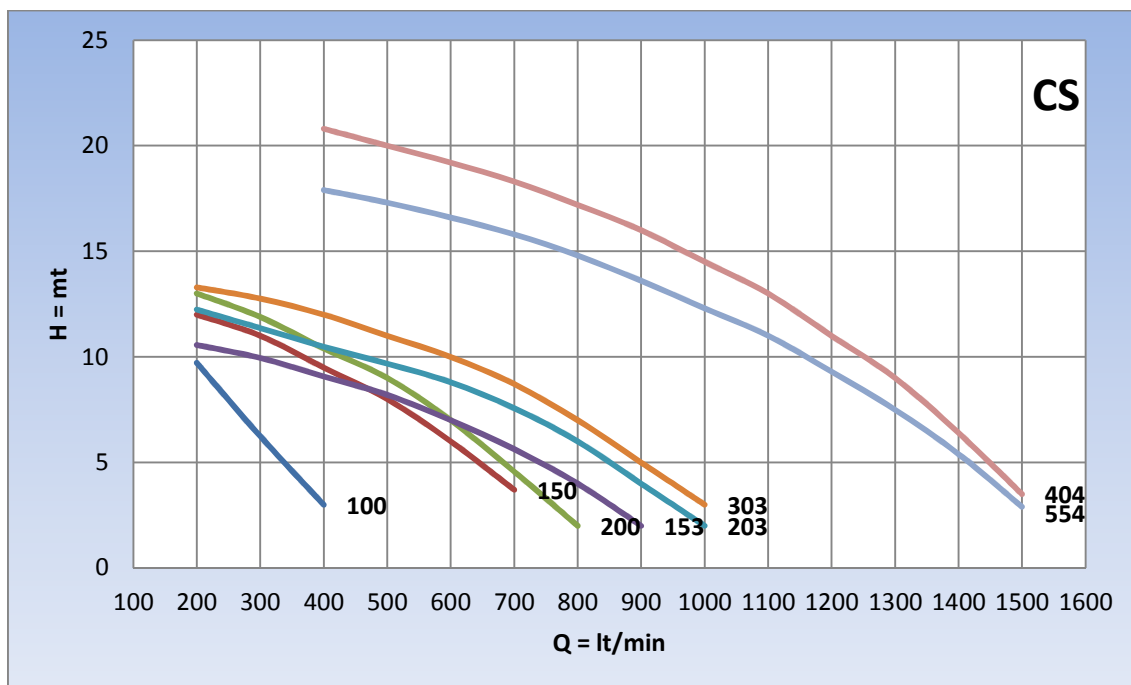
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CS

CENTRIFUGAL PUMPS WITH BIG DELIVERY

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY														
							M3/H	6	12	18	24	30	36	42	48	54	60	72	78	90	
	HP	KW	MF/450V	230V- M	230V- T	400V- T	LT/MIN	100	200	300	400	500	600	700	800	900	1000	1200	1300	1500	
CS/100	1	0.75	20	5	2.2	1.3	H=MT	13	10	6	3										
CS/150	1.5	1.1	31.5	8	4.8	2.8		13	12	11	9	8	6	4							
CS/200	2	1.5	31.5	10	6.7	3.8		14	13	12	10	9	7	4	2						
CS/153	1.5	1.1	31.5	8.5	4.8	2.8		11	11	10	9	8	7	6	4	2					
CS/203	2	1.5	31.5	10	6.7	3.8		13	12	11	11	10	9	7	6	4	2				
CS/303	3	2.2	40	11.5	9.5	5.2		14	13	12	12	11	10	8	7	5	3				
CS/404	4	3	-	-	14	9		19	19	18	18	17	17	16	15	13	12	9	7	3	
CS/554	5.5	4	-	-	17	11		22	22	21	21	20	19	18	17	16	15	11	9	4	



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
CS/100	330	170	230	50	15	115	90	2"	2"	365	255	200	15
CS/150	370	180	285	53	14	140	115	2"	2"	420	330	250	23
CS/200	370	180	285	53	14	140	115	2"	2"	466	244	291	25
CS/153	367	220	290	75	12	140	116	3"	3"	466	244	291	25
CS/203	367	220	290	75	12	140	116	3"	3"	466	244	291	26
CS/303	367	237	296	72	12	140	116	3"	3"	466	244	291	26
CS/404	466	244	291	84	70	189	130	4"	4"	540	360	290	38
CS/554	466	244	291	84	70	189	130	4"	4"	540	360	290	40

SERIES CR

CENTRIFUGAL OPEN IMPELLER PUMPS



The open impeller allow pumping of clean or relatively dirty water which have solid parts with diameter maximum of 8 mm.

LIMITS OF USE:

- Clean water with max temperature 80°C
- Max. suction depth: 2/3 mt

CONSTRUCTION MATERIALS:

- Pump body and motor bracket in cast iron.
- Bronze impeller
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

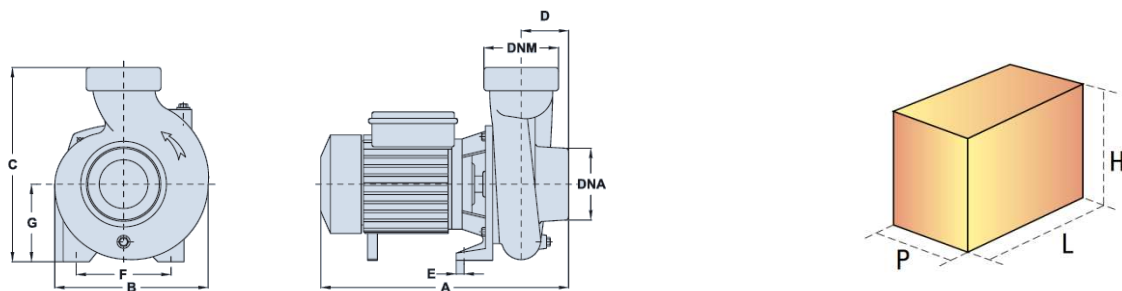
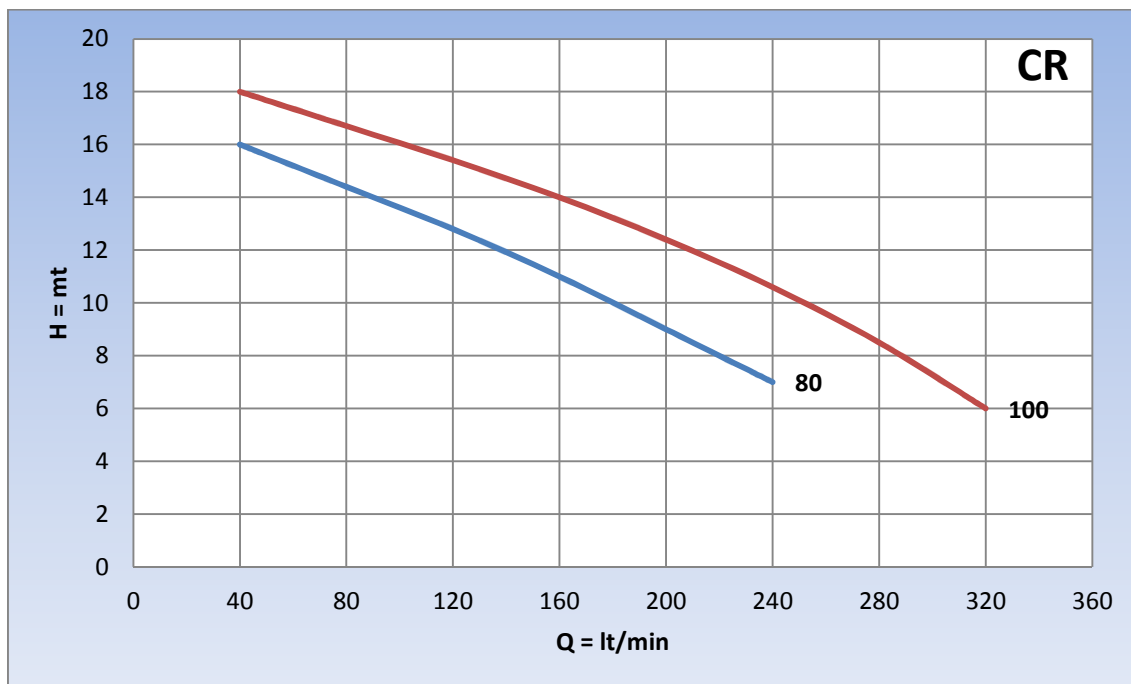
ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: M = 230/240-50; T = 230/400-50.
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.
- Different voltages and frequency available on request

SERIES CR

CENTRIFUGAL OPEN IMPELLER PUMPS

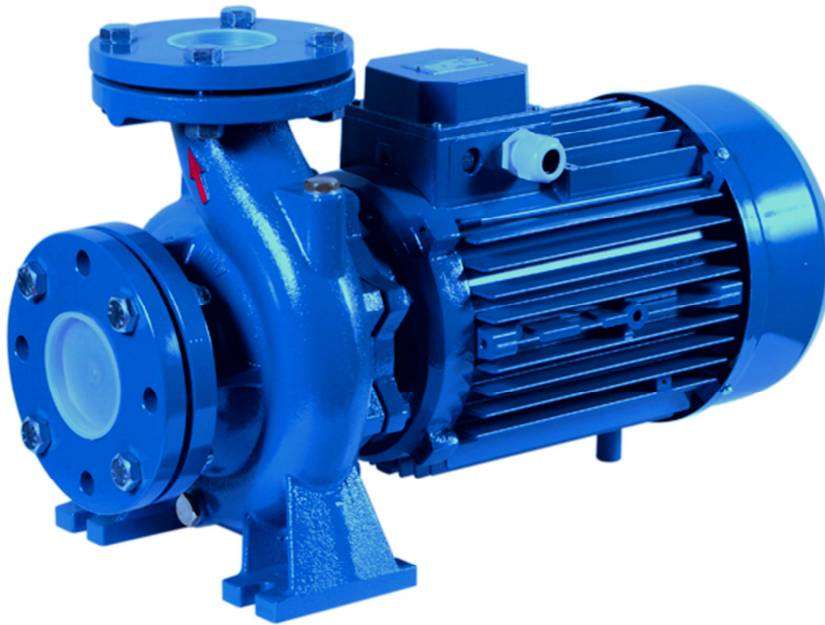
MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY								
							M3H	24	48	72	96	12	144	168	192
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	40	80	120	160	200	240	280	320
CR/80	0.75	0.55	16	4.5	2.6	1.5	$\frac{11}{12}$	15.5	14	12.5	10.5	9	6.5		
CR/100	1	0.75	20	5	3	1.8		17	16	15.5	14	13	11	8.5	6



TYPE	A mm	B mm	C mm	D mm	E mm	F mm	G mm	DNA	DNM	L mm	H mm	P mm	KG
CR/80	310	186	235	38	15	140	105	1"1/2	1"1/4	365	255	200	14.5
CR/100	310	186	235	38	15	140	105	1"1/2	1"1/4	365	255	200	15

SERIES N

CLOSE COUPLED PUMPS AS PER DIN 24255 STANDARDS



This close-coupled pumps, projected and realized following DIN 24255 (uni en 733) regulation standards, are used to pump chemically clean water without solid parts in heating or cooling systems, irrigation systems, fire – fighting units. The big range of choice (from 3 to 22 Kw) and their high affidability make this pumps suitable for agricultural, civil and industrial applications.

LIMITS OF USE:

- Clean water with max temperature 80°C
- Max. suction depth: 7 mt
- Max operation pressure: 10 bar

CONSTRUCTION MATERIALS:

- Pump body, impeller and motor bracket: G20 cast iron.
- Aisi 416 shaft
- Ceramic/graphite mechanical seal

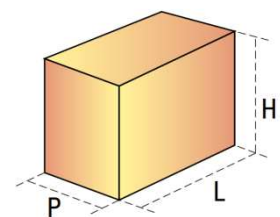
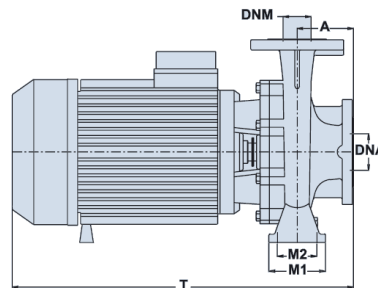
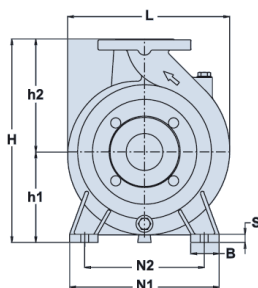
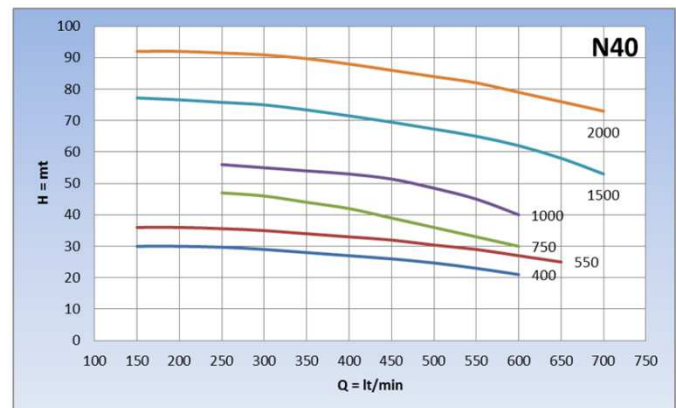
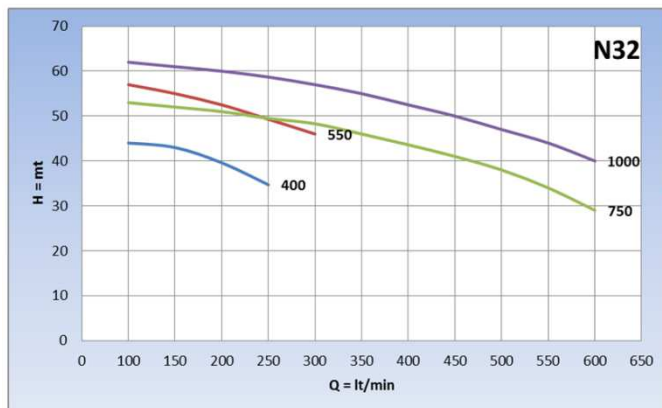
ELECTRIC MOTOR:

- Close type with external cooling fan, insulation class F, grade of protection IP44.
- Standard voltages: 3 and 4 Kw: 230/400-50; from 5,5 Kw to 22 Kw: 400/690-50
- Different voltages and frequency available on request

SERIES N

CLOSE COUPLED PUMPS AS PER DIN 24255 STANDARDS

MOD.	POWER		ABSORBED AMP.			Q = DELIVERY														
						M3/H	6	9	12	15	18	21	24	27	30	33	36	39	42	
	HP	KW	230V-M	400V-T	690V-T	LT/MIN	100	150	200	250	300	350	400	450	500	550	600	650	700	
N32/400 (160B)	4	3	11,6	6,8		H =	44	43	39	36										
N32/550 (160°)	5.5	4	16	9.4			57	55	52	48	46									
N32/750 (200B)	7.5	5.5		13	7		53	52	51	49	47	46	43	41	38	34	29			
N32/1000 (200A)	10	7.5		16	9.5		62	61	60	59	57	55	52	50	47	44	40			
N40/400 (160B)	4	3	14	8				30	30	30	29	28	27	26	25	23	21			
N40/550 (160A)	5.5	4	17	10				36	36	35	35	34	33	32	31	29	27	25		
N40/750 (200B)	7.5	5.5		13	7					47	46	44	42	39	35	33	30			
N40/1000 (200A)	10	7.5		16	9.5					56	55	54	53	51	49	45	40			
N40/1500 (250B)	15	11		25	13				76	76	75	75	73	71	69	67	65	62	58	53
N40/2000 (250A)	20	15		32	17				92	92	91	90	89	88	86	84	82	79	76	73

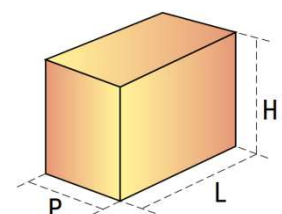
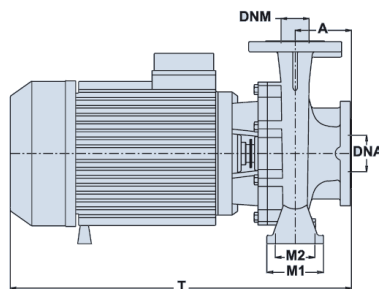
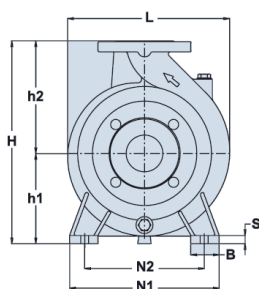
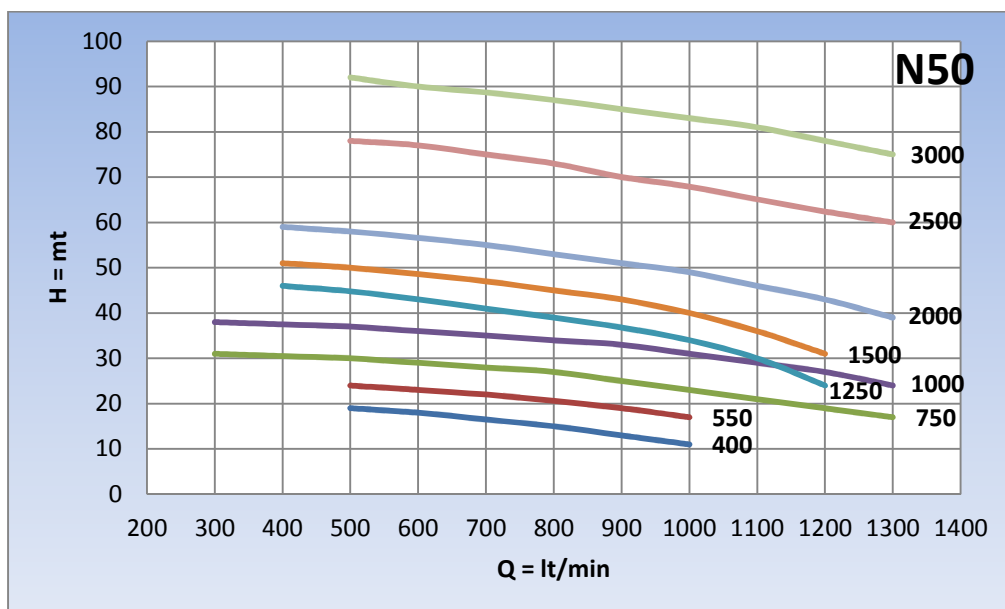


TYPE	A mm	H mm	h1 mm	h2 mm	L mm	M1 mm	M2 mm	N1 mm	N2 mm	B mm	S mm	T mm	DNA	DNM	L mm	H mm	P mm	KG
N32/400	80	340	160	180	260.5	100	70	240	190	50	14	450	50	32	540	360	290	45
N32/550	80	340	160	180	260.5	100	70	240	190	50	14	450	50	32	540	360	290	48
N32/750	80	340	160	180	268	100	70	240	190	50	15	541	50	32	660	600	350	71
N32/1000	80	340	160	180	268	100	70	240	190	50	15	541	50	32	660	600	350	78
N40/400	80	292	132	132	245.5	100	70	240	190	50	15	460	65	40	540	360	290	46
N40/550	80	292	132	132	245.5	100	70	240	190	50	15	460	65	40	540	360	290	49
N40/750	100	340	160	160	275	100	70	265	212	50	15	560	65	40	660	600	350	76
N40/1000	100	340	160	160	275	100	70	265	212	50	15	560	65	40	660	600	350	81
N40/1500	100	405	180	180	310	125	95	320	250	65	15	600	65	40	660	600	350	100
N40/2000	100	405	180	180	310	125	95	320	250	65	15	600	65	40	660	600	350	104

SERIES N

CLOSE COUPLED PUMPS AS PER DIN 24255 STANDARDS

MOD.	POWER		ABSORBED AMP.			Q = DELIVERY												
						M3/H	21	24	30	36	42	48	54	60	66	72	78	
	HP	KW	230V-M	400V-T	690V-T	LT/MIN	350	400	500	600	700	800	900	1000	1100	1200	1300	
N50/400 (125B)	4	3	12	8		H = mt			19	18	16	15	13	11				
N50/550 (125A)	5.5	4	15.4	10					24	23	22	20	19	17				
N50/750 (160B)	7.5	5.5		14	7		31	31	30	29	28	27	25	23	21	19	17	
N50/1000 (160A)	10	7.5		16	9.5		38	37	37	36	35	34	33	31	29	27	24	
N50/1250 (200C)	12.5	9.2		18	10			46	44	43	40	38	36	34	30	24		
N50/1500 (200B)	15	11		22	13				51	50	48	47	45	43	39	36	31	
N50/2000 (200A)	20	15		28	17				59	58	56	55	53	51	49	46	43	39
N50/2500 (250B)	25	18.5		41.5	23					78	77	75	73	70	67	66	62	60
N50/3000 (250A)	30	22		49	28					92	90	88	87	85	83	81	78	75

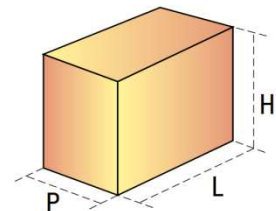
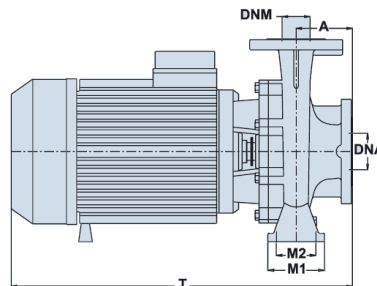
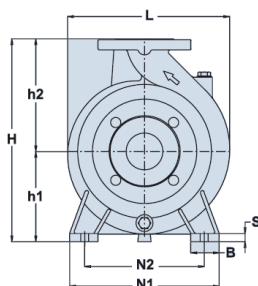
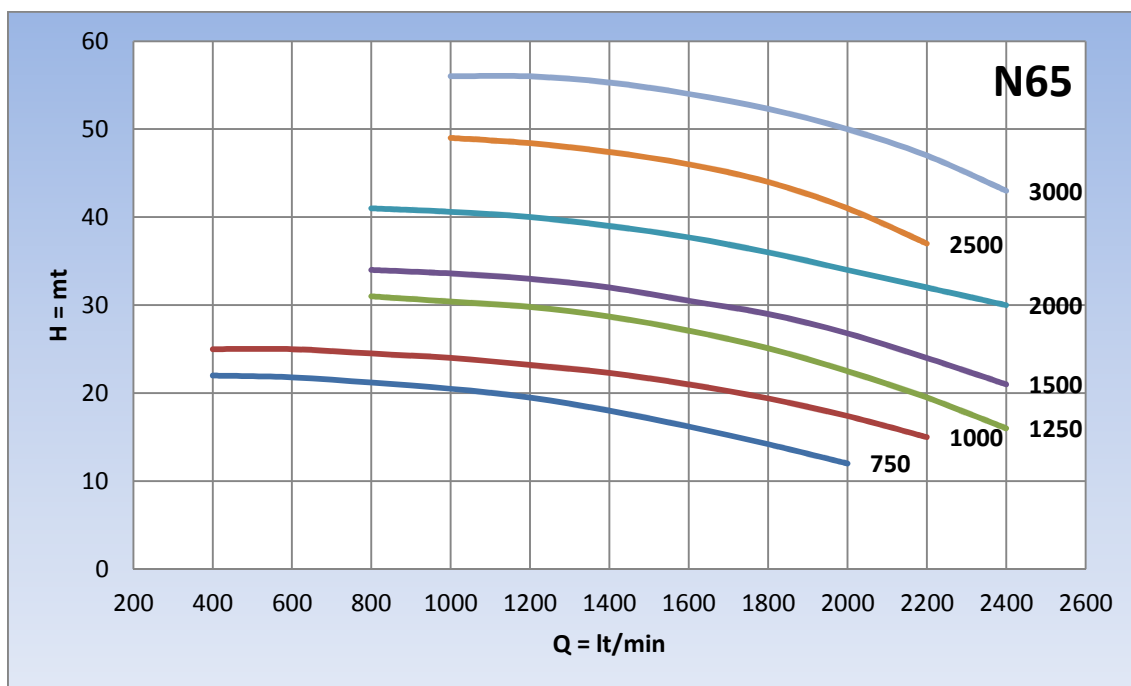


TYPE	A mm	H mm	h1 mm	h2 mm	L mm	M1 mm	M2 mm	N1 mm	N2 mm	B mm	S mm	T mm	DNA	DNM	L mm	H mm	P mm	KG
N50/400	100	292	132	160	228	100	70	240	190	50	14	482	65	50	540	360	290	47
N50/550	100	292	132	160	228	100	70	240	190	50	14	482	65	50	540	360	290	49
N50/750	100	340	160	180	256	100	70	265	212	50	14	560	65	50	660	530	350	74
N50/1000	100	340	160	180	256	100	70	265	212	50	14	560	65	50	660	530	350	79
N50/1250	100	360	160	200	287	100	70	265	212	50	15	565	65	50	660	530	350	89
N50/1500	100	360	160	200	287	100	70	265	212	50	15	605	65	50	660	530	350	91
N50/2000	100	360	160	200	287	100	70	265	212	50	15	605	65	50	660	530	350	101
N50/2500	100	405	180	225	332	125	95	320	250	65	15	724.5	65	50	810	530	360	144
N50/3000	100	405	180	225	332	125	95	320	250	65	15	724.5	65	50	810	530	360	154

SERIES N

CLOSE COUPLED PUMPS AS PER DIN 24255 STANDARDS

MOD.	POWER		ABSORBED AMP.		Q = DELIVERY											
	HP	KW	400V-T	690V-T	M3H	30	36	48	60	72	84	96	108	120	132	144
					LT/MIN	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400
N65/750 (125B)	7.5	5.5	11	97	H = mt	22	21	20	20	19	18	16	14	12		
N65/1000 (125A)	10	7.5	16	9.5		25	25	24	24	24	22	21	20	17	15	
N65/1250 (160C)	12.5	9.2	19.5	10				31	30	29	29	28	24	22	19	16
N65/1500 (160B)	15	11	23	13				34	34	33	32	30	29	27	24	21
N65/2000 (160A)	20	15	27	17				41	40	40	39	38	36	34	32	30
N652500 (200B)	25	18.5	39	24					49	48	46	46	43	42	37	
N65/3000 (200A)	30	22	45	25					56	56	55	54	52	50	47	43

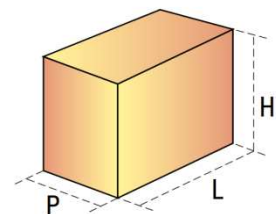
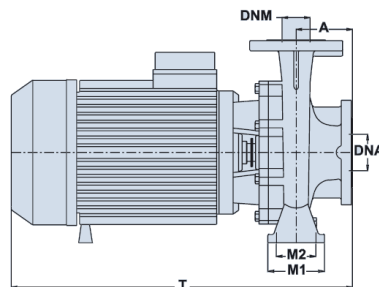
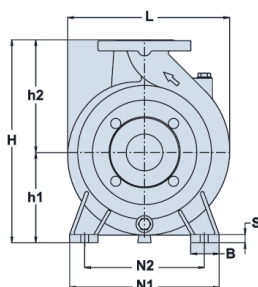
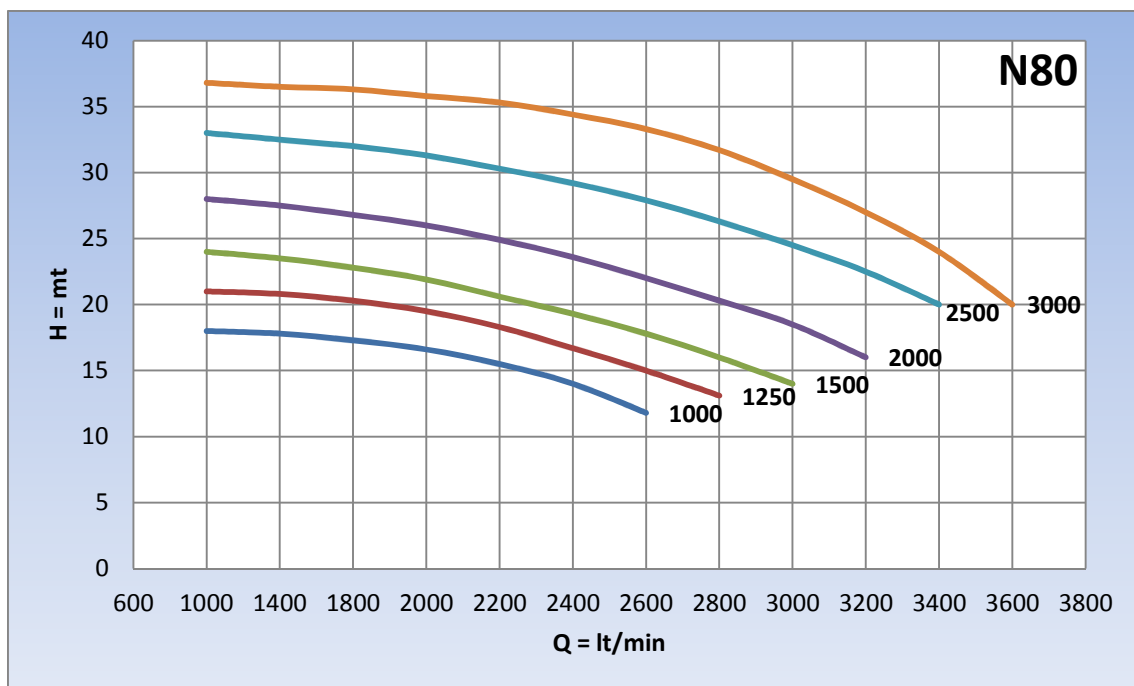


TYPE	A mm	H mm	h1 mm	h2 mm	L mm	M1 mm	M2 mm	N1 mm	N2 mm	B mm	S mm	T mm	DNA	DNM	L mm	H mm	P mm	KG
N65/750	100	340	160	180	152	125	95	280	212	65	15	565	80	65	660	530	350	76
N65/1000	100	340	160	180	152	125	95	280	212	65	15	565	80	65	660	530	350	81
N65/1250	100	360	160	200	169	125	95	280	212	65	15	565	80	65	660	530	350	88
N65/1500	100	360	160	200	169	125	95	280	212	65	15	605	80	65	660	530	350	99
N65/2000	100	360	160	200	169	125	95	280	212	65	15	605	80	65	660	530	350	103
N652500	100	405	180	225	330	125	95	320	250	65	15	725	80	65	810	530	360	144
N65/3000	125	405	180	225	330	125	95	320	250	65	15	725	80	65	810	530	360	154

SERIES N

CLOSE COUPLED PUMPS AS PER DIN 24255 STANDARDS

MOD.	POWER		ABSORBED AMP.		Q = DELIVERY										
	HP	KW	400V-T	690V-T	M3/H										
					LT/MIN	1100	1400	1800	2200	2600	2800	3000	3200	3400	3600
N80/1000 (160F)	10	7.5	16	9.5	$H = \frac{m}{t}$	21	19	18	15	12					
N80/1250 (160E)	12.5	9.2	19	10		24	22	21	18	14	13				
N80/1500 (160D)	15	11	21	13		26	25	23	20	18	16	14			
N80/2000 (160C)	20	15	26	17		30	29	27	25	22	20	19	16		
N80/2500 (160B)	25	18.5	35	21		34	33	32	30	28	26	25	23	20	
N80/3000 (160A)	30	22	41	23		39	37	36	35	33	32	30	28	26	20



TYPE	A mm	H mm	h1 mm	h2 mm	L mm	M1 mm	M2 mm	N1 mm	N2 mm	B mm	S mm	T mm	DNA	DNM	L mm	H mm	P mm	KG
N80/1000	125	405	180	225	328	125	95	320	250	65	15	595	100	80	660	530	350	88
N80/1250	125	405	180	225	328	125	95	320	250	65	15	595	100	80	660	530	350	99
N80/1500	125	405	180	225	328	125	95	320	250	65	15	635	100	80	660	530	350	103
N80/2000	125	405	180	225	328	125	95	320	250	65	15	635	100	80	660	530	350	123
N80/2500	125	405	180	225	330	125	95	320	250	65	15	755	100	80	810	530	360	149
N80/3000	125	405	180	225	330	125	95	320	250	65	15	755	100	80	810	530	360	159

SERIES CX

STAINLESS STEEL SINGLE-IMPELLER SURFACE PUMPS



Single impeller pumps fully made of stainless steel suitable for domestic, agricultural and industrial applications. All parts which are in contact with the pumped liquid are in Aisi 304 stainless steel in order to grant a maximum hygiene and resistance against corrosion.

LIMITS OF USE:

Max Temperature of liquid: 90°C (60°C for CX/50, CX/80 and CX/100)
110 °C in H-HS versions

Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers: stainless steel Aisi304 (or Aisi 316L)

Motor shaft: stainless steel Aisi 303;

Motor casing and casing: alluminium

Mechanical seal: Cer/Car/NBR (standard)

Car/Car/FPM (H version)

Sic/Sic/FPM (HS version)

Tungsten Carb/Tungsten Carb/FPM (HW version)

ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP55.

- Standard voltages: M = 230/240-50; T = 230/400-50

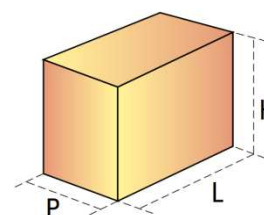
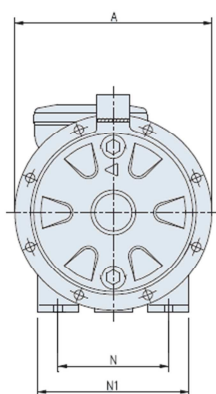
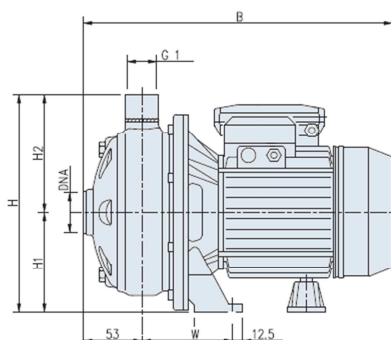
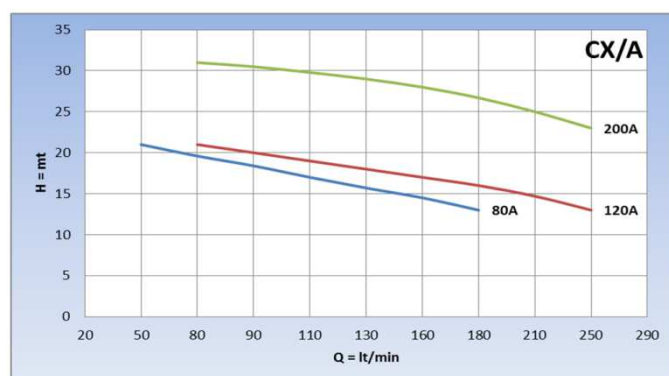
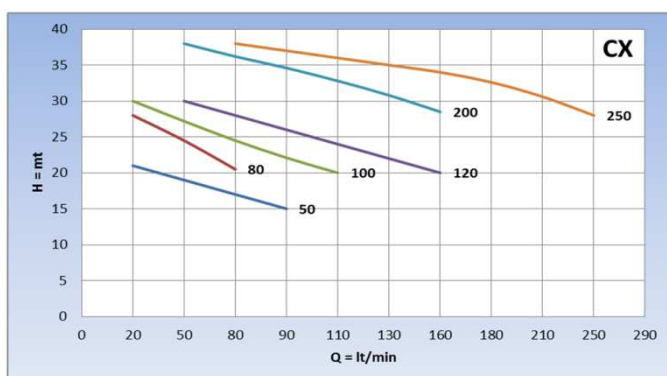
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.

- Different voltages and frequency available on request

SERIES CX

STAINLESS STEEL SINGLE-IMPELLER SURFACE PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY										
							M3/H	1.2	3	4.8	5.4	6.6	7.8	9.6	10.8	12.6	15
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	20	50	80	90	110	130	160	180	210	250
CX/50	0.5	0.37	12.5	3.4	2.4	1.4	H = MT	21	18	16	15						
CX/80	0.8	0.55	16	4.5	3.5	2.0		28	25	21							
CX/100	1	0.75	20	5.6	3.3	1.9		30	27	24	22	20					
CX/80A	0.8	0.55	16	4.6	3.2	1.9			21	19	18	17	16	14	13		
CX/120	1.2	0.9	31.5	6.9	4.5	2.6			30	27	26	24	22	20			
CX/200	2	1.5	40	9.3	7.0	4.0			38	35	34	33	31	28			
CX/120A	1.2	0.9	31.5	6.3	4.3	2.5				21	20	19	18	17	16	15	13
CX/200A	2	1.5	40	10.2	7.4	4.3				31	31	30	29	28	27	25	23
CX/250	2.5	1.8	-		8.7	5.0				38	37	36	35	34	33	31	28



TYPE	A mm	B mm	H mm	H1 mm	H2 mm	N mm	N1 mm	W mm	DNA	DNM	L mm		H mm		P mm		KG
											M	T	M	T	M	T	
CX/50	208	321	229.5	106	123.5	120	160	93	1" 1/4	1"	335	336	280	280	227	227	9
CX/80	208	321	229.5	106	123.5	120	160	93	1" 1/4	1"	335	336	280	280	227	227	10.5
CX/100	208	321	229.5	106	123.5	120	160	93	1" 1/4	1"	335	336	280	280	227	227	12
CX/80A	208	321	229.5	106	123.5	120	160	93	1" 1/4	1"	335	336	280	280	227	227	10.5
CX/120	208	321	229.5	106	123.5	120	160	93	1" 1/4	1"	335	372	280	289	227	239	12.5
CX/200	232	347	250	118	132	140	180	95	1" 1/4	1"	360	372	315	289	245	239	17.5
CX/120A	208	321	229.5	106	123.5	120	160	93	1.5"	1"	332	372	280	289	218	239	16.5
CX/200A	208	347	229.5	106	123.5	140	180	95	1.5"	1"	375	372	315	289	250	239	15.5
CX/250	232	347	250	118	132	140	180	95	1.5"	1"	-	380	-	305	-	245	17

SERIES CBX

STAINLESS STEEL CENTRIFUGAL PUMPS WITH TWO IMPELLERS



Double impeller pumps fully made of stainless steel suitable for domestic, agricultural and industrial applications. All parts which are in contact with the pumped liquid are in Aisi 304 stainless steel in order to grant a maximum hygiene and resistance against corrosion.

LIMITS OF USE:

Max Temperature of liquid: 90°C (60°C for CX/50, CX/80 and CX/100)
110 °C in H-HS versions

Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers: stainless steel Aisi304

Motor shaft: stainless steel Aisi 303;

Motor casing and casing: aluminium

Mechanical seal: Cer/Car/NBR (standard)

Car/Car/FPM (H version)

Sic/Sic/FPM (HS version)

Tungsten Carb/Tungsten Carb/FPM (HW version)

ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP55.

- Standard voltages: M = 230/240-50; T = 230/400-50.

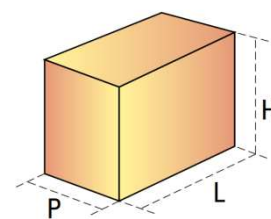
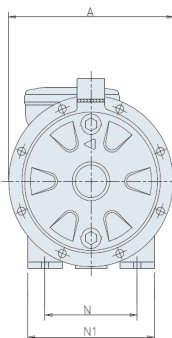
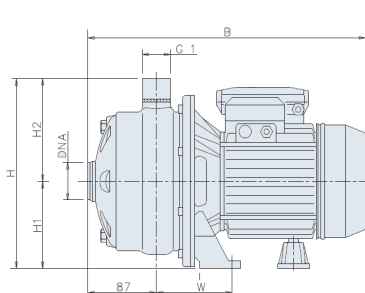
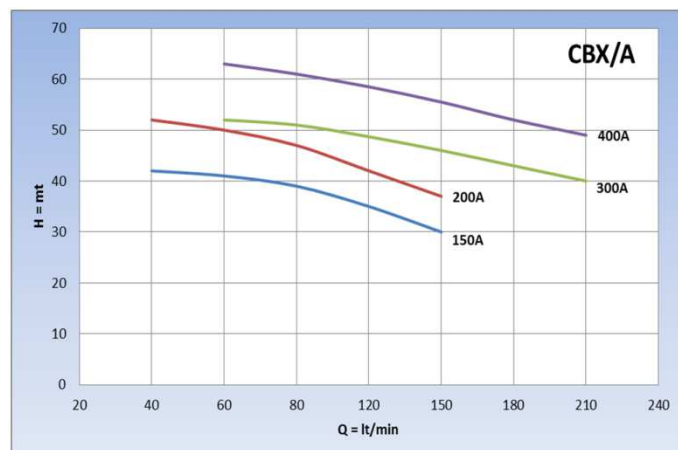
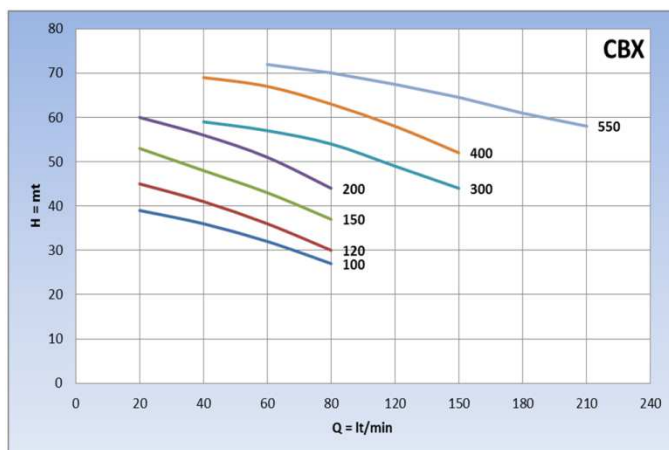
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.

- Different voltages and frequency available on request

SERIES CBX

STAINLESS STEEL CENTRIFUGAL PUMPS WITH TWO IMPELLERS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q=DELIVERY									
	HP	KW		MF/450V	230V-M	230V-T	400V-T	M3H	12	24	36	48	72	9	108	126
								LT/MIN	20	40	60	80	120	150	180	210
CBX/100	1	0.75	20	6.0	3.6	2.0	H=MT	39	35	32	27					
CBX/120	1.2	0.9	31.5	7.0	4.3	2.5		45	40	36	30					
CBX/150	1.5	1.1	35	8.1	5.6	3.2		53	48	43	37					
CBX/200	2	1.5	400	10.0	7.4	4.3		60	56	51	44					
CBX/150A	1.5	1.1	35	8.3	5.6	3.2			42	41	40	35	30			
CBX/200A	2	1.5	40	10.2	7.3	4.2			52	50	48	42	37			
CBX/300	3	2.2	-	-	8.8	5.1			59	57	55	49	44			
CBX/400	4	3	-	-	10.6	6.1			69	67	64	58	52			
CBX/300A	3	2.2	-	-	10.6	6.1					52	51	48	46	43	40
CBX/400A	4	3	-	-	11.6	6.7					63	61	58	55	52	49
CBX/550	5.5	4	-	-	15.1	8.7					72	70	67	64	61	58



TYPE	A mm	B mm	H mm	H1 mm	H2 mm	N mm	N1 mm	W mm	DNA	DNM	L mm		H mm		P mm		KG
											M	T	M	T	M	T	
CBX/100	208	355	229	106	123	120	160	93	1" 1/4	1"	373	387	278	278	225	225	13.5
CBX/120	208	355	229	106	123	120	160	93	1" 1/4	1"	387	427	278	308	225	244	14.2
CBX/150	232	383	250	118	132	140	180	95	1" 1/4	1"	427	427	308	308	244	244	17.4
CBX/200	232	383	250	118	132	140	180	95	1" 1/4	1"	427	427	308	308	244	244	18.6
CBX/150A	208	383	229	106	123	140	180	95	1" 1/4	1"	427	427	308	308	244	244	15.5
CBX/200A	208	383	229	106	123	140	180	95	1" 1/4	1"	427	427	308	308	244	244	18
CBX/300	232	397	250	118	132	140	180	109	1" 1/4	1"	-	427	-	308	-	244	23.2
CBX/400	232	422	250	118	132	140	180	109	1" 1/4	1"	-	507	-	313	-	244	26.4
CBX/300A	208	419	229	106	123	140	180	109	1.5"	1"	-	507	-	313	-	244	25
CBX/400A	232	422	250	118	132	140	180	109	1.5"	1"	-	507	-	313	-	244	25
CBX/550	232	435	250	118	132	160	210	109	1.5"	1"	-	507	-	313	-	244	32.7

SERIES EHX

HORIZONTAL MULTISTAGE STAINLESS STEEL PUMPS



Horizontal multistage pumps fully made of stainless steel suitable for domestic, agricultural and industrial applications. All parts which are in contact with the pumped liquid are in Aisi 304 stainless steel in order to grant a maximum hygiene and resistance against corrosion.

LIMITS OF USE:

Max Temperature of liquid: 110°C

Max working pressure: 10 bar

Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers, shaft: stainless steel Aisi304

Mechanical seal: Car/Cer/EPDM

Motor casing: alluminium

ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP55.

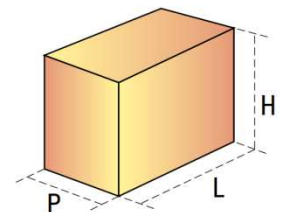
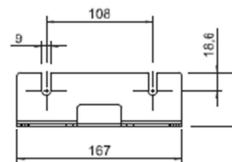
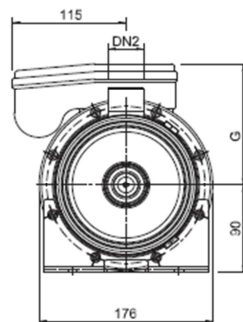
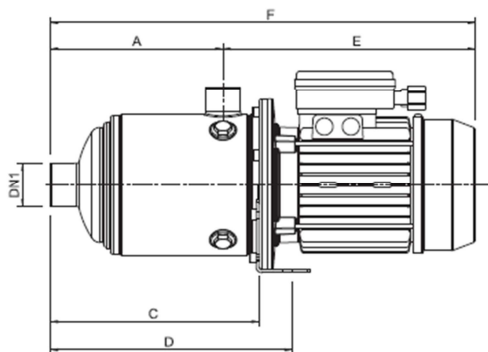
- Standard voltages: M = 230/240-50; T = 230/400-50.

- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.

SERIES EHX

HORIZONTAL MULTISTAGE STAINLESS STEEL PUMPS

MOD	STAGES	POWER		CAP.	ABSORBED AMPERE			Q = DELIVERY										
		HP	KW	MF/450V	230V-M	230V-T	400V-T	M3/H	1.2	2.4	3.6	4.8	6.0	7.2	9.6	12	14.4	
								L/MIN	20	40	60	80	100	120	160	200	240	
EHX3/2	02	0.45	0.33	16	2.5	2.4	1.4	H = mt	23	19	14	8						
EHX3/3	03	0.6	0.45	16	3.0	2.6	1.5		32	27	20	12						
EHX3/4	04	0.75	0.55	16	3.7	2.9	1.7		41	35	26	15						
EHX3/5	05	1	0.75	16	4.3	3.1	1.8		51	43	31	17						
EHX3/6	06	1.2	0.9	30	5.4	4.3	2.5		63	54	40	23						
EHX3/7	07	1.5	1.1	30	6.0	4.7	2.7		72	62	46	26						
EHX3/8	08	1.8	1.3	30	6.9	5.5	3.2		84	73	54	32						
EHX3/9	09	2	1.5	30	7.5	5.9	3.4		94	81	60	34						
EHX5/2	02	0.6	0.45	16	3.0	2.6	1.5			21	19	17	15	11				
EHX5/3	03	0.75	0.55	16	3.9	2.9	1.7			31	28	25	21	15				
EHX5/4	04	1.2	0.9	30	5.3	5.3	2.5			42	39	35	29	21				
EHX5/5	05	1.5	1.1	30	6.2	4.7	2.7			52	48	42	35	25				
EHX5/6	06	1.8	1.3	30	7.3	5.7	3.3			63	59	52	44	31				
EHX5/7	07	2	2.5	30	8.2	6.2	3.6			73	67	59	49	35				
EHX5/8	08	2.5	1.85	30	8.9	6.6	3.8			82	86	66	54	39				
EHX5/9	09	2.5	1.85	-	-	7.1	4.1			94	86	76	64	46				
EHX9/2	02	1	0.75	16	4.3	3.1	1.8				21	21	20	19	18	12	7	
EHX9/3	03	1.5	1.1	30	6.4	4.7	2.7				32	31	30	29	25	18	9	
EHX9/4	04	2	1.5	30	8.2	6.1	3.5				44	42	40	39	34	25	13	
EHX9/5	05	2.5	1.85	-	-	6.9	4				55	53	51	48	43	31	15	
EHX9/6	06	3	2.2	-	-	7.8	4.5				65	62	59	56	50	36	17	

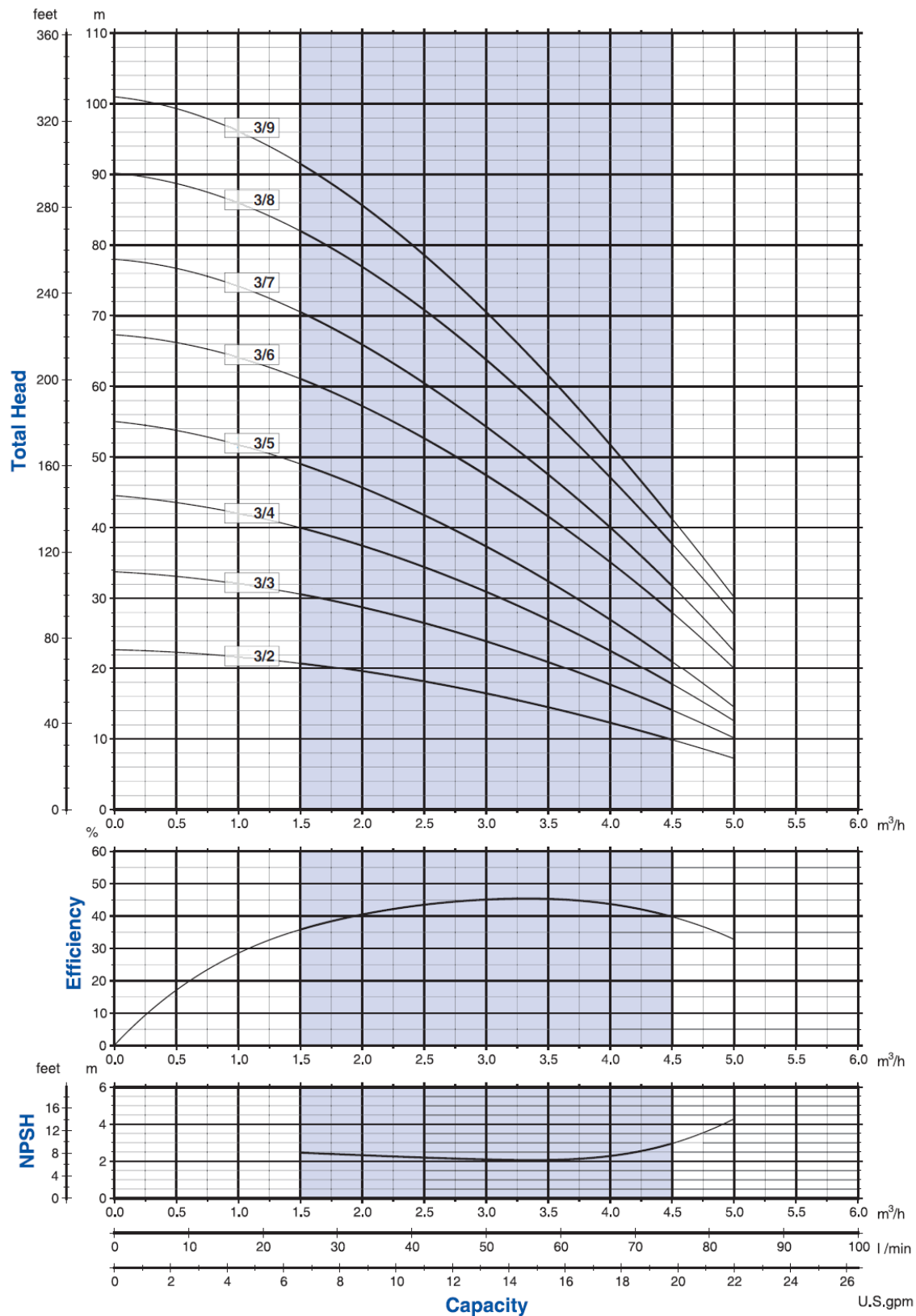


TYPE	A mm	E mm	C mm	D mm	F mm	G mm		DN1	DN2	L mm	P mm	H mm	KG
						M	T						
EHX3/2	103	256	139.6	173	359	134	118	1,25"	1"	500	200	260	10.5
EHX3/3	103	256	139.6	173	359	134	118			500	200	260	10.6
EHX3/4	127	256	163.6	197	383	134	118			500	200	260	11.1
EHX3/5	151	256	187.6	221	407	134	118			500	200	260	11.6
EHX3/6	175	256	211.6	245	431	134	118			500	200	260	14.0
EHX3/7	199	256	235.6	269	455	134	118			610	220	260	14.6
EHX3/8	223	300	259.6	293	523	125	125			610	220	260	18.1
EHX3/9	247	300	283.6	317	547	125	125			610	220	260	18.7
EHX5/2	103	256	139.6	173	359	134	118	1,25"	1"	500	200	260	10.5
EHX5/3	103	256	139.6	173	359	134	118			500	200	260	10.6
EHX5/4	127	256	163.6	197	383	134	118			500	200	260	13.0
EHX5/5	151	256	187.6	221	407	134	118			500	200	260	13.5
EHX5/6	175	300	211.6	245	475	125	125			610	220	260	17.1
EHX5/7	199	300	235.6	269	499	125	125			610	220	260	17.7
EHX5/8	223	300	259.6	293	523	125	125			610	220	260	18.2
EHX5/9	247	300	283.6	317	547	125	125			610	220	260	18.7
EHX9/2	118	260	158.6	192	378	134	118	1,5"	1,25"	500	200	260	10.8
EHX9/3	118	260	158.6	192	378	134	118			500	200	260	12.8
EHX9/4	148	304	188.6	222	452	125	125			610	220	260	16.5
EHX9/5	178	304	218.6	252	482	125	125			610	220	260	17.2
EHX9/6	208	304	248.6	282	512	125	125			610	220	260	17.8

SERIES EHX

HORIZONTAL MULTISTAGE STAINLESS STEEL PUMPS

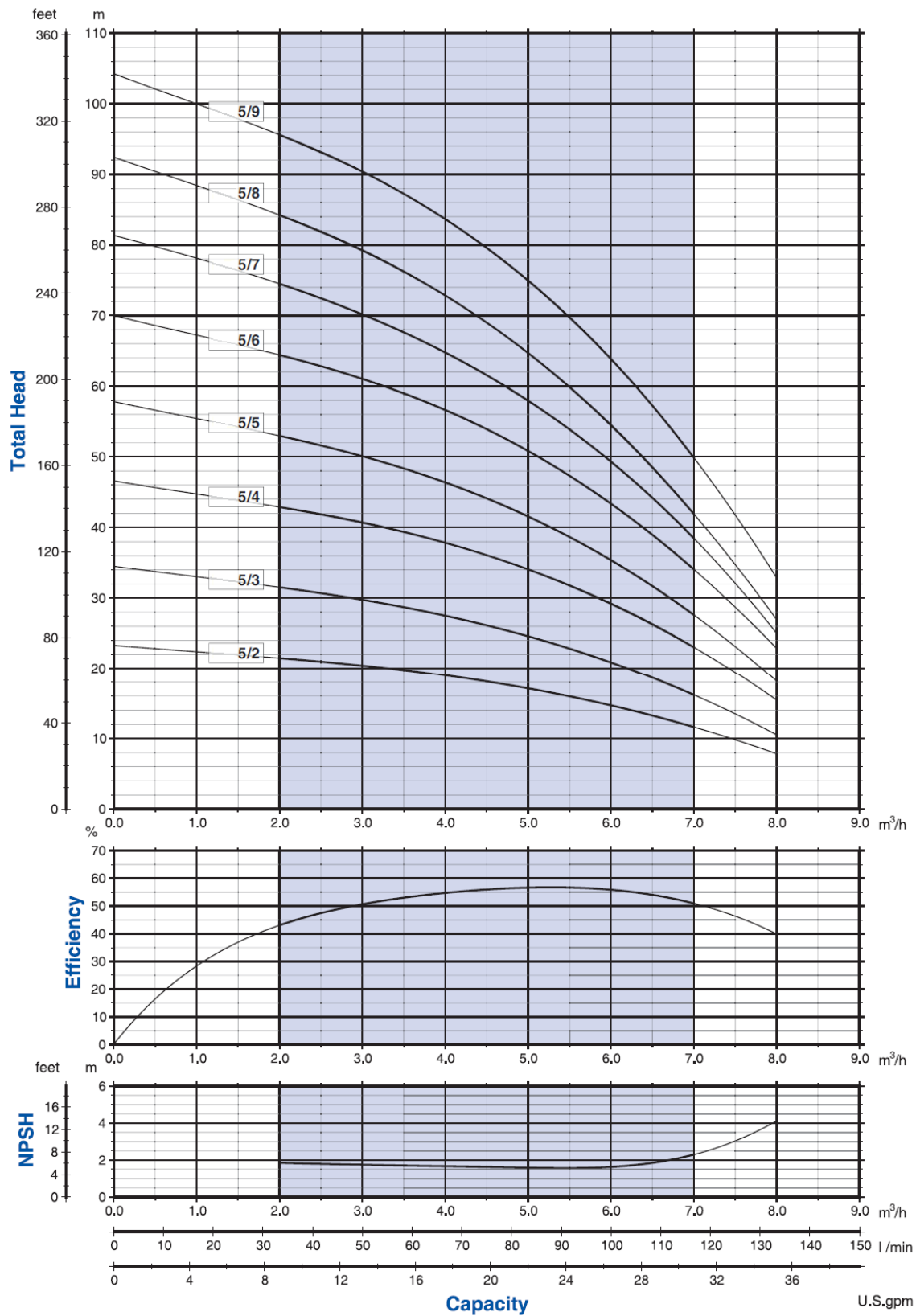
EHX3 PERFORMANCE CURVES AT 2900 RPM



SERIES EHX

HORIZONTAL MULTISTAGE STAINLESS STEEL PUMPS

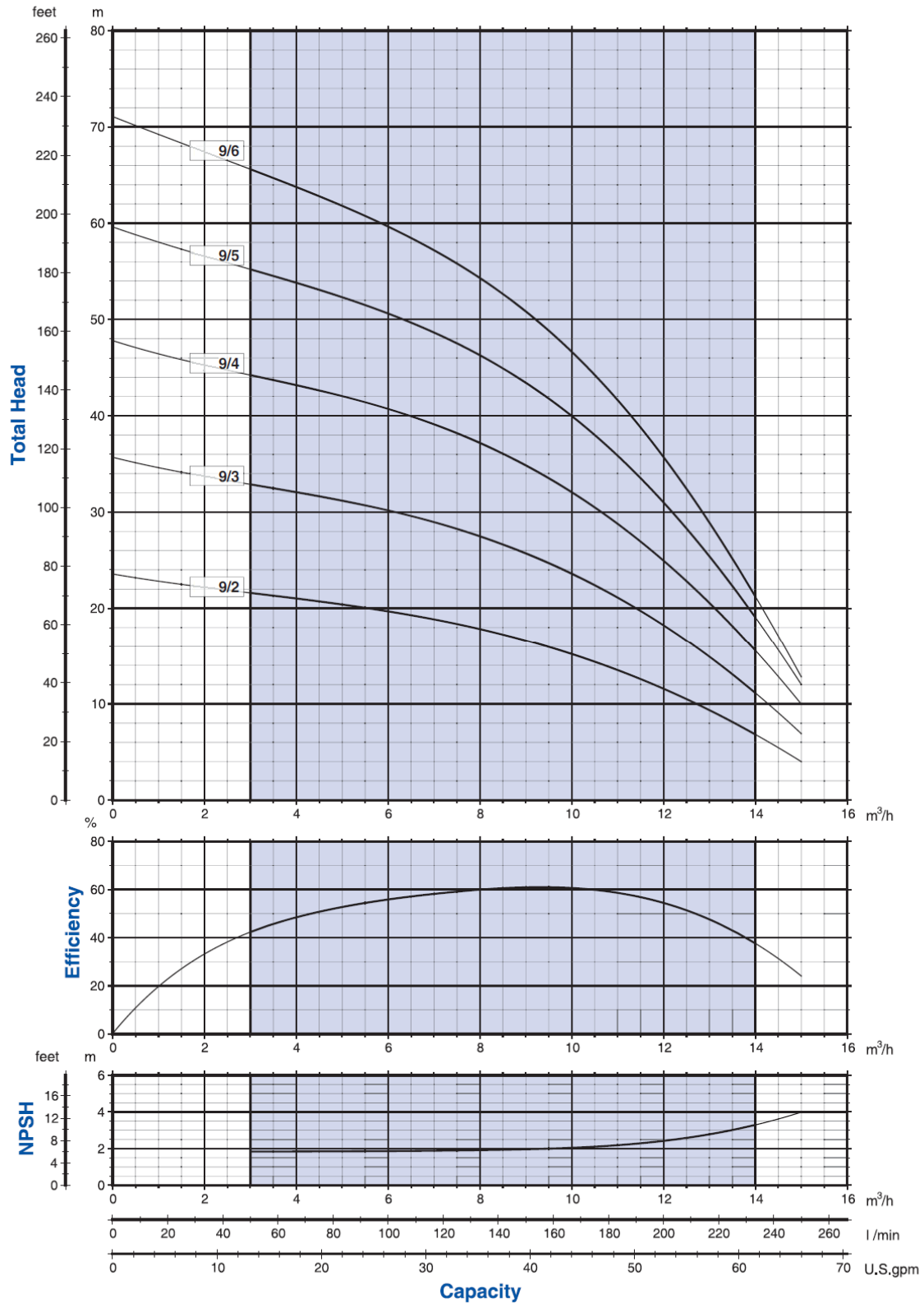
EHX5 PERFORMANCE CURVES AT 2900 RPM



SERIES EHX

HORIZONTAL MULTISTAGE STAINLESS STEEL PUMPS

EHX9 PERFORMANCE CURVES AT 2900 RPM



SERIES JX

STAINLESS STEEL SELF-PRIMING PUMPS



Self priming pumps fully made of stainless steel suitable for domestic, agricultural and industrial applications. For their low height and easiness to move it's particularly recommended in domestic and agricultural applications.

LIMITS OF USE:

Max Temperature of liquid: 45°C

Max suction depth: 8 mt

Max working pressure: 6 bar

CONSTRUCTION MATERIALS:

Pump body, stainless steel Aisi304

Impellers and diffusers: stainless steel Aisi 304 (polyphenylene reinforced with fiber glass for RC versions)

Motor shaft: stainless steel Aisi 303;

Motor casing and casing: aluminium

Mechanical seal: Cer/Car/NBR

ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP44.

- Standard voltages: M = 230/240-50; T = 230/400-50.

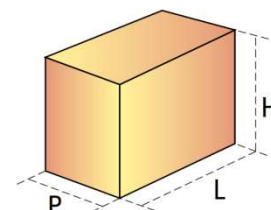
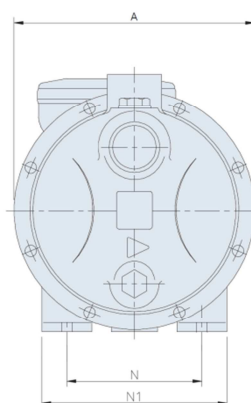
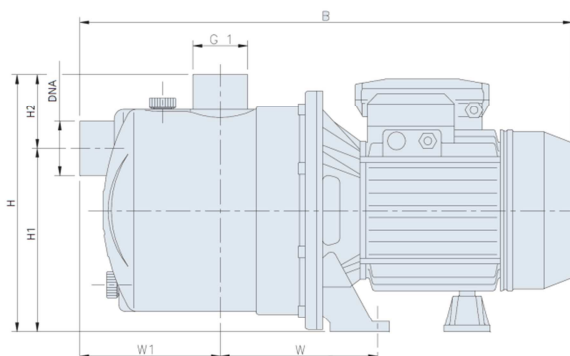
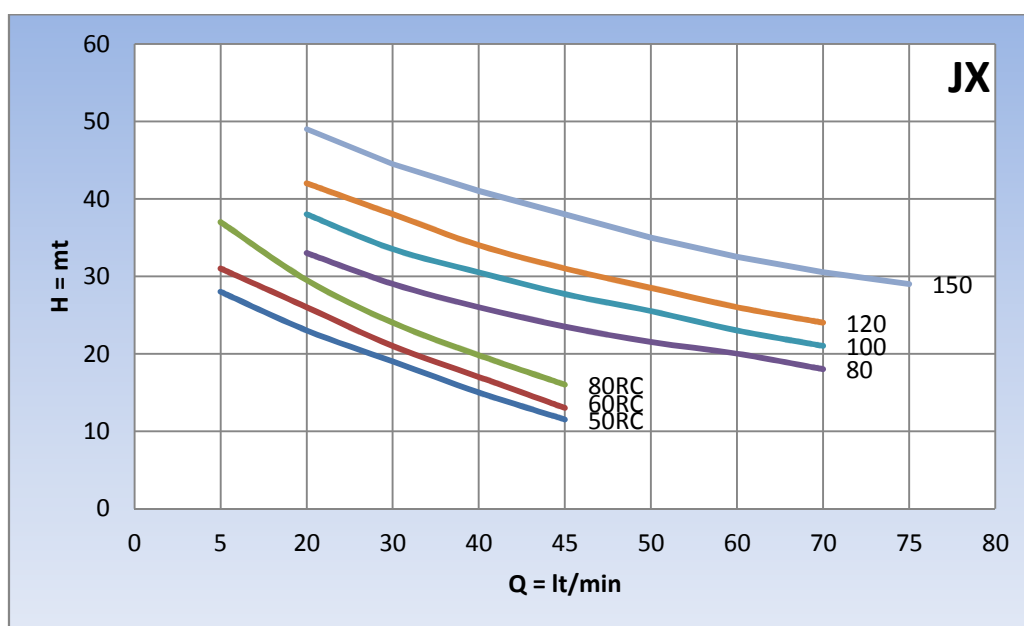
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.

- Different voltages and frequency available on request

SERIES JX

STAINLESS STEEL SELF-PRIMING PUMPS

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q = DELIVERY									
							M3/H	0.3	1.2	1.8	2.4	2.7				
	HP	KW	MF/450V	230V-M	230V-T	400V-T	LT/MIN	5	20	30	40	45	50	60	70	75
JX/50RC	0.5	0.37	10	2.1	1.5	0.85	H = MT	28	23	20	15	11				
JX/60RC	0.6	0.45	10	2.4	1.9	1.1		31	26	22	17	13				
JX/80RC	0.8	0.55	12.5	3	2.25	1.3		37	29	25	20	16				
JX/80	0.8	0.55	16	4.7	3.3	1.9			33	29	26	24	23	20	18	
JX/100	1	0.75	20	6.4	3.5	2.0			37	33	30	28	27	24	21	
JX/120	1.2	0.9	20	6.7	3.6	2.1			41	37	34	32	30	27	24	
JX/150	1.5	1.1	31.5	7.6	5.5	3.2			49	44	40	39	37	34	31	29



TYPE	A mm	B mm	H mm	H1 mm	H2 mm	N mm	N1 mm	W1 mm	W mm	DNA	DNM	L mm	H mm	P mm	KG
JX/50RC	170	355	175	128	47	100	130	90	107	1"	1"	372	220	182	5.1
JX/60RC	170	355	175	128	47	100	130	90	107	1"	1"	372	220	182	5.5
JX/80RC	170	355	175	128	47	100	130	90	107	1"	1"	372	220	182	6.1
JX/80	208	417	210	156	54	120	160	100,5	143	1" 1/4	1"	462	265	222	10.3
JX/100	208	417	210	156	54	120	160	100,5	143	1" 1/4	1"	462	265	222	10.8
JX/120	208	417	210	156	54	120	160	100,5	143	1" 1/4	1"	462	265	222	11.5
JX/150	208	445	210	156	54	140	180	100,5	145,5	1" 1/4	1"	462	265	222	14.1

SERIES CRX

STAINLESS STEEL CENTRIFUGAL PUMPS WITH OPENED IMPELLER



Opened impeller pumps fully made of stainless steel suitable for domestic, agricultural and industrial applications. All parts which are in contact with the pumped liquid are in Aisi 304 stainless steel in order to grant a maximum hygiene and resistance against corrosion. The open impeller allow pumping of clean or relatively dirty water which have solid parts with diameter maximum of 8 mm.

LIMITS OF USE:

Max Temperature of liquid: 90° C (110 °C in H-HS versions)

Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers: stainless steel Aisi304

Motor shaft: stainless steel Aisi 303;

Motor casing and casing: alluminium

Mechanical seal: Cer/Car/NBR (standard)

Car/Car/FPM (H version)

Sic/Sic/FPM (HS version)

Tungsten Carb/Tungsten Carb/FPM (HW version)

ELECTRIC MOTOR:

- 2 poles, close type with external cooling fan, insulation class F, grade of protection IP55.

- Standard voltages: M = 230/240-50; T = 230/400-50.

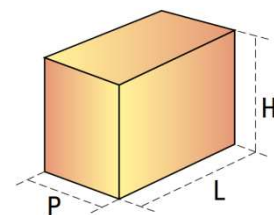
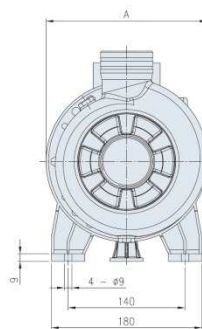
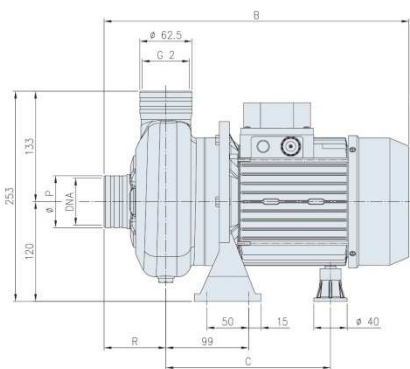
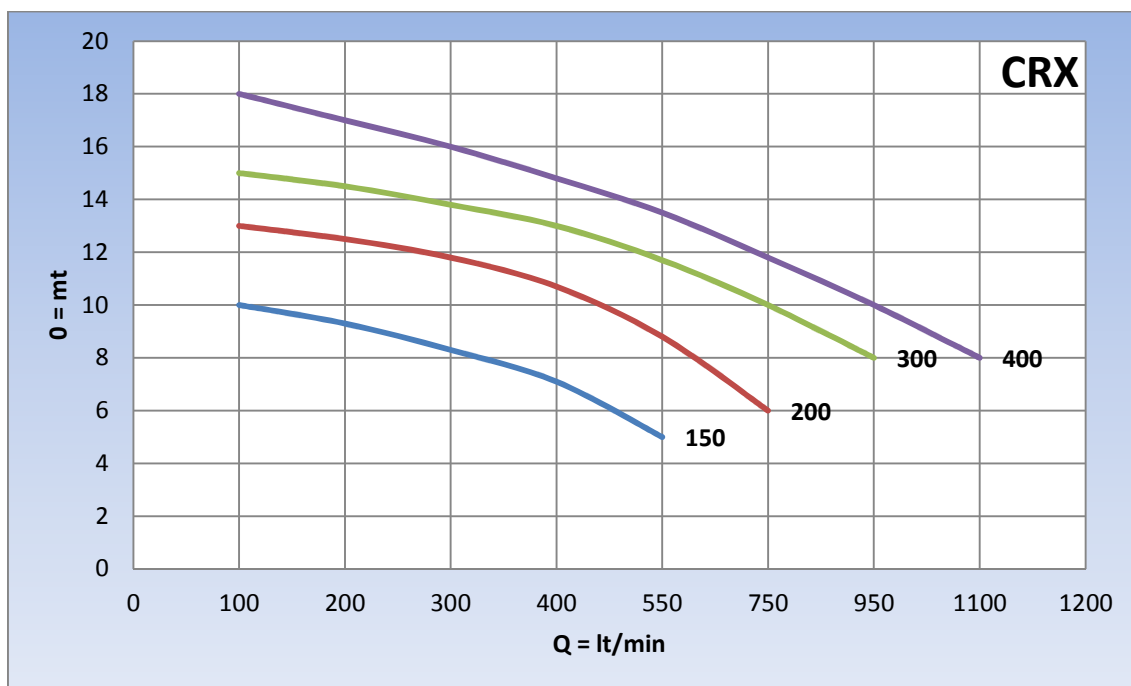
- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of three-phase motors have to be arranged by the user.

- Different voltages and frequency available on request

SERIES CRX

STAINLESS STEEL CENTRIFUGAL PUMPS WITH OPENED IMPELLER

MOD.	POWER		CAPACITOR	ABSORBED AMP.			Q=DELIVERY								
	HP	KW		230V-M	230V-T	400V-T	M3H	6	12	18	24	33	42	57	66
			MF/450V				LT/MIN	100	200	300	400	550	750	950	1100
CRX/150	1,5	1,1	31,5	6,8	5,6	3,2	1/1	10	9	8	7	5			
CRX/200	2	1,5	40	9,0	6,3	3,7		13	12	12	11	9	6		
CRX/300	3	2,2			7,8	4,5		15	15	14	13	12	10	8	
CRX/400	4	3			10,6	6,1		18	17	16	15	14	12	10	8



TYPE	Ø A mm	B mm	C mm	R mm	Ø P mm	DNA	DNM	P mm	L mm	H mm	KG
CRX/150 M	193 (208)*	365	197	74	62,5	2"	2"	280	432	205	15.3
CRX/200 M	193 (208)*	365	197	74	62,5	2"	2"	280	432	205	16.5
CRX/150 T	193	365	197	74	62,5	2"	2"	280	432	205	15.3
CRX/200 T	193	378	197	74	62,5	2"	2"	280	477	205	17
CRX/300 T	193	416	230/241	78	80	2"	2"	280	477	205	20.3
CRX/400 T	193	455	230/241	78	80	2"	2"	280	477	205	23.2

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS



This close-coupled pumps with all parts in contact with liquid made of stainless steel and projected following DIN 24255 (UNI EN 733) regulation standards, are used to pump chemically clean water without solid parts in heating or cooling systems, irrigation systems, fire – fighting units. The big range of choice and their high affidability make this pumps suitable for agricultural, civil and industrial applications.

This pupmps ara available also in 3SF and 3PF versions (bare shaft pumps/pumpends with or without motor).

LIMITS OF USE:

Max Temperature of liquid: 90°C
110 °C in H-HS versions

Max suction depth: 7 mt

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers: stainless steel Aisi304 (or Aisi 316L)

Motor shaft: stainless steel Aisi 303;

Motor casing and casing: alluminium

Mechanical seal: Cer/Car/NBR (standard) and Sic/Sic/FPM (standard version for Aisi 316L)

Car/Car/FPM (H version)

Sic/Sic/FPM (HS version)

Tungsten Carb/Tungsten Carb/FPM (HW version)

Other materials of mechanical seals available on request.

ELECTRIC MOTOR:

- 2 or 4 poles, close type with external cooling fan, insulation class F, grade of protection IP55.

- Standard voltages: T = 230/400-50 till 4 Kw (included) and 380-415/660-720V from 5,5 Kw.

- Single phase motors is fitted with thermic microswitches to avoid damages to the motor. The protection of theree-phase motors have to be arranget by the user

- Different voltages and frequency available on request

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

MOD.	POWER		CAPACITOR	ABSORBED AMP.				Q = DELIVERY									
	HP	KW		450V	230V-M	230V-T	400V-T	690V-T	M3/H	6	9	12	15	18	21	24	27
									LT/'	100	150	200	250	300	350	400	450
NX32/150 (125)	1.5	1.1	31.5	6.7	5.6	3.2	-	H = mt	21	20	18	17	14				
NX32/200 (160)	2	1.5	40	9.6	5.6	3.2	-		28	27	25	22	19				
NX32/300 (160)	3	2.2	50	13.3	7.8	4.5	-		36	34	32	29	27				
NX32/400 (200)	4	3	-	-	10.6	6.1	-		42	40	38	34	31				
NX32/550 (200)	5.5	4	-	-	15.1	8.7	-		54	52	50	47	44	38			
NX32/750 (200)	7.5	5.5	-	-	-	10.4	6.0		69	68	65	62	59				
NX32/1000 (200)	10	7.5	-	-	-	13.7	7.9		69	68	65	62	59	54	49	44	

MOD.	POWER		CAPACITOR	ABSORBED AMP.				Q = DELIVERY						
	HP	KW		230V-M	230V-T	400V-T	690V-T	M3/H	12	18	24	30	36	42
								LT/'	200	300	400	500	600	700
NX40/200 (125)	2	1.5	40	9.6	5.6	3.2	-	H = mt	19	18	16	13	10	7
NX40/300 (125)	3	2.2	50	13.3	7.8	4.5	-		26	24	22	20	16	13
NX40/400 (160)	4	3	-	-	10.6	6.1	-		30	28	26	23	20	17
NX40/550 (160)	5.5	4	-	-	15.1	8.7	-		39	37	35	32	29	26
NX40/750 (200)	7.5	5.5	-	-	-	10.4	6.0		46	44	41	38	35	31
NX40/1000 (200)	10	7.5	-	-	-	13.7	7.9		57	56	54	51	47	44
NX40/1500 (200)	15	11	-	-	-	21.9	12.7		71	70	59	66	63	59

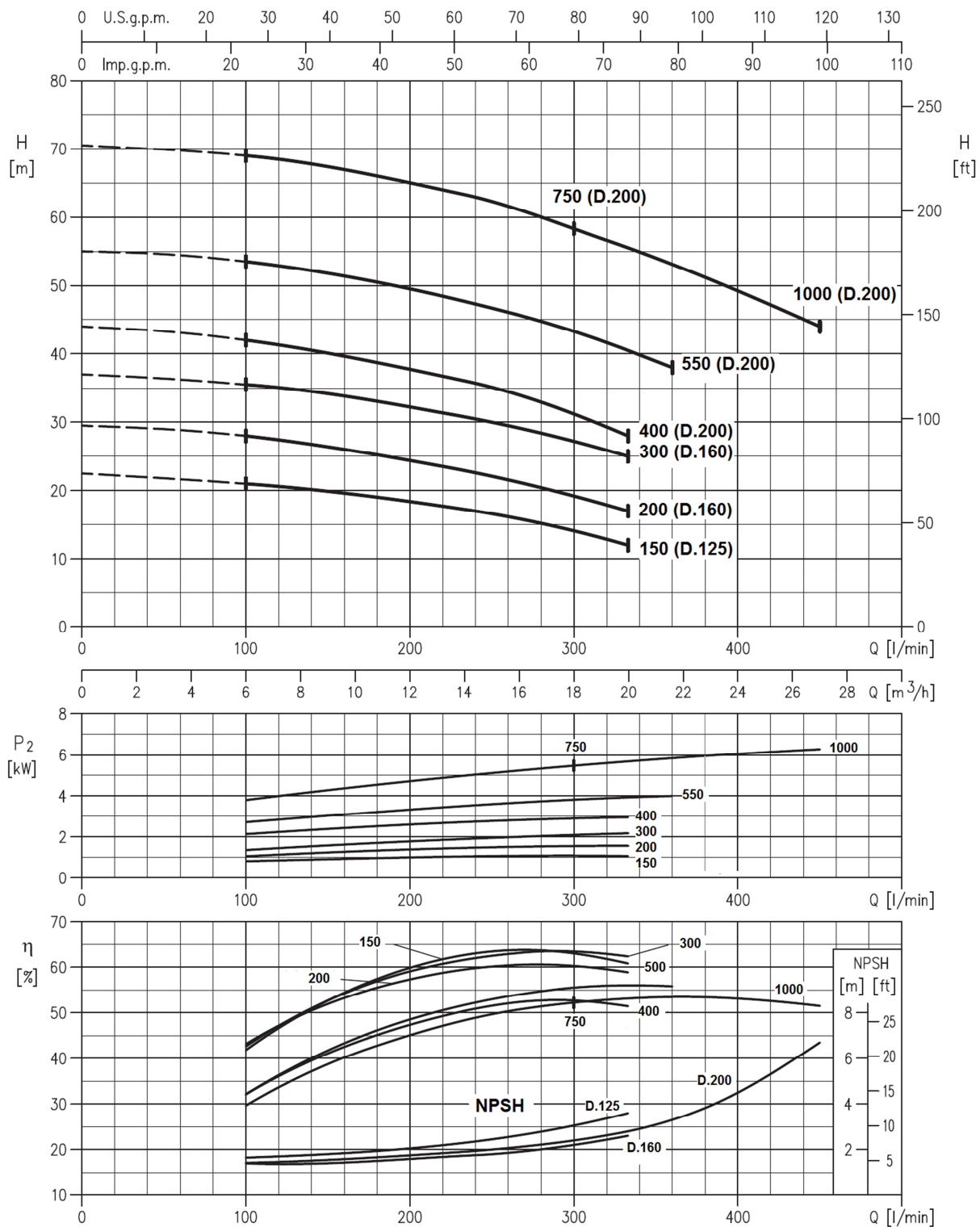
MOD.	POWER		CAPACITOR	ABSORBED AMP.				Q = DELIVERY								
	HP	KW		450V	230V-M	230V-T	400V-T	690V-T	M3/H	24	27	30	36	42	48	72
									LT/'	400	500	600	700	800	1000	1200
NX50/300 (125)	3	2.2	50	13.3	7.8	4.5	-	H = mt	18	16	15	13	12	8		
NX50/400(125)	4	3	-	-	10.6	6.1	-		21	20	18	17	15	12	8	
NX50/550(125) (160)	5.5	4	-	-	15.1	8.7	-		26	25	24	23	22	18	14	
NX50/750 (160)	7.5	5.5	-	-	-	10.4	6.0		31	30	29	27	26	22	18	
NX50/1000 (160)	10	7.5	-	-	-	13.7	7.9		39	38	36	35	34	30	26	
NX50/1250 (200)	12.5	9.3	-	-	-	16.8	9.7			50	49	48	46	41	34	
NX50/1500 (200)	15	11	-	-	-	21.0	12.7			56	55	54	52	48	42	
NX50/2000 (200)	20	15	-	-	-	30	17.3			70	69	68	66	62	57	

MOD.	POWER		ABSORBED AMP.			Q = DELIVERY										
	HP	KW	230V-T	400V-T	690V-T	M3/H	42	54	66	78	90	102	114	126	138	150
						LT/'	700	900	1100	1300	1500	1700	1900	2100	2300	2500
NX65/550 (125)	5.5	4	15.1	8.7	-	H = mt	19	17	15	13	11	9	6			
NX65/750 (125)	7.5	5.5	-	10.4	6.0		24	22	20	18	16	13	11	8		
NX65/1000 (160)	10	7.5	-	13.7	7.9		30	29	27	25	23	20	17	14		
NX65/1250 (160)	12.5	9.3	-	16.8	9.7		35	33	31	29	27	24	21	18	17	
NX65/1500 (160)	15	11	-	21.9	12.7		39	37	35	33	31	28	26	23	22	20
NX65/2000 (160)	20	15	-	30	17.3		46	44	42	40	38	35	33	30	28	27

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

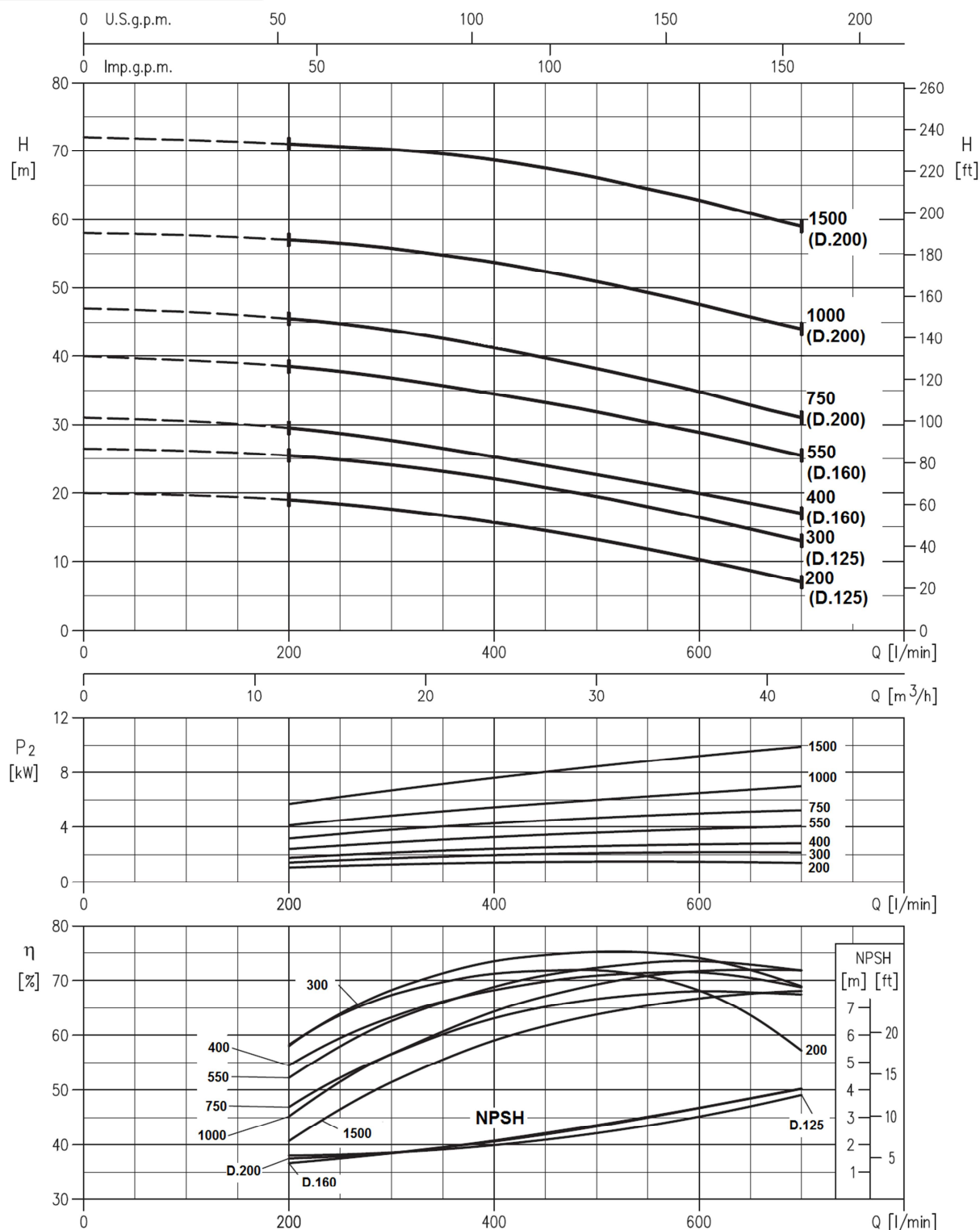
NX32 at 2900 min⁻¹ (according to ISO 9906 Attachment A)



SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

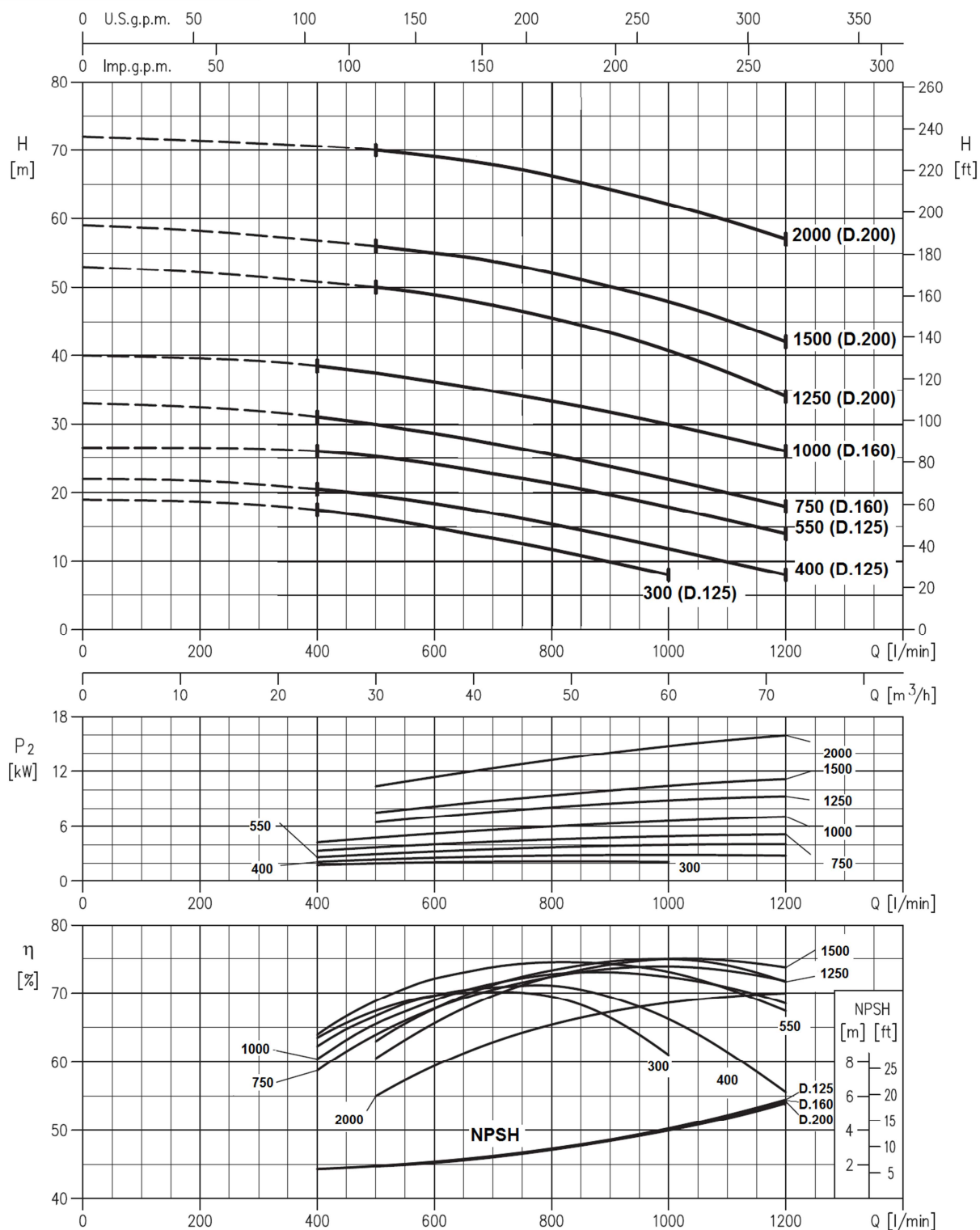
NX40 at 2900 min⁻¹ (according to ISO 9906 Attachment A)



SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

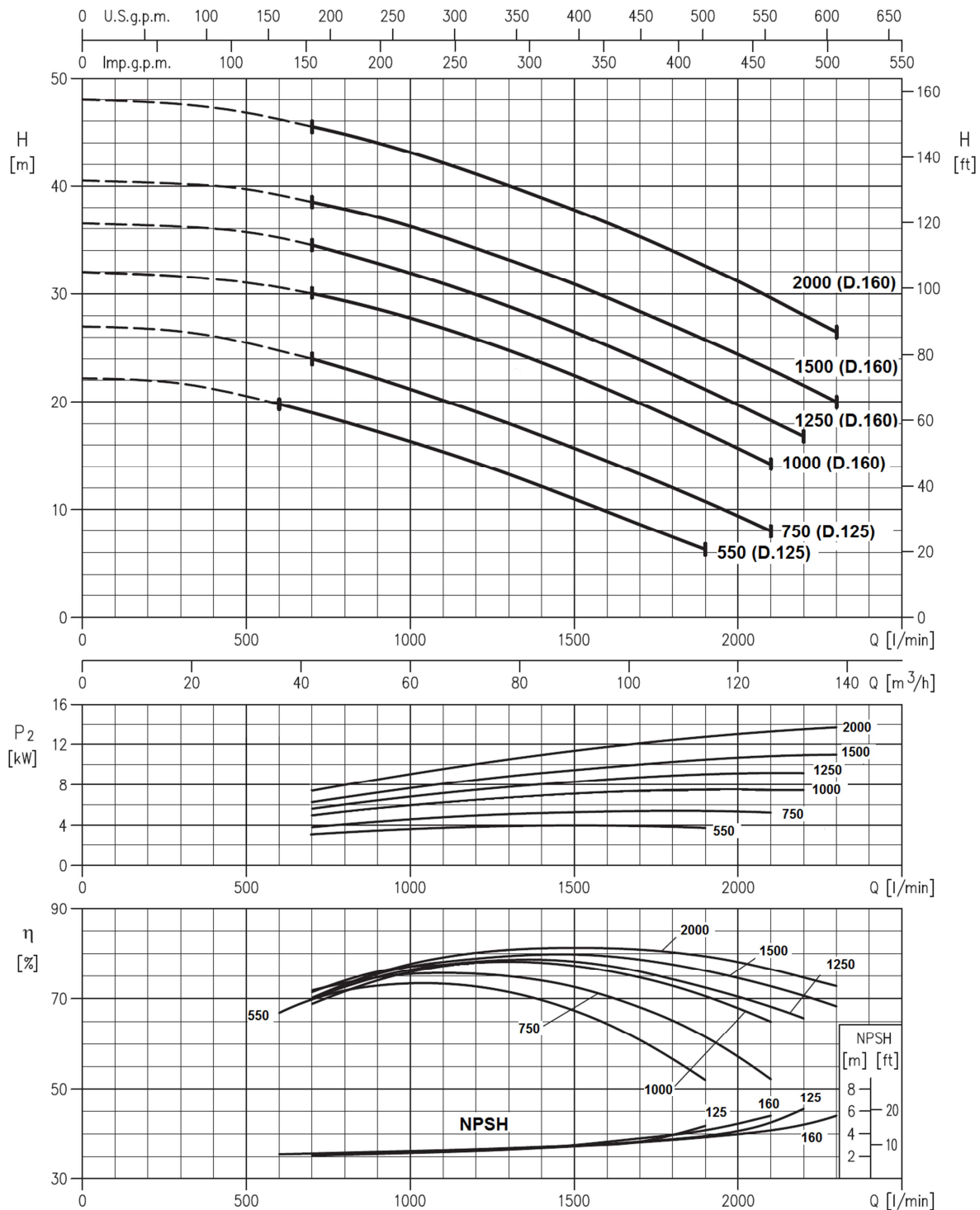
NX50 at 2900 min⁻¹ (according to ISO 9906 Attachment A)



SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

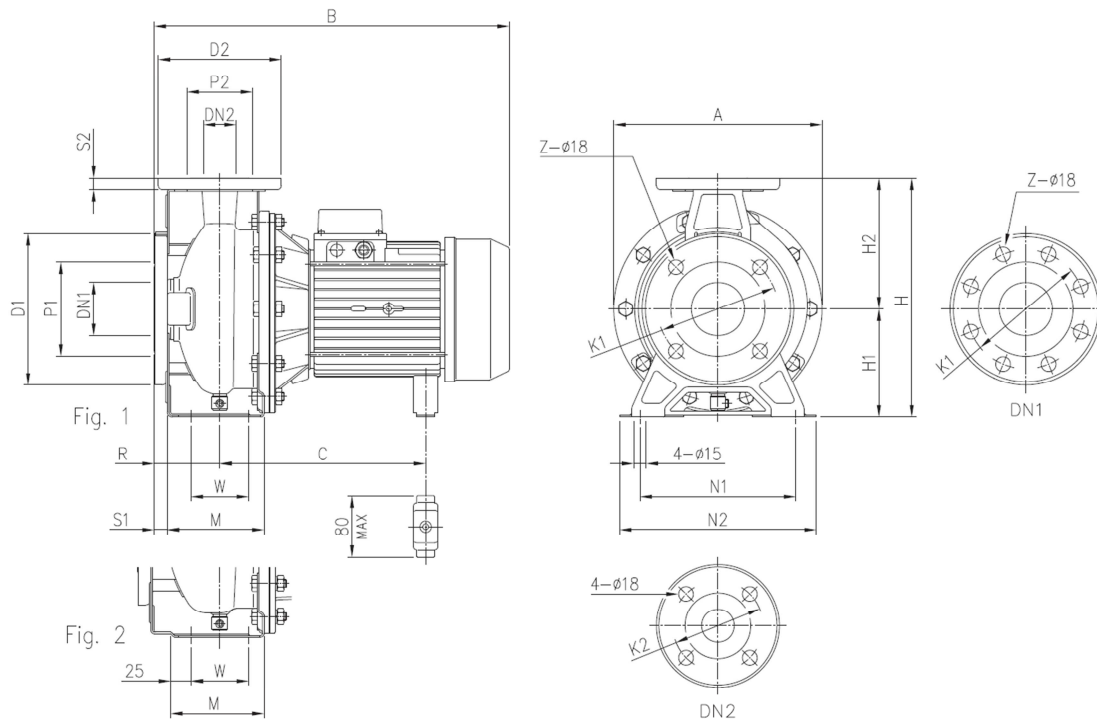
NX65 at 2900 min⁻¹ (according to ISO 9906 Attachment A)



SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

NX DIMENSION CHART

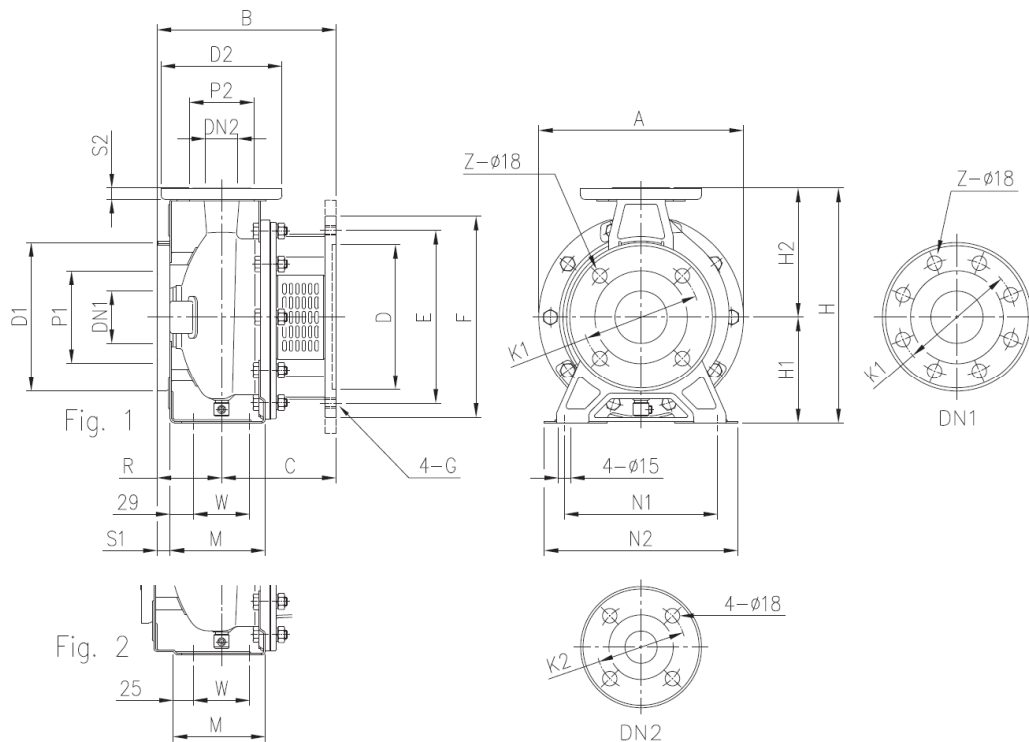


MOD.	Ø DN1	Ø P1	Ø K1	Ø D1	S1	Z	Ø DN2	Ø P2	Ø K2	Ø D2	S2	Fig.	H	H1	H2	R	W	M	N1	N2	A	B	C	WEIGHT KG
NX32/150	50	95	125	165	16	4	32	75	100	140	14	1	252	112	140	80	70	114	140	190	213	408	219-230	19.6
NX32/200	50	95	125	165	16	4	32	75	100	140	14	1	292	132	160	80	70	118	190	240	254	408	219-230	22.5
NX32/300	50	95	125	165	16	4	32	75	100	140	14	1	292	132	160	80	70	118	190	240	254	408	219-230	24.6
NX32/400	50	95	125	165	16	4	32	75	100	140	14	1	340	160	180	80	70	119	190	240	296	433	244-255	32.8
NX32/550	50	95	125	165	16	4	32	75	100	140	14	1	340	160	180	80	70	119	190	240	296	454	253	39.5
NX32/750	50	95	125	165	16	4	32	75	100	140	14	1	340	160	180	80	70	119	190	240	296	475	275	48.5
NX32/1000	50	95	125	165	16	4	32	75	100	140	14	1	340	160	180	80	70	119	190	240	296	517	275	57.0
NX40/200	65	115	145	185	16	4	40	80	110	150	14	1	252	112	140	80	70	114	160	210	213	408	219-230	20.1
NX40/300	65	115	145	185	16	4	40	80	110	150	14	1	252	112	140	80	70	114	160	210	213	408	219-230	22.7
NX40/400	65	115	145	185	16	4	40	80	110	150	14	1	292	132	160	80	70	118	190	240	254	433	244-255	28.0
NX40/550	65	115	145	185	16	4	40	80	110	150	14	1	292	132	160	80	70	118	190	240	254	454	253	35.1
NX40/750	65	115	145	185	16	4	40	80	110	150	14	2	340	160	180	100	70	115	212	265	296	495	275	48.8
NX40/1000	65	115	145	185	16	4	40	80	110	150	14	2	340	160	180	100	70	115	212	265	296	537	275	56.2
NX40/1500	65	115	145	185	16	4	40	80	110	150	14	2	340	160	180	100	70	115	212	265	296	594	359	67.5
NX50/300	65	115	145	185	16	4	50	95	125	165	16	2	292	132	160	100	70	114	190	240	254	428	219-230	28.1
NX50/400	65	115	145	185	16	4	50	95	125	165	16	2	292	132	160	100	70	114	190	240	254	453	244-255	28.6
NX50/550	65	115	145	185	16	4	50	95	125	165	16	2	292	132	160	100	70	114	190	240	254	474	253	35.2
NX50/750	65	115	145	185	16	4	50	95	125	165	16	2	340	160	180	100	70	115	212	265	296	495	275	49.1
NX50/1000	65	115	145	185	16	4	50	95	125	165	16	2	340	160	180	100	70	115	212	265	296	537	275	55.5
NX50/1250	65	115	145	185	16	4	50	95	125	165	16	2	360	160	200	100	70	115	212	265	296	594	359	61.7
NX50/1500	65	115	145	185	16	4	50	95	125	165	16	2	360	160	200	100	70	115	212	265	296	594	359	67.5
NX50/2000	65	115	145	185	16	4	50	95	125	165	16	2	360	160	200	100	70	115	212	265	296	723	190.5	96.0
NX65/550	80	134	160	200	18	8	65	115	145	185	16	2	340	160	180	100	95	140	212	280	254	474	253	40.0
NX65/750	80	134	160	200	18	8	65	115	145	185	16	2	340	160	180	100	95	140	212	280	254	495	275	52.0
NX65/1000	80	134	160	200	18	8	65	115	145	185	16	2	360	160	180	100	95	140	212	280	254	537	275	62.0
NX65/1250	80	134	160	200	18	8	65	115	145	185	16	2	360	160	200	100	95	140	212	280	296	594	359	67.0
NX65/1500	80	134	160	200	18	8	65	115	145	185	16	2	360	160	200	100	95	140	212	280	296	594	359	75.6
NX65/2000	80	134	160	200	18	8	65	115	145	185	16	2	360	160	200	100	95	140	212	280	296	731	190.5	93.0

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

3SF DIMENSION CHART

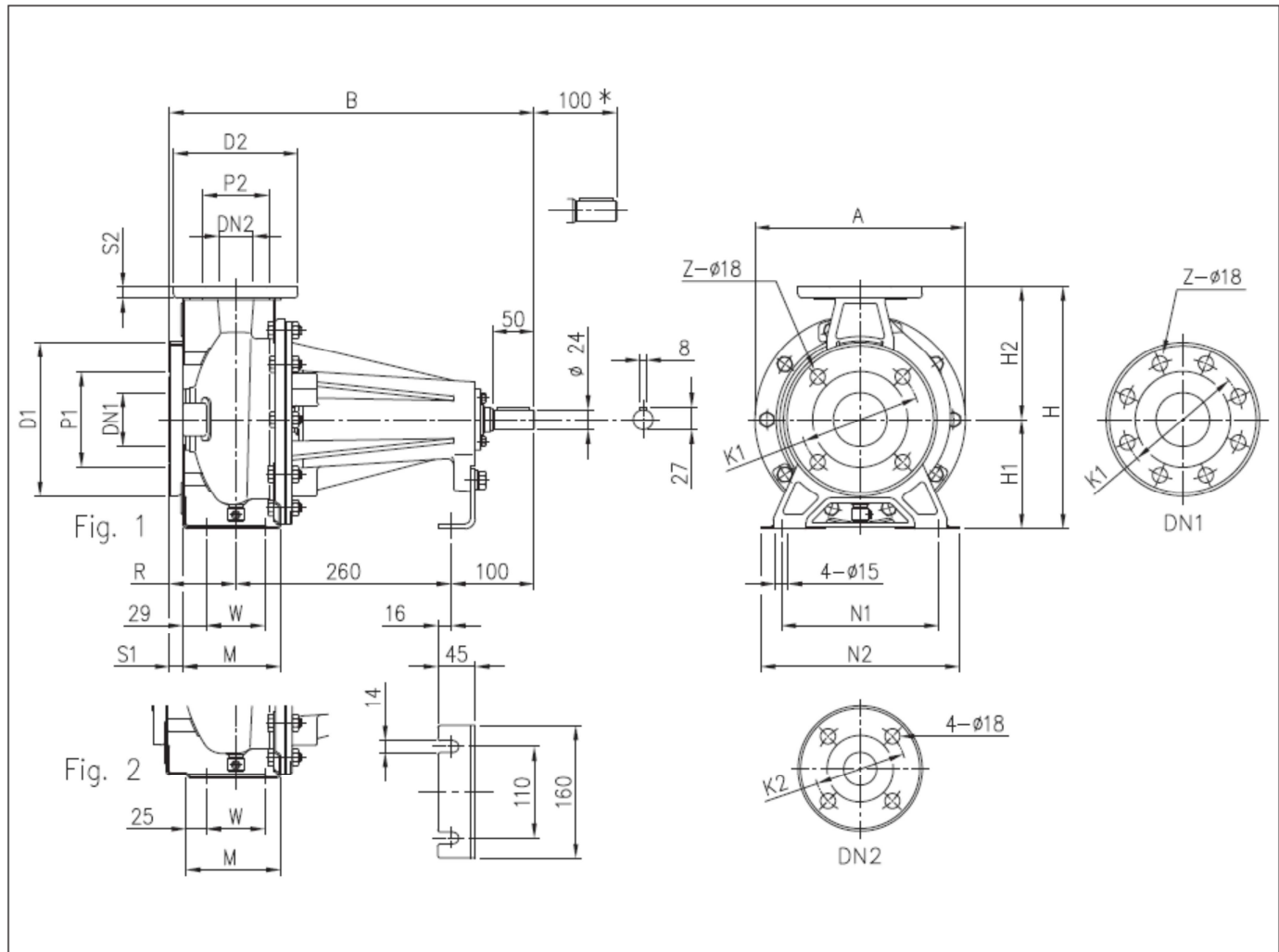


MOD.	Fig.	Ø DN1	Ø P1	Ø K1	Ø D1	S1	Z	Ø DN2	Ø P2	Ø K2	Ø D2	S2	H	H1	H2	M	N1	N2	R	W	A	B	C	D	E	F	G	WGT. KG
32-125/1.1	1	50	95	125	165	16	4	32	75	100	140	14	252	112	140	114	140	190	80	70	213	198	174	130	165	200	M10	13.1
32-125/1.5	1	50	95	125	165	16	4	32	75	100	140	14	292	132	160	118	190	240	80	70	254	210	186	130	165	200	M10	17.0
32-125/2.2	1	50	95	125	165	16	4	32	75	100	140	14	292	132	160	118	190	240	80	70	254	210	186	130	165	200	M10	17.0
32-200/3	1	50	95	125	165	16	4	32	75	100	140	14	340	160	180	119	190	240	80	70	296	222	142	180	215	250	M12	24.0
32-200/4	1	50	95	125	165	16	4	32	75	100	140	14	340	160	180	119	190	240	80	70	296	222	142	180	215	250	M12	24.0
32-200/5.5	1	50	95	125	165	16	4	32	75	100	140	14	340	160	180	119	190	240	80	70	296	222	165	230	265	300	M12	28.0
32-200/7.5	1	50	95	125	165	16	4	32	75	100	140	14	340	160	180	119	190	240	80	70	296	222	165	230	265	300	M12	28.0
40-125/1.5	1	65	115	145	185	16	4	40	80	110	150	14	252	112	140	114	160	210	80	70	213	210	186	130	165	200	M10	14.4
40-125/2.2	1	65	115	145	185	16	4	40	80	110	150	14	252	112	140	114	160	210	80	70	213	210	186	130	165	200	M10	14.5
40-160/3	2	65	115	145	185	16	4	40	80	110	150	14	292	132	160	118	190	240	80	70	254	222	142	180	215	250	M12	19.5
40-160/4	2	65	115	145	185	16	4	40	80	110	150	14	292	132	160	118	190	240	80	70	254	222	142	180	215	250	M12	20.0
40-200/5.5	2	65	115	145	185	16	4	40	80	110	150	14	340	160	180	115	212	265	100	70	296	265	165	230	265	300	M12	28.0
40-200/7.5	2	65	115	145	185	16	4	40	80	110	150	14	340	160	180	115	212	265	100	70	296	265	165	230	265	300	M12	28.0
40-200/11	2	65	115	145	185	16	4	40	80	110	150	14	340	160	180	115	212	265	100	70	296	298	198	250	300	350	M16	41.5
50-125/2.2	2	65	115	145	185	16	4	50	95	125	165	16	292	132	160	114	190	240	100	70	254	230	186	130	165	200	M10	20.0
50-125/3	2	65	115	145	185	16	4	50	95	125	165	16	192	132	160	114	190	240	100	70	254	242	142	180	215	250	M12	20.0
50-125/4	2	65	115	145	185	16	4	50	95	125	165	16	292	132	160	114	190	240	100	70	254	242	142	180	215	250	M12	20.0
50-160/5.5	2	65	115	145	185	16	4	50	95	125	165	16	340	160	180	115	212	265	100	70	296	265	165	230	265	300	M12	28.5
50-160/7.5	2	65	115	145	185	16	4	50	95	125	165	16	340	160	180	115	212	265	100	70	296	265	165	230	265	300	M12	28.5
50-200/9.2	2	65	115	145	185	16	4	50	95	125	165	16	360	160	200	115	212	265	100	70	296	265	165	230	265	300	M12	29.0
50-200/11	2	65	115	145	185	16	4	50	95	125	165	16	360	160	200	115	212	265	100	70	296	298	198	250	300	350	M16	41.5
50/200/15	2	65	115	145	185	16	4	50	95	125	165	16	360	160	200	115	212	265	100	70	296	298	198	250	300	350	M16	42.5
65-125/4	2	80	134	160	200	18	8	65	115	145	185	16	340	160	180	140	212	280	100	95	254	242	142	180	215	250	M12	26.0
65/125/5.5	2	80	134	160	200	18	8	65	115	145	185	16	340	160	180	140	212	280	100	95	254	265	165	230	265	300	M12	27.5
65-160/7.5	2	80	134	160	200	18	8	65	115	145	185	16	360	160	200	140	212	280	100	95	296	265	165	230	265	300	M12	27.0
65-160/9.2	2	80	134	160	200	18	8	65	115	145	185	16	360	160	200	140	212	280	100	95	296	265	165	230	265	300	M12	30.0
65-160/11	2	80	134	160	200	18	8	65	115	145	185	16	360	160	200	140	212	280	100	95	296	298	198	250	300	350	M16	40.0
65-160/15	2	80	134	160	200	18	8	65	115	145	185	16	360	160	200	140	212	280	100	95	296	308	208	250	300	350	M16	42.0

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

3PF DIMENSION CHART



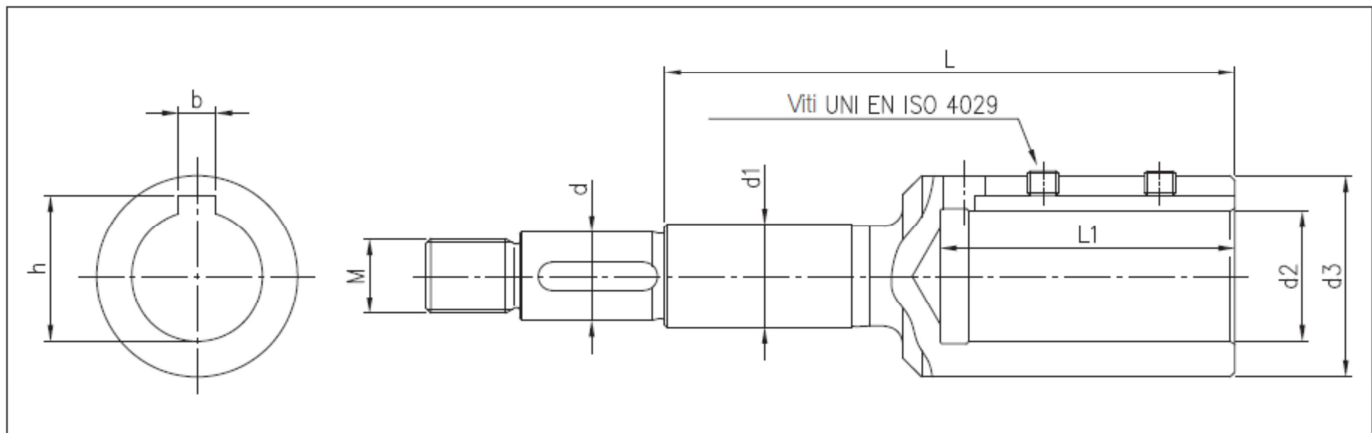
DIMENSIONS TABLE

Model	Dimensions [mm]																								Weight [kg]
	Fig.	DN1	P1	K1	D1	S1	Z		[1]	[2]	DN2	P2	K2	D2	S2	H	H1	H2	M	N1	N2	R	W	A	
32-125	1	50	95	125	165	16	4	-	-	32	75	100	140	14	252	112	140	114	140	190	80	70	213	440	17,0
32-160	1	50	95	125	165	16	4	-	-	32	75	100	140	14	292	132	160	118	190	240	80	70	254	440	19,0
32-200	1	50	95	125	165	16	4	-	-	32	75	100	140	14	340	160	180	119	190	240	80	70	296	440	27,0
40-125	1	65	115	145	185	16	4	-	-	40	80	110	150	14	252	112	140	114	160	210	80	70	213	440	17,0
40-160	1	65	115	145	185	16	4	-	-	40	80	110	150	14	292	132	160	118	190	240	80	70	254	440	19,0
40-200	2	65	115	145	185	16	4	-	-	40	80	110	150	14	340	160	180	115	212	265	100	70	296	460	27,0
50-125	2	65	115	145	185	16	4	-	-	50	95	125	165	16	292	132	160	114	190	240	100	70	254	460	19,0
50-160	2	65	115	145	185	16	4	-	-	50	95	125	165	16	340	160	180	115	212	265	100	70	296	460	28,0
50-200	2	65	115	145	185	16	4	-	-	50	95	125	165	16	360	160	200	115	212	265	100	70	296	460	27,0
65-125	2	80	134	160	200	18	8	4	65	115	145	185	16	340	160	180	140	212	280	100	95	254	460	28,0	
65-160	2	80	134	160	200	18	8	4	65	115	145	185	16	360	160	200	140	212	280	100	95	296	460	29,0	
65-200	2	80	134	160	200	18	8	4	65	115	145	185	16	405	180	225	40	250	320	100	95	296	460	30,0	

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

JOINT FOR 3SF SERIES



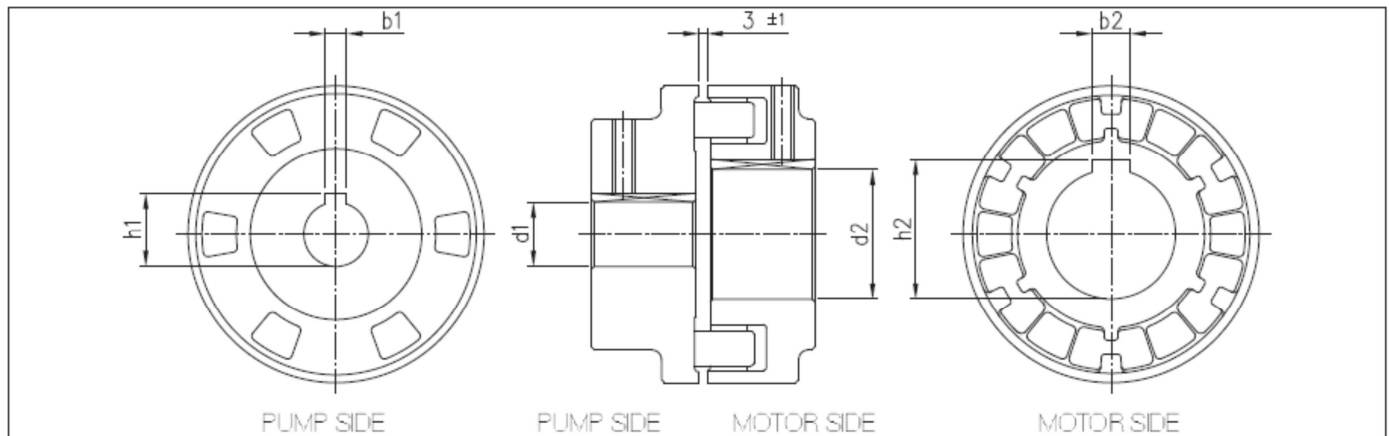
DIMENSIONS TABLE

Model	[HP]	[kW]	Motor size	d	d1	d2	d3	Dimensions [mm]			b	h	Screws
								M	L	L1			
32-125/1.1	1,5	1,1	80	19	22	19	33	M16x1,5	98	43	6	21,8	M6x6
32-160/1.5	2	1,5	90	19	22	24	39	M16x1,5	110	53	8	27,3	M8x8
32-160/2.2	3	2,2	90	19	22	24	39	M16x1,5	110	53	8	27,3	M8x8
32-200/3.0	4	3	100	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
32-200/4.0	5,5	4	112	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
32-200/5.5	7,5	5,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
32-200/7.5	10	7,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
40-125/1.5	2	1,5	90	19	22	24	39	M16x1,5	110	53	8	27,3	M8x8
40-125/2.2	3	2,2	90	19	22	24	39	M16x1,5	110	53	8	27,3	M8x8
40-160/3.0	4	3	100	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
40-160/4.0	5,5	4	112	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
40-160/5.5	7,5	5,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
40-200/7.5	10	7,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
40-200/11	15	11	160	19	22	42	63	M16x1,5	178	114	12	45,3	M8x8
50-125/2.2	3	2,2	90	19	22	24	39	M16x1,5	110	53	8	27,3	M8x8
50-125/3.0	4	3	100	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
50-125/4.0	5,5	4	112	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
50-160/5.5	7,5	5,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
50-160/7.5	10	7,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
50-200/9.2	12,5	9,2	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
50-200/11	15	11	160	19	22	42	63	M16x1,5	178	114	12	45,3	M8x8
50-200/15	20	15	160	22	22	42	63	M18x1,5	209	114	12	45,3	M8x8
65-125/4.0	5,5	4	112	19	22	28	43	M16x1,5	122	63	8	31,3	M8x8
65-125/5.5	7,5	5,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
65-125/7.5	10	7,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
65-160/7.5	10	7,5	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
65-160/9.2	12,5	9,2	132	19	22	38	58	M16x1,5	145	84	10	41,3	M8x8
65-160/11	15	11	160	19	22	42	63	M16x1,5	178	114	12	45,3	M8x8
65-160/15	20	15	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
65-200/15	20	15	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
65-200/18.5	25	18,5	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
65-200/22	30	22	180	24	30	48	72	M20x1,5	184	114	14	51,8	M10x10
65-250/30	40	30	200	24	30	55	85	M20x1,5	184	114	16	59,3	M12x12
65-250/37	50	37	200	24	30	55	85	M20x1,5	184	114	16	59,3	M12x12
80-160/11	15	11	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
80-160/15R	20	15	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
80-160/15	20	15	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
80-160/18.5	25	18,5	160	24	30	42	63	M20x1,5	184	114	12	45,3	M8x8
80-200/22	30	22	180	24	30	48	72	M20x1,5	184	114	14	51,8	M10x10
80-200/30	40	30	200	24	30	55	85	M20x1,5	184	114	16	59,3	M12x12
80-200/37	50	37	200	24	30	55	85	M20x1,5	184	114	16	59,3	M12x12
80-250/37	50	37	200	29	35	55	85	M24x2	206	114	16	59,3	M12x12
80-250/45	60	45	225	29	35	55	85	M24x2	206	114	16	59,3	M12x12
80-250/55	75	55	250	29	35	60	89	M24x2	218	144	18	64,4	M12x12

SERIES NX

STAINLESS STEEL PUMPS AS PER DIN 24255 STANDARDS

JOINT FOR 3PF SERIES



DIMENSIONS TABLE

Model	[HP]	[kW]	Motor size	Dimensions [mm]					
				d1	b1	h1	d2	b2	h2
32-125/1.1	1,5	1,1	80	24	8	27,3	19	6	21,8
32-160/1.5	2	1,5	90	24	8	27,3	24	8	27,3
32-160/2.2	3	2,2	90	24	8	27,3	24	8	27,3
32-200/3.0	4	3	100	24	8	27,3	28	8	31,3
32-200/4.0	5,5	4	112	24	8	27,3	28	8	31,3
32-200/5.5	7,5	5,5	132	24	8	27,3	38	10	41,3
32-200/7.5	10	7,5	132	24	8	27,3	38	10	41,3
40-125/1.5	2	1,5	90	24	8	27,3	24	8	27,3
40-125/2.2	3	2,2	90	24	8	27,3	24	8	27,3
40-160/3.0	4	3	100	24	8	27,3	28	8	31,3
40-160/4.0	5,5	4	112	24	8	27,3	28	8	31,3
40-200/5.5	7,5	5,5	132	24	8	27,3	38	10	41,3
40-200/7.5	10	7,5	132	24	8	27,3	38	10	41,3
40-200/11	15	11	160	24	8	27,3	42	12	45,3
50-125/2.2	3	2,2	90	24	8	27,3	24	8	27,3
50-125/3.0	4	3	100	24	8	27,3	28	8	31,3
50-125/4.0	5,5	4	112	24	8	27,3	28	8	31,3
50-160/5.5	7,5	5,5	132	24	8	27,3	38	10	41,3
50-160/7.5	10	7,5	132	24	8	27,3	38	10	41,3
50-200/9.2	12,5	9,2	132	24	8	27,3	38	10	41,3
50-200/11	15	11	160	24	8	27,3	42	12	45,3
50-200/15	20	15	160	24	8	27,3	42	12	45,3
65-125/4.0	5,5	4	112	24	8	27,3	28	8	31,3
65-125/5.5	7,5	5,5	132	24	8	27,3	38	10	41,3
65-125/7.5	10	7,5	132	24	8	27,3	38	10	41,3
65-160/7.5	10	7,5	132	24	8	27,3	38	10	41,3
65-160/9.2	12,5	9,2	132	24	8	27,3	38	10	41,3
65-160/11	15	11	160	24	8	27,3	42	12	45,3
65-160/15	20	15	160	24	8	27,3	42	12	45,3
65-200/15	20	15	160	24	8	27,3	42	12	45,3
65-200/18.5	25	18,5	160	24	8	27,3	42	12	45,3
65-200/22	30	22	180	24	8	27,3	48	14	51,8
65-250/30	40	30	200	32	10	35,3	55	16	59,3
65-250/37	50	37	200	32	10	35,3	55	16	59,3
80-160/11	15	11	160	24	8	27,3	42	12	45,3
80-160/15R	20	15	160	24	8	27,3	42	12	45,3
80-160/15	20	15	160	24	8	27,3	42	12	45,3
80-160/18.5	25	18,5	160	24	8	27,3	42	12	45,3
80-200/22	30	22	180	32	10	35,3	48	14	51,8
80-200/30	40	30	200	32	10	35,3	55	16	59,3
80-200/37	50	37	200	32	10	35,3	55	16	59,3
80-250/37	50	37	200	32	10	35,3	55	16	59,3
80-250/45	60	45	225	32	10	35,3	55	16	59,3
80-250/55	75	55	250	32	10	35,3	60	18	64,4

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS



Professional, in-line, vertical multistage pumps, with all parts in contact with water in stainless steel Aisi 304 (Aisi 316L for EVX 15-20), suitable for various applications mostly in industrial and building sectors (boiler feed, circulation of hot and cold water for heating / cooling / conditioning systems, pressure boosting and water supply systems, wash down units, water treatment plants and so on).

MAIN FEATURES AND MATERIALS

Full stainless steel in contact with water (inox version), compact and solid structure.
Diffuser bushing made of carbon for durability against dry running (EV 30-45-65-95).
Easy installation IN-LINE and easy disassembly without any tool.
Oversize ball bearing (bearing bracket) ensure motor bearing long life and eliminates axial and other adjustments of moving parts.
Removal of the mechanical seal without dismounting the motor for EVX 15-20-30-45-65-95 models from 4 Kw.
Replaceable stainless steel wear ring in the neck of the impeller (EVX 30-45-65-95).
Shaft bearing and journal sleeve made of tungsten carbide (EVX 15-20-30-45-65-95)
Shaft bearing made of tungsten carbide and journal sleeve made of ceramic (EVX 1-3-6-10)
Standard balanced mechanical seal (EN 12756 ex DIN 24960) WRAS certified
Standard motor without oversize bearing, size B14 up to 4kW / size B5 from 5.5kW and above, IE3
Tungsten carbide intermediate bearing to control and eliminate vibration and stabilize the rotor with a large number of stages.
WRAS certified components.

SPECIFICATIONS AND LIMIT OF USE

Capacities up to 120 m³/h at 50Hz
Head up to 30 Bar at 50Hz
Direction of rotation : clockwise looking at the pump from the top down
Discharge and Suction port: Oval, Round flanges, Victaulic and Clamp connections
Hydraulic characteristics are guaranteed, according to ISO standard 9906 grade 3
Liquid temperature range: from -15°C to +120°C
Materials: suitable for handling potable water (materials WRAS certified)
Maximum working pressure: Oval flange 16 Bar; Round Flange, Victaulic and Clamp connections 25 Bar
Motor powers from 2.2 to 45 kW at 50Hz

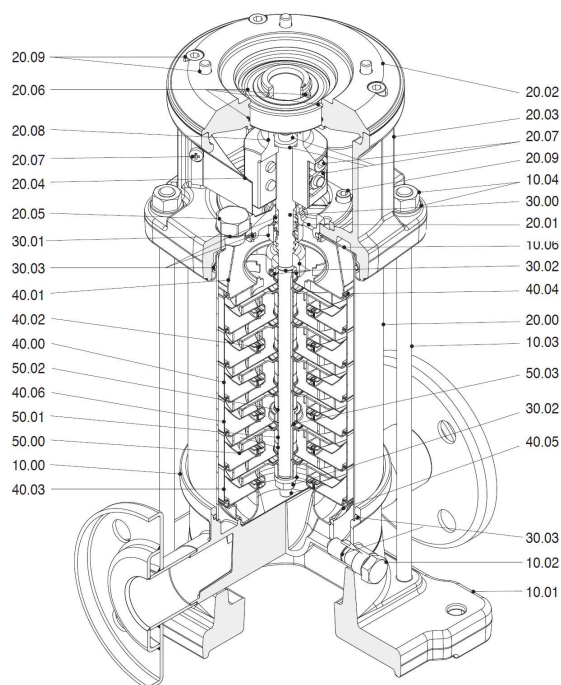
AVAILABLE ON REQUEST

Special materials for the mechanical seal, gaskets and elastomers.
Pumps in AISI 316L.
Round and oval counter flanges.

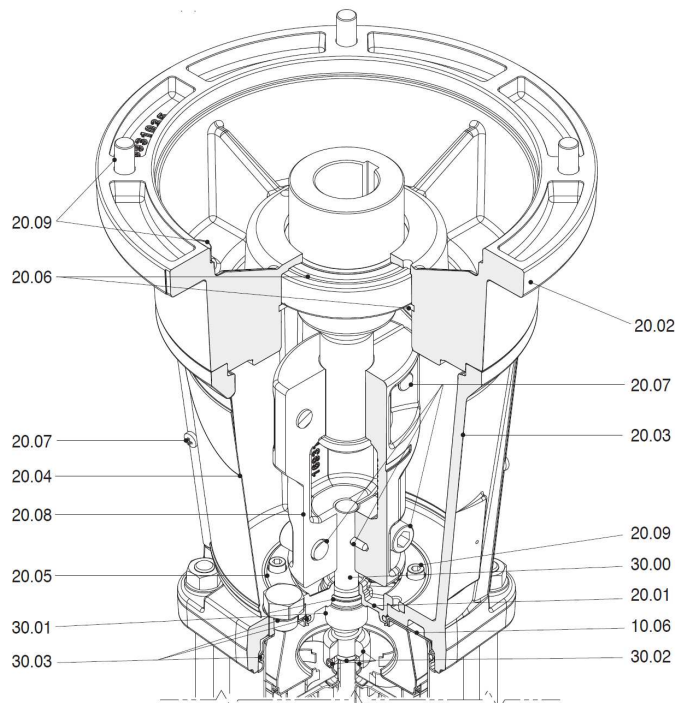
SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 1 – 3 – 6 – 10
PUMP SECTION AND LIST OF MAIN COMPONENTS



(Configuration up to 4kW)



(Configuration from 5,5kW)

N. rif.	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Filling and draining plug
10.03	Tie bolt
10.04	Kit nuts and washers
10.06	Upper flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings, and O-ring
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws

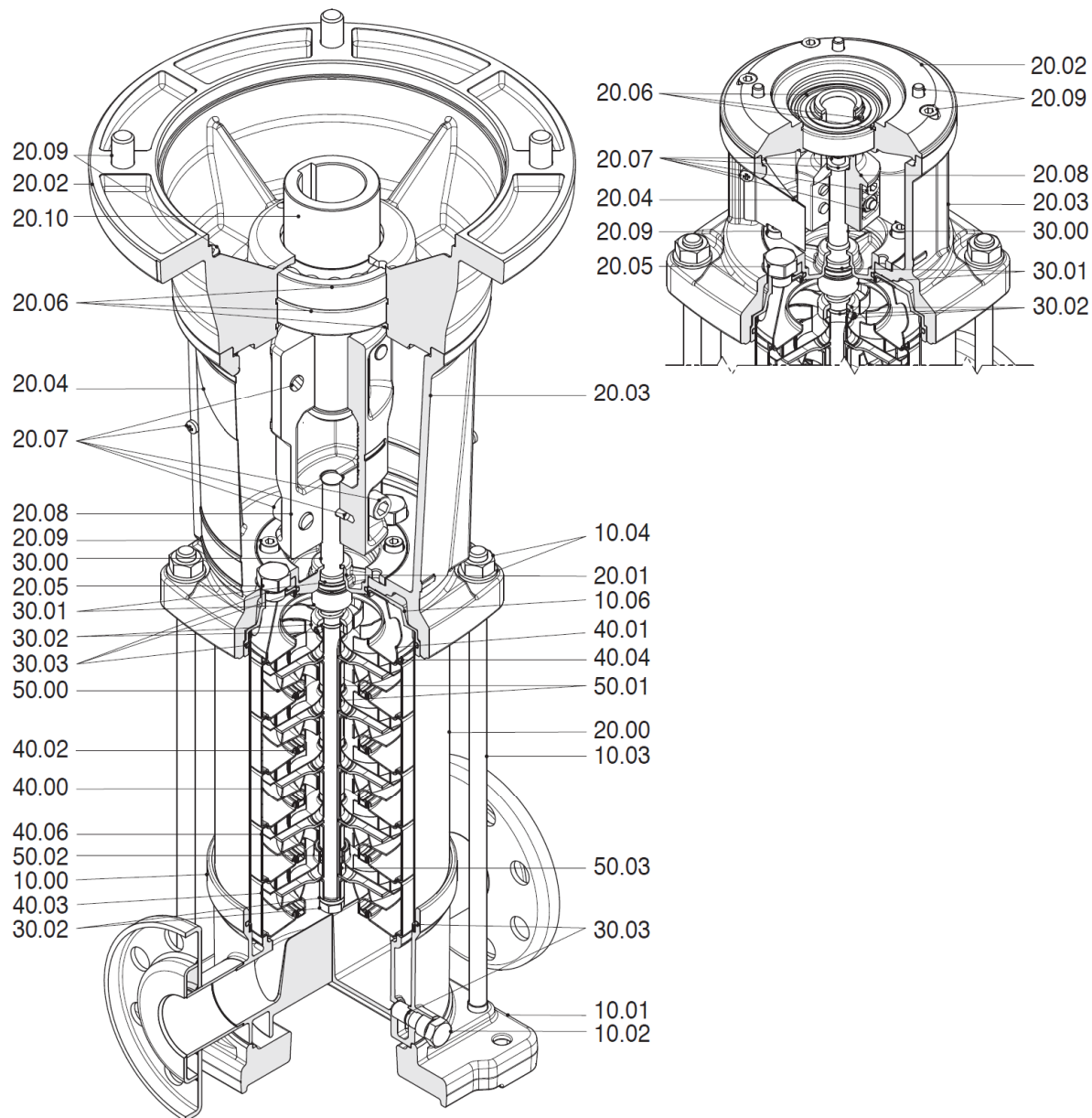
N. rif.	Description
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet
40.02	Floating neck ring
40.03	Initial stage housing
40.04	Last Stage with diffuser
40.05	Stage Centering inlet
40.06	Stage housing and diffuser with bearing
50.00	Impeller
50.01	Impeller spacer
50.02	Intermediary sleeve
50.03	Intermediary sleeve spacer

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 15 – 20

PUMP SECTION AND LIST OF MAIN COMPONENTS



Ref. N.	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Draining and priming cap
10.03	Tie bolt
10.04	Kit nuts and washers
10.06	Upper Flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws

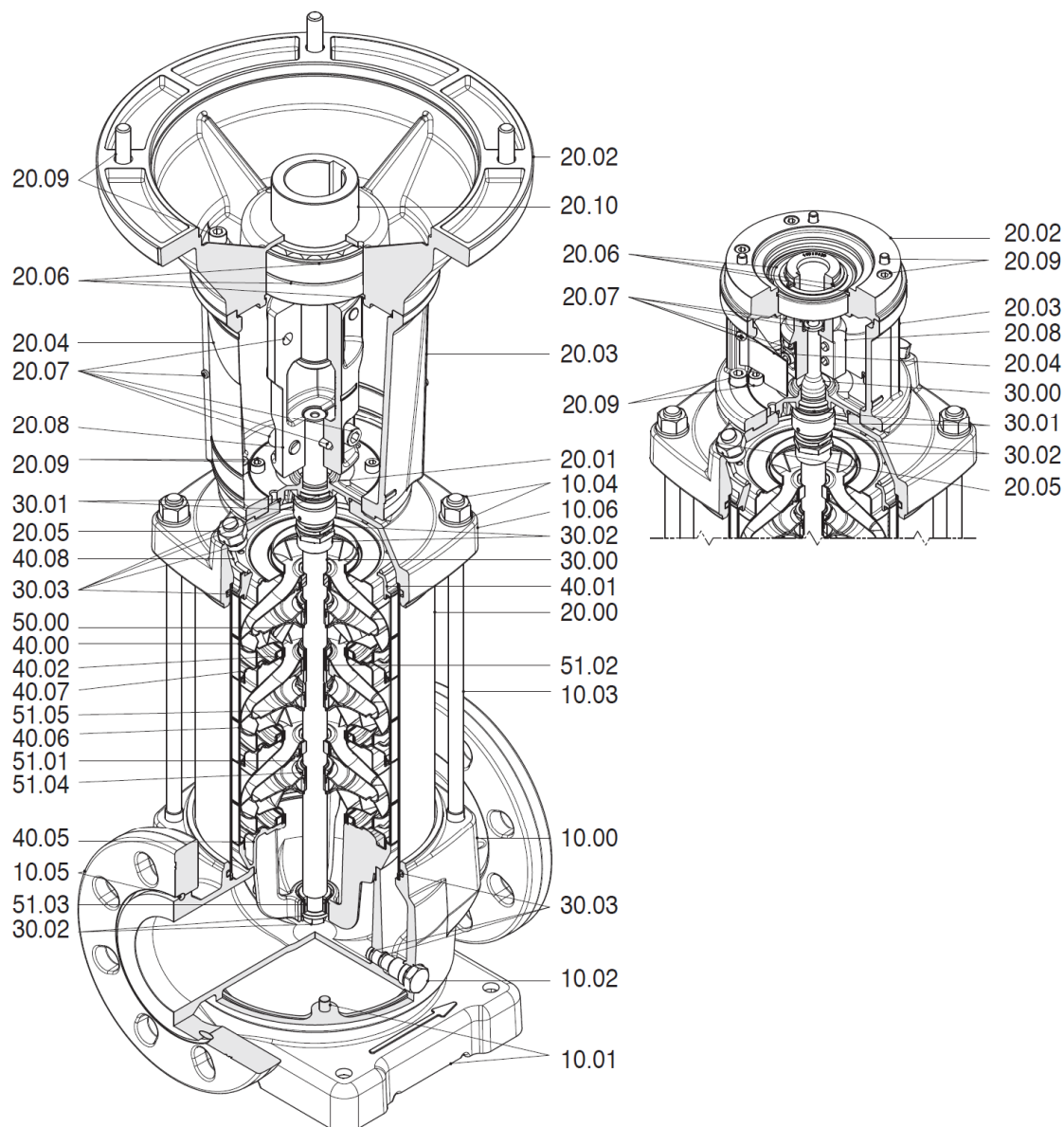
Ref. N.	Description
20.10	Motor shaft adapter
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet
40.02	Floating neck ring
40.03	Initial stage housing
40.04	Last Stage with diffuser
40.06	Stage housing and diffuser with bearing
50.00	Impeller
50.01	Impeller spacer
50.02	Intermediary sleeve
50.03	Intermediary sleeve spacer

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 30 – 45 – 65 – 95

PUMP SECTION AND LIST OF MAIN COMPONENTS



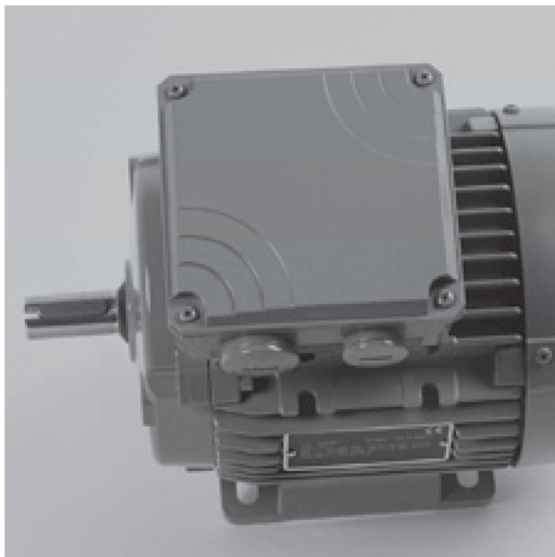
Ref. N.	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Draining and priming cap
10.03	Tie bolt
10.04	Kit nuts and washers
10.05	Kit flanges ring
10.06	Upper Flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws
20.10	Motor shaft adapter

Ref. N.	Description
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet (ONLY 65/95 vers.)
40.02	Floating neck ring
40.05	Stage Centering inlet
40.06	Stage housing and diffuser with bearing
40.07	Flange clamping neck ring
40.08	Spring ring
50.00	Impeller
51.01	Split cone
51.02	Intermediary sleeve nut
51.03	Journal sleeve
51.04	Split cone nut
51.05	Intermediate impeller with screw

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

Motors - AEG



FEATURES

- Protection degree: IP55
- Max ambient temperature: 40°C
- Insulation class: F
- Size B14 up to 4kW, size B5 from 5.5kW and above

SINGLE-PHASE MOTORS

- The range available is especially designed for superior performance and low vibration and noise. The AMM range is ideal for low-inertia applications and the application industry.
- Standard Voltage 230V
- Capacitor inside terminal box

THREE-PHASE MOTORS - ENERGY EFFICIENT

High Efficiency Three-phase Motors IE3 code.

The standard design includes the following basic features to give a high level of flexibility:

- Multi Mount Construction for an easy change of terminal box position
- Terminal box rotates by 90° to allow cable entry from any direction
- Easy-to-change flanges with over-sized and smaller-sized dimensions
- Provision for oil seal at Drive End
- Motors conforming to the higher efficiency standards for Europe, North America and Australia
- Standard Voltage up to 3kW 230/400V, 400/690V from 4kW and above

Single-phase motors designed for range of rated voltage 230V 50Hz

Power kW	Power HP	IEC Size	Construction Design	I _N [A] 230V	min ⁻¹	M _N Nm	η %	cos φ	I _A /I _N	M _A /M _N	Weight Kg
0.37	0.5	71	B14	3.1	2780	1.3	57.6	0.89	3.1	0.8	7.1
0.55	0.75	71	B14	3.9	2740	1.9	69.0	0.89	3.5	0.7	8.5
0.75	1	80	B14	5.3	2800	2.6	65.0	0.95	4.1	0.6	11.4
1.1	1.5	80	B14	6.5	2730	3.8	74.0	0.97	3.6	0.5	11.8
1.5	2	90	B14	9.3	2835	5.1	73.0	0.90	3.9	0.5	17.3
2.2	3	90	B14	14.6	2770	7.6	73.0	0.90	4.3	0.2	19.3

Three-phase motors designed for range of rated voltage 400V 50Hz

	Power kW	Power HP	IEC Size	Construction Design	I _N [A] Δ 230V	I _N [A] Y 400V	I _N [A] Δ 400V	I _N [A] Y 690V	min ⁻¹	M _N Nm	η %	cos φ	I _A /I _N	M _A /M _N	Weight Kg
IE2	0.37	0.5	71	B14	1.7	1.0	-	-	2820	1.3	70.0	0.78	4.7	3.6	5.8
	0.55	0.75	71	B14	2.6	1.5	-	-	2830	1.9	71.0	0.77	4.8	3.2	6.2
IE3	0.75	1	80	B14	2.9	1.7	-	-	2910	2.5	82.0	0.78	8.9	4.7	9.5
	1.1	1.5	80	B14	4.2	2.4	-	-	2870	3.7	82.7	0.76	9.3	5	11.1
	1.5	2	90	B14	5.2	3.0	-	-	2875	5.0	84.2	0.85	8.4	3.6	14.0
	2.2	3	90	B14	8.0	4.6	-	-	2880	7.3	86.5	0.82	9.2	4	16.0
	3	4	100	B14	9.7	5.6	-	-	2900	9.9	87.1	0.89	8.8	5.5	22.8
	4	5.5	112	B14	-	-	8	4.6	2900	13	88.1	0.83	10.7	5.1	26.5
	5.5	7.5	132	B5	-	-	10.2	5.9	2935	17.9	89.2	0.87	11.2	4.2	33.6
	7.5	10	132	B5	-	-	14.4	8.3	2930	24.5	90.1	0.84	10.4	4.5	36.0
	11	15	160	B5	-	-	19.9	11.5	2935	35.8	91.2	0.89	9.7	4.4	62.0
	15	20	160	B5	-	-	26.8	15.5	2915	49.2	91.9	0.88	9.6	3.7	68.0
	18.5	25	160	B5	-	-	33.0	19.1	2950	59.9	92.4	0.88	10.7	4.6	104.0
	22	30	180	B5	-	-	39.4	22.8	2950	71.3	92.7	0.87	10.4	4.5	106.0
	30	40	200	B5	-	-	52.7	30.5	2925	97.9	93.3	0.88	6.7	2.4	276.0
	37	50	200	B5	-	-	63.3	36.6	2930	120.6	93.7	0.90	6.3	2.3	283.0
	45	60	225	B5	-	-	78.5	45.4	2930	146.7	94.0	0.88	6.9	2.3	370.0

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

New International Efficiency classes of motors – IE code

The new IEC 60034-30:2008 defines worldwide the efficiency classes of motors.

IE1 = Standard Efficiency (comparable to EFF2)

IE2 = High Efficiency (comparable to EFF1)

IE3 = Premium Efficiency

The efficiency levels according to IEC 60034-30 are measured based on the test methods defined in IEC 60034-2-1:2007. The IEC 60034-30 only defines requirements of efficiency classes and aims to create provisions for International consistency. It does not define which motors must be supplied with which efficiency level. This is left to respective regional legislation.

Output kW	IE1 code Standard Efficiency			IE2 code Standard Efficiency			IE3 code Standard Efficiency		
	2 poles	4 poles	6 poles	2 poles	4 poles	6 poles	2 poles	4 poles	6 poles
0.75	72.1	72.1	70.0	77.4	79.6	75.9	80.7	82.5	78.9
1.1	75.0	75.0	72.9	79.6	81.4	78.1	82.7	84.1	81.0
1.5	77.2	77.2	75.2	81.3	82.8	79.8	84.2	85.3	82.5
2.2	79.7	79.7	77.7	83.2	84.3	81.8	85.9	86.7	84.3
3	81.5	81.5	79.7	84.6	85.5	83.3	87.1	87.7	85.6
4	83.1	83.1	81.4	85.8	86.6	84.6	88.1	88.6	86.8
5.5	84.7	84.7	83.1	87.0	87.7	86.0	89.2	89.6	88.0
7.5	86.0	86.0	84.7	88.1	88.7	87.2	90.1	90.4	89.1
11	87.6	87.6	86.4	89.4	89.8	88.7	91.2	91.4	90.3
15	88.7	88.7	87.7	90.3	90.6	89.7	91.9	92.1	91.2
18.5	89.3	89.3	88.6	90.9	91.2	90.4	92.4	92.6	91.7
22	89.9	89.9	89.2	91.3	91.6	90.9	92.7	93.0	92.2
30	90.7	90.7	90.2	92.0	92.3	91.7	93.3	93.6	92.9
37	91.2	91.2	90.8	92.5	92.7	92.2	93.7	93.9	93.3
45	91.7	91.7	91.4	92.9	93.1	92.7	94.0	94.2	93.7

Efficiency values according to IEC 60034-30:2008.

Efficiency standard calculation: IEC 60034-2-1:2007

Noise

The noise level of an electrical machine is determined by measuring the sound pressure level in accordance with curve A of the sound level meter to EN 60651 and is indicated in dB (A). The permitted noise levels of electrical machines are fixed in EN 60034-9 (IEC 34-9). The noise level of our motors is well below these limit values. Air-borne sound measurements are carried out in an anechoic testing chamber to EN 21680-ISO 1680. Speed corresponding to a mains frequency of 50Hz and the number of poles.

Noise levels

The noise values listed below refer to 50Hz at rated voltage with a tolerance of up to + 3 dB(A). Values for pole-changing motors on request. For 60Hz supply values are 3-5 dB(A) higher. Sound pressure level L_{pA} and sound power level L_{WA} for three-phase single-speed motors with dimensions and output ratings to IEC 60072

Frame size	2 pole		4 pole	
	L _{WA}	L _{pA}	L _{WA}	L _{pA}
56	57	48	47	38
63	58	49	47	38
71	61	52	51	42
80	72	60	60	48
90	74	62	61	49
100	78	66	62	50
112	80	68	65	53
132	81	72	71	59
160	87	74	75	62
180	90	77	78	66
200	91	78	80	68
225	92	80	88	76

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

SELECTION CHART EVX 1 – 3

MOD.	RATED POWER		H1	Q = DELIVERY											
	KW	HP	BAR	M3/H	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	
				LT/MIN	0	8.3	16.7	25	33	42	50	58	67	75	
EVX 1/2	0.37	0.5	20	H = MT	14.5	13.5	12.5	11.5	9.5	7.5					
EVX 1/3	0.37	0.5	20		21.5	20	19	17	14	11					
EVX 1/4	0.37	0.5	20		28	26.5	24.5	22	18.5	14					
EVX 1/5	0.37	0.5	20		35	33	30.5	27	22.5	17					
EVX 1/6	0.37	0.5	20		41.5	39	36	32	26.5	19.5					
EVX 1/7	0.37	0.5	20		48	45	41.5	36.5	30	22					
EVX 1/8	0.55	0.75	20		55	52	48	42.5	35	26					
EVX 1/9	0.55	0.75	20		61.5	58	53	47	39	28.5					
EVX 1/10	0.55	0.75	20		68	64	58.5	51.5	43	31.5					
EVX 1/11	0.55	0.75	20		74.5	69.5	64	56.5	46.5	34					
EVX 1/12	0.75	1	20		83	78.5	72	64	53	39.5					
EVX 1/13	0.75	1	20		89.5	84.5	77.5	68.5	57	42					
EVX 1/14	0.75	1	20		96	90.5	83	73	60.5	44.5					
EVX 1/15	0.75	1	20		102.5	96	88	78	64	47					
EVX 1/17	1.1	1.5	20		118	111.5	103	91.5	76	56.5					
EVX 1/19	1.1	1.5	20		131	123.5	114	101	84	62					
EVX 1/22	1.1	1.5	20		150.5	141.5	130	115	95	69.5					
EVX 1/23	1.5	2	20		160.5	152	140	124.5	104	77.5					
EVX 1/25	1.5	2	20		174	164	151.5	134.5	112	83.5					
EVX 1/27	1.5	2	20		187	176.5	162.5	144	120	88.5					
EVX 1/30	1.5	2	20		206.5	194.5	179	158	131	96.5					
EVX 1/32	2.2	3	20		224.5	213	197	175.5	147.5	110.5					
EVX 1/34	2.2	3	20		238	225.5	208.5	185.5	155.5	116.5					
EVX 1/37	2.2	3	20		258	244	225.5	200.5	167.5	125					
EVX 3/2	0.37	0.55	20			15		14.5	13.5	12.5	11.5	10	8	6	
EVX 3/3	0.37	0.55	20			22.5		22	21	20	18.5	17	14.5	12	8.5
EVX 3/4	0.37	0.55	20			30		28.5	27.5	26	24	21.5	18.5	15	10.5
EVX 3/5	0.55	0.75	20			37.5		36	34.5	32.5	30	27	23.5	18.5	13
EVX 3/6	0.55	0.75	20			44.5		42.5	40.5	38.5	35.5	32	27	21.5	15
EVX 3/7	0.75	1	20			52.5		50.5	48.5	46	43	38.5	33	26.5	19
EVX 3/8	0.75	1	20			59.5		57.5	55	52	58	43.5	37	29.5	21
EVX 3/9	0.75	1	20			64		64	61.5	58	53.5	48	41	32.5	22.5
EVX 3/10	1.1	1.5	20			75		72.5	70	66.5	61.5	55.5	48	38.5	27
EVX 3/11	1.1	1.5	20			82.5		79.5	76.5	72.5	67	60.5	52	42	29.5
EVX 3/12	1.1	1.5	20			89.5		86	83	78.5	72.5	65	56	45	31.5
EVX 3/13	1.1	1.5	20			96.5		93	89	84.5	78	70	60	47.5	33.5
EVX 3/14	1.5	2	20			105.5		102	98.5	93.5	86.5	78	67.5	54.5	39.5
EVX 3/15	1.5	2	20			112.5		109	105	99.5	92.5	83	71.5	58	41.5
EVX 3/16	1.5	2	20			120		115.5	111.5	105.5	98	88	76	61	43.5
EVX 3/17	1.5	2	20			127		122.5	118	111.5	103.5	93	80	64	45.5
EVX 3/18	2.2	3	20			136.5		132.5	128	121.5	113.5	102.5	89	72.5	53
EVX 3/19	2.2	3	20			144		139.5	134.5	128	119	107.5	93.5	76	55.5
EVX 3/21	2.2	3	20			158.5		153.5	148	140.5	130.5	118	102	83	60
EVX 3/23	2.2	3	20			173		167.5	161.5	153	142	128	110.5	89.5	64.5
EVX 3/25	2.2	3	20			187.5		181	174.5	165.5	153.5	138	119	96	68.5
EVX 3/27	3	4	20			205.5		199.5	193	184	171.5	155	135	110.5	81
EVX 3/29	3	4	20			220		213.5	206.5	196.5	183.5	166	144	117.5	86
EVX 3/31	3	4	20			235		228	220.5	209.5	195	176.5	153	124.5	91
EVX 3/33	3	4	20			249.5		242	234	222	206.5	187	162	131.5	96.5

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

SELECTION CHART EVX 6-10

MOD.	RATED POWER		H1	Q = DELIVERY																			
	KW	HP	BAR	M3/H	0	1	1.5	2	2.5	3	3.5	4	4.5	5	5.4	6	7	8	9	10	11	14	
				LT/MIN	0	16.7	25	33	42	50	58	67	75	83	90	100	117	133	150	167	183	233	
EVX 6/2	0.37	0.55	20		15	15	14.5	14.5	14	13.5	13	12.5	12	11.5	11	10	8						
EVX 6/3	0.37	0.55	20		22.5	22	21.5	21	20.5	19.5	19	18	17	16	15.5	14	11						
EVX 6/4	0.55	0.75	20		29.5	29	28.5	28	27	26	25	24	22.5	21.5	20.5	18.5	14.5						
EVX 6/5	0.75	1	20		37.5	37	36.5	35.5	34.5	33.5	32	30.5	29	27.5	26	24	19						
EVX 6/6	0.75	1	20		44.5	43.5	43	42	41	39.5	37.5	36	34	32.5	30.5	28	22						
EVX 6/7	1.1	1.5	20		52.5	51.5	51.5	50.5	49	47	45	43	41	39	37	34	27						
EVX 6/8	1.1	1.5	20		59.5	58.5	58	57	55	53.5	51	48.5	46.5	44	42	38.5	30.5						
EVX 6/9	1.1	1.5	20		67	65.5	65	63.5	61.5	59	56.5	54	51.5	48.5	46	42.5	33.5						
EVX 6/10	1.5	2	20		75	74	73.5	72	70	67.5	65	62	59	56	53.5	49	39						
EVX 6/11	1.5	2	20		82.5	81	80.5	79	76.5	73.5	71	67.5	64.5	61	58	53.5	42.5						
EVX 6/12	1.5	2	20		89.5	88	87	85.5	83	80	76.5	73	69.5	65.5	62.5	57.5	45.5						
EVX 6/13	1.5	2	20		97	95	94	92	89	86	82	78.5	74.5	70.5	67	61.5	48.5						
EVX 6/14	2.2	3	20		105.5	104.5	103.5	101.5	99	95.5	92	88	83.5	79.5	76	70	56						
EVX 6/15	2.2	3	20		113	111.5	110.5	108.5	105.5	102	98	93.5	89	84.5	80.5	74	59.5						
EVX 6/16	2.2	3	20		120.5	118.5	117.5	115.5	112	108	104	99	94.5	89.5	85.5	78.5	62.5						
EVX 6/17	2.2	3	20		127.5	125.5	124.5	122	118.5	114.5	109.5	105	99.5	94.5	90	83	66						
EVX 6/18	2.2	3	20		135	132.5	131.5	128.5	125	120.5	115.5	110.5	105	99.5	94.5	87	69						
EVX 6/19	2.2	3	20		142	139.5	138	135.5	131.5	126.5	121.5	115.5	110	104	99	91	72						
EVX 6/20	3	4	20		152	150	149	146.5	142.5	138	133	127	121	115	110	101.5	82						
EVX 6/21	3	4	20		159	157.5	156	153.5	149.5	144.5	139	133	127	120.5	115	106	85.5						
EVX 6/23	3	4	20		174	172	170.5	167.5	163	157.5	151.5	144.5	138	131	125	115	92.5						
EVX 6/25	3	4	20		189	188	184.5	180.5	175.5	170	164	157.5	150.5	142.5	135.5	123.5	98.5						
EVX 6/28	4	5.5	20		214	213.5	210	205.5	200.5	194.5	188	181	173.5	164.5	156.5	143	115.5						
EVX 6/30	4	5.5	20		229	228	224.5	220	214	207.5	200.5	193	184.5	175.5	167	152.5	122.5						
EVX 6/33	4	5.5	20		251.5	250.5	246.5	241	234.5	227	219.5	211	201.5	191	182	166	133.5						
EVX 6/36	5.5	7.5	20		275	274	270	264	257.5	249.5	241.5	232.5	222.5	211.5	201.5	184	148.5						
EVX 10/2	0.75	1	20			20					20	19.5	19.5	19	19	18.5	18.5	17.5	17	16	15	13.5	9
EVX 10/3	1.1	1.5	20			30					30	29.5	29.5	29	28.5	28	27.5	26.5	25.5	24	22.5	20.5	13.5
EVX 10/4	1.5	2	20			40.5					40	39.5	39.5	39	38.5	38	37	35.5	34	32.5	30.5	28	18
EVX 10/5	1.5	2	20			50.5					49.5	49	48.5	48	47	46.5	45.5	43.5	41.5	39.5	37	33.5	21.5
EVX 10/6	2.2	3	20			61					60.5	60	59	58.5	57.5	57	56	54	51.58	49	46	42	27.5
EVX 10/7	2.2	3	20			70.5					70	69	68.5	67.5	66.5	66	64.5	62	59.5	56	52.5	48	31
EVX 10/8	3	4	20			81.5					81	80.5	80	79	78	77	75.5	73	70	66.5	62.5	57.5	38
EVX 10/9	3	4	20			91.5					91	90.5	89.5	88.5	87.5	86	84.5	81.5	78	74	69.5	64	42
EVX 10/10	4	5.5	20			102.5					102.5	102	101	100	99	97.5	96	93	89	84.5	79.5	73.5	49
EVX 10/11	4	5.5	20		113					112.5	111.5	111	109.5	108	107	105	101.5	97.5	92.5	87	80.5	53.5	
EVX 10/12	4	5.5	20		123					122.5	121.5	120.5	119	117.5	116.5	114	110	105.5	100.5	94	87	57.5	
EVX 10/13	4	5.5	20		133					132	131	130	128.5	127	125.5	123	118.5	113.5	108	101	93.5	61.5	
EVX 10/15	5.5	7.5	20		153.5					153	152	150.5	149	147	145.5	142.5	138	132	125.5	118	109	72	
EVX 10/17	5.5	7.5	20		173.5					172.5	171.5	169.5	168	165.5	163.5	160.5	155	148.5	141	132.5	122	80.5	
EVX 10/19	7.5	10	20		195					194.5	193.5	191.5	189.5	187.5	185.5	182	176	169	160.5	151	139.5	93	
EVX 10/21	7.5	10	20		215.5					214.5	213	211	209	206	204	200	193.5	185.5	176.5	166	153	101.5	
EVX 10/23	7.5	10	20		235.5					234	232.5	230.5	228	225	222.5	218.5	211	202	192	180.5	166.5	110	
EVX 10/24	11	15	20		248					248.5	247	245.5	243	240.5	238	234	227	218	208	196	182	122.5	

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

SELECTION CHART EVX 15 - 20

MOD.	RATED POWER		Q = DELIVERY												
	KW	HP	M3/H LT/MIN	0	8	10	12	14	16	18	20	22	24	26	28
EVX 15/1	1.1	1.5	H = MT	0	133	167	200	233	266	300	333	367	400	433	467
EVX 15/2	2.2	3		15	13	13	12	12	11	10	9	7	6		
EVX 15/3	3	4		29	26	25	24	23	22	20	17	14	11		
EVX 15/4	4	5.5		44	39	38	37	35	33	30	26	22	17		
EVX 15/5	4	5.5		58	53	51	49	47	44	41	36	30	24		
EVX 15/6	5.5	7.5		73	66	64	61	58	55	50	43	36	29		
EVX 15/7	5.5	7.5		88	80	77	74	71	67	62	54	46	37		
EVX 15/8	7.5	10		102	92	89	86	82	78	71	62	53	42		
EVX 15/9	7.5	10		117	107	103	100	95	90	83	73	62	49		
EVX 15/10	11	15		132	119	116	111	106	101	92	81	69	55		
EVX 15/11	11	15		148	135	131	127	121	115	106	94	81	65		
EVX 15/12	11	15		162	148	144	139	133	127	117	103	89	71		
EVX 15/13	11	15		177	161	157	151	145	138	127	112	96	77		
EVX 15/14	11	15		191	175	169	164	157	149	137	121	103	83		
EVX 15/15	15	20		206	188	182	176	168	159	146	129	111	88		
EVX 15/16	15	20		221	201	196	189	181	172	158	140	120	96		
EVX 15/17	15	20		236	214	208	201	192	183	168	148	127	102		
				250	228	221	213	204	193	178	157	134	107		
EVX20/1	1.1	1.5		16		14	13	13	13	12	11	10	9	8	6
EVX20/2	2.2	3		31		28	27	26	25	24	23	21	18	15	12
EVX20/3	3	4		47		42	41	40	38	37	35	31	28	23	19
EVX20/4	4	5.5		63		56	55	54	52	50	47	43	37	32	26
EVX20/5	5.5	7.5		78		70	69	67	65	62	58	53	47	40	33
EVX20/6	7.5	10		95		87	85	83	80	78	74	68	60	52	43
EVX20/7	7.5	10		110		101	98	96	93	90	85	78	69	60	49
EVX20/8	11	15		127		117	114	112	109	106	101	93	83	72	60
EVX20/9	11	15		143		131	128	126	122	119	113	104	93	81	67
EVX20/10	11	15		158		146	142	139	135	132	125	114	102	89	73
EVX20/11	15	20		174		160	157	153	149	145	137	126	113	98	81
EVX20/12	15	20		190		175	171	167	162	158	149	137	123	107	88
EVX20/13	15	20		205		189	184	180	175	170	161	148	132	115	94
EVX20/14	15	20		221		203	198	194	188	183	173	158	141	122	101
EVX20/15	18.5	25		237		218	213	208	202	196	186	171	152	132	109
EVX20/16	18.5	25		253		232	226	221	215	209	197	181	162	140	115
EVX20/17	18.5	25		268		246	240	235	228	221	209	192	171	148	122

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

SELECTION CHART EVX 30 – 45

MOD.	RATED POWER		Q = DELIVERY												
	KW	HP	M3/H LT/MIN	0	15	18	22	25	30	35	40	45	54	60	65
EVX 30/1	2,2	3	H = MT	0	250	300	367	417	500	583	667	750	900	1000	1083
EVX 30/2-2	4	5,5		24	21	21	20	19	18	16	14	11			
EVX 30/2-1	4	5,5		36	34	33	31	30	27	23	18	13			
EVX 30/2	5,5	7,5		42	39	37	36	34	32	28	23	18			
EVX 30/3-2	5,5	7,5		49	44	43	41	40	37	34	29	24			
EVX 30/3-1	7,5	10		60	55	53	51	48	44	38	32	24			
EVX 30/3	7,5	10		67	60	59	56	54	50	45	38	30			
EVX 30/4-2	7,5	10		73	65	64	61	59	55	50	44	35			
EVX 30/4-1	11	15		85	77	74	71	68	62	55	46	35			
EVX 30/4	11	15		92	83	81	78	76	70	63	55	43			
EVX 30/5-2	11	15		98	88	86	83	81	75	69	60	50			
EVX 30/5-1	11	15		110	100	97	93	90	83	74	63	50			
EVX 30/5	15	20		116	105	102	98	95	88	80	69	55			
EVX 30/6-2	15	20		123	110	107	104	100	94	86	75	62			
EVX 30/6-1	15	20		134	122	119	114	110	102	91	78	62			
EVX 30/6	15	20		140	126	123	119	115	107	99	84	67			
EVX 30/7-2	15	20		147	131	128	124	120	112	102	89	73			
EVX 30/7-1	15	20		158	143	139	134	129	119	107	92	73			
EVX 30/7	18,5	25		164	148	144	139	134	124	113	97	78			
EVX 30/8-2	18,5	25		171	153	149	144	140	130	119	104	85			
EVX 30/8-1	18,5	25		183	165	160	154	149	138	124	106	85			
EVX 30/8	18,5	25		189	169	165	159	154	143	130	112	90			
EVX 30/9-2	22	30		195	174	170	164	159	148	135	117	96			
EVX 30/9-1	22	30		209	189	184	177	171	159	144	125	101			
EVX 30/9	22	30		215	194	189	183	177	165	150	130	106			
EVX 30/10-2	22	30		221	198	194	188	182	170	156	136	112			
EVX 30/10-1	22	30		233	210	205	198	191	178	161	139	112			
EVX 30/10	30	40		239	215	210	203	196	183	167	145	118			
EVX 30/11-2	30	40		247	222	217	210	204	191	175	154	127			
EVX 30/11-1	30	40		258	234	229	221	213	199	181	157	127			
EVX 30/11	30	40		265	239	234	226	218	204	186	162	133			
EVX 30/12-2	30	40		271	244	238	231	224	209	192	168	139			
EVX 30/12-1	30	40		283	256	250	241	233	217	198	171	139			
EVX 30/12	30	40		289	261	255	246	238	223	203	177	145			
EVX 30/13-2	30	40		295	266	260	251	243	228	209	183	151			
EVX 30/13-1	30	40		307	278	271	262	253	236	214	186	151			
EVX 30/13	30	40		313	282	276	267	258	241	220	192	157			
				320	287	281	272	263	248	226	197	163			
EVX 45/1-1	3	4		19	19	19	18	18	18	17	16	15	12	10	8
EVX 45/1	4	5,5		25	24	24	23	23	22	22	21	20	17	16	14
EVX 45/2-2	5,5	7,5		39	38	37	37	36	35	33	31	29	23	19	15
EVX 45/2	7,5	10		49	48	47	46	46	44	43	42	39	34	31	27
EVX 45/3-2	11	15		63	62	62	61	60	58	56	54	50	42	36	30
EVX 45/3	11	15		74	72	71	70	69	67	66	63	60	53	47	41
EVX 45/4-2	15	20		88	86	85	84	82	80	78	74	70	60	51	43
EVX 45/4	15	20		98	96	95	93	92	89	87	84	80	70	62	55
EVX 45/5-2	18,5	25		112	110	109	107	105	102	99	95	89	79	66	56
EVX 45/5	18,5	25		122	120	118	116	114	111	108	105	99	87	77	68
EVX 45/6-2	22	30		138	135	134	131	129	126	122	118	111	96	84	72
EVX 45/6	22	30		148	145	144	141	139	135	132	127	121	106	95	84
EVX 45/7-2	30	40		163	160	158	156	153	150	145	140	132	115	101	88
EVX 45/7	30	40		173	170	168	165	163	159	155	150	143	126	112	99
EVX 45/8-2	30	40		187	184	182	179	176	172	167	161	152	132	117	101
EVX 45/8	30	40		197	194	192	188	186	181	177	171	163	143	128	113
EVX 45/9-2	37	50		212	208	206	202	199	194	189	182	172	150	132	115
EVX 45/9	37	50		222	218	216	212	208	203	198	192	182	160	143	126
EVX 45/10-2	37	50		236	232	229	225	222	216	210	202	192	167	147	128
EVX 45/10	37	50		246	242	239	234	231	225	219	212	202	177	158	139
EVX 45/11-2	45	60		261	257	254	249	246	240	233	225	213	186	165	144
EVX 45/11	45	60		271	267	264	259	255	249	243	235	224	197	176	155
EVX 45/12-2	45	60		286	281	278	273	269	262	255	246	233	203	180	157
EVX 45/12	45	60		296	291	288	282	278	271	264	256	243	214	191	169
EVX 45/13-2	45	60		310	305	301	296	291	284	276	266	253	221	195	170

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

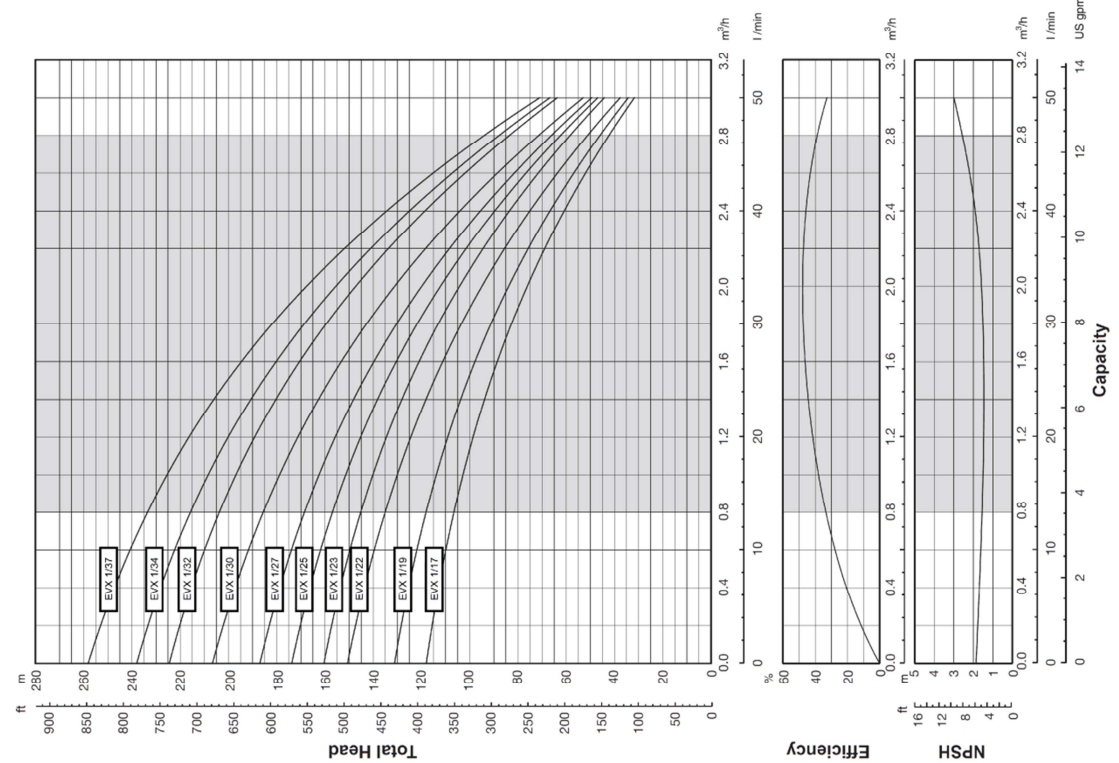
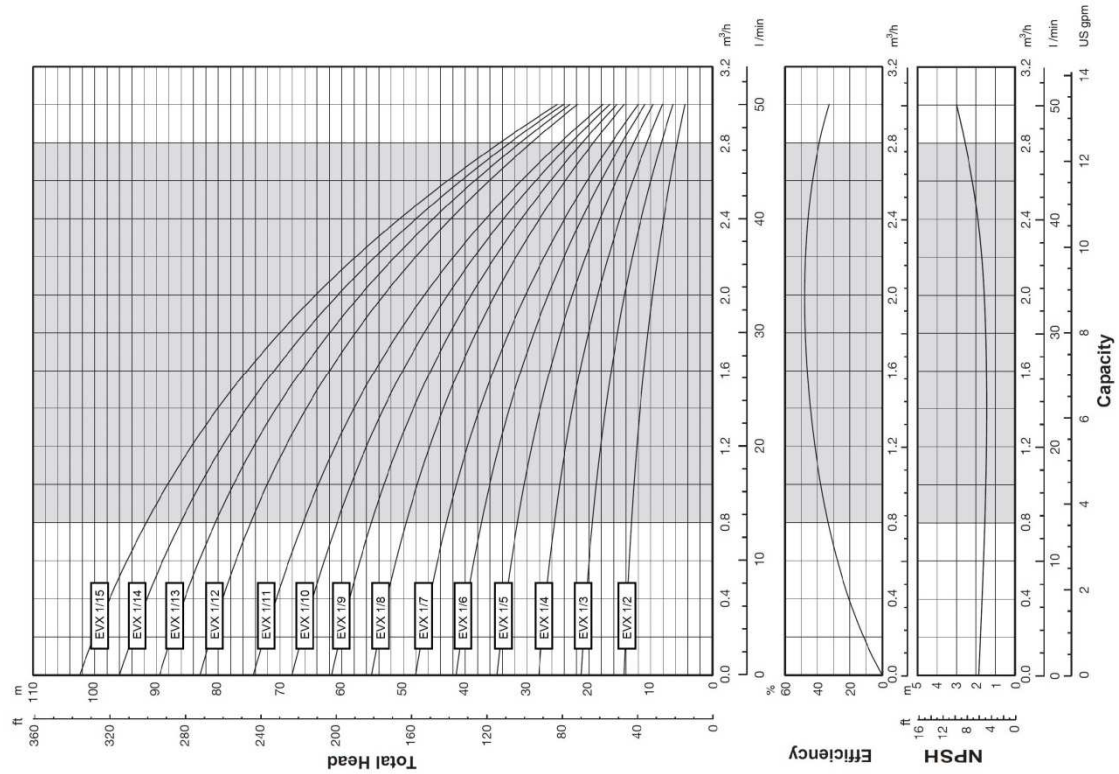
SELECTION CHART EVX 65 – 95

MOD.	RATED POWER		Q = DELIVERY													
			M3/H	0	30	36	42	45	54	60	72	78	85	96	108	118
	KW	HP	LT/MIN	0	500	600	700	750	900	1000	1200	1300	1417	1600	1800	1967
EVX 65/1-1a	4	5.5	H = MT	20	19	19	18	18	17	16	13	11	9			
EVX 65/1	5.5	7.5		28	25	25	24	24	23	22	20	19	17			
EVX 65/2-2a	7.5	10		39	38	37	36	35	33	31	25	22	18			
EVX 65/2-1a	11	15		48	45	44	43	42	40	39	34	31	27			
EVX 65/2	11	15		57	51	50	49	48	46	45	41	39	35			
EVX 65/3-2a	15	20		68	64	62	61	60	57	54	47	42	36			
EVX 65/3-1a	15	20		76	70	68	67	66	63	61	54	50	43			
EVX 65/3	18.5	25		85	76	74	73	72	69	67	62	58	52			
EVX 65/4-2a	18.5	25		96	89	86	84	83	79	76	66	61	52			
EVX 65/4-1a	22	30		105	96	94	92	91	87	84	76	70	62			
EVX 65/4	22	30		114	103	100	98	97	93	91	83	78	70			
EVX 65/5-2a	30	40		125	116	113	111	109	105	101	90	83	73			
EVX 65/5-1a	30	40		134	123	119	117	115	111	108	98	91	81			
EVX 65/5	30	40		142	129	126	123	121	117	114	105	99	89			
EVX 65/6-2a	30	40		153	142	138	135	133	128	123	110	102	90			
EVX 65/6-1a	37	50		162	148	144	141	139	134	130	118	110	98			
EVX 65/6	37	50		170	154	150	147	145	140	136	125	118	106			
EVX 65/7-2a	37	50		182	167	163	159	157	150	145	131	121	107			
EVX 65/7-1a	37	50		190	173	169	165	163	156	152	138	129	115			
EVX 65/7	45	60		199	181	176	172	170	164	160	147	138	124			
EVX 65/8-2a	45	60		210	193	188	184	182	174	169	152	142	125			
EVX 65/8-1a	45	60		219	200	194	190	188	180	175	160	149	133			
EVX 65/8	45	60		227	206	200	196	194	186	182	167	157	141			
EVX 95/1-1a	5.5	7.5		22				21	21	20	19	18	17	14	10	7
EVX 95/1	7.5	10		31				28	26	26	24	24	22	20	17	14
EVX 95/2-2a	11	15		45				43	42	41	39	37	34	29	22	15
EVX 95/2	15	20		62				56	53	52	49	48	45	41	35	29
EVX 95/3-2a	18.5	25		76				71	68	67	63	60	56	49	39	29
EVX 95/3	22	30		94				84	81	78	74	72	69	63	54	44
EVX 95/4-2a	30	40		108				100	97	95	89	86	81	72	59	46
EVX 95/4	30	40		126				113	108	105	100	97	93	84	72	60
EVX 95/5-2a	37	50		139				128	124	120	114	109	104	92	76	60
EVX 95/5	37	50		156				140	135	131	124	120	115	105	89	74
EVX 95/6-2a	45	60		171				156	151	147	139	134	127	114	95	76
EVX 95/6	45	60		188				169	162	157	149	145	139	126	108	90

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

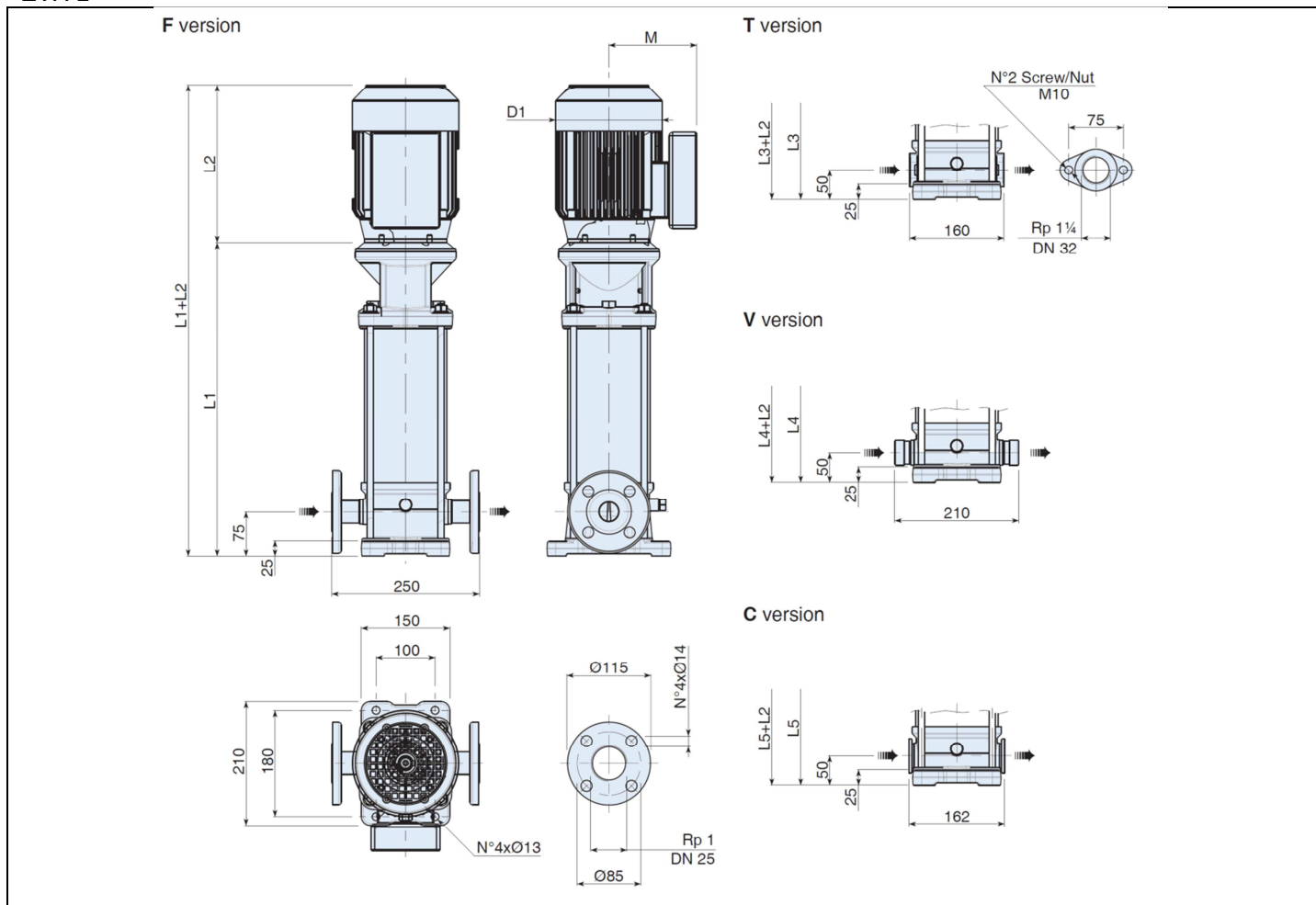
EVX 1



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 1

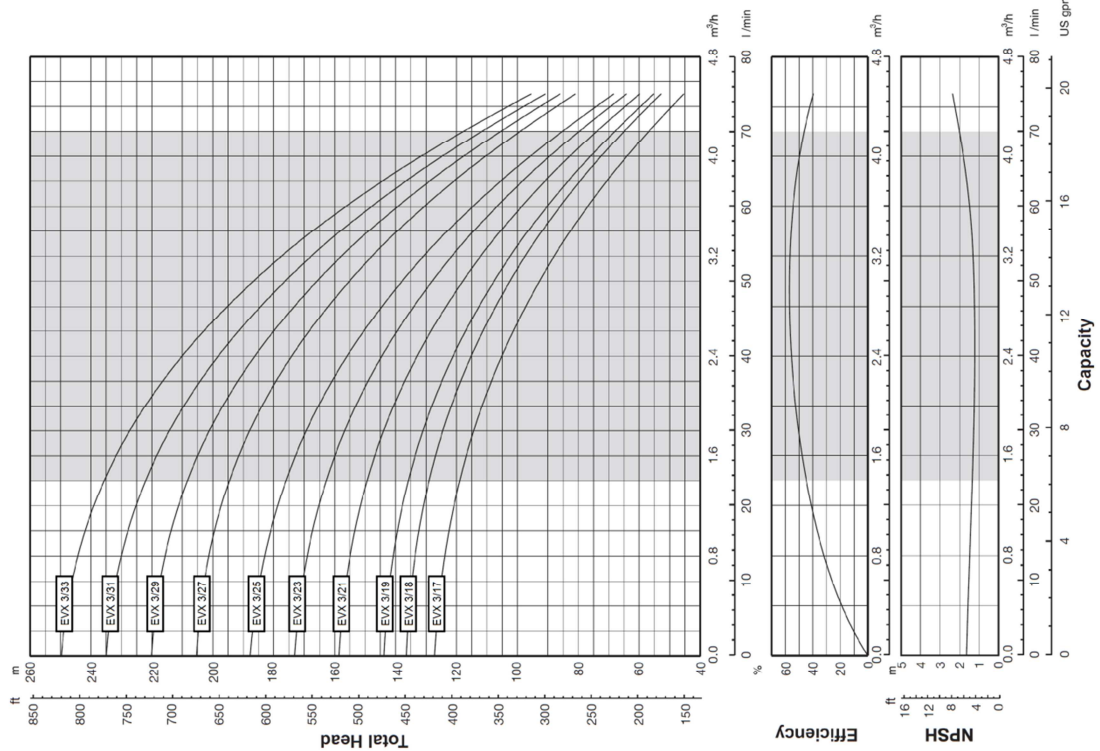
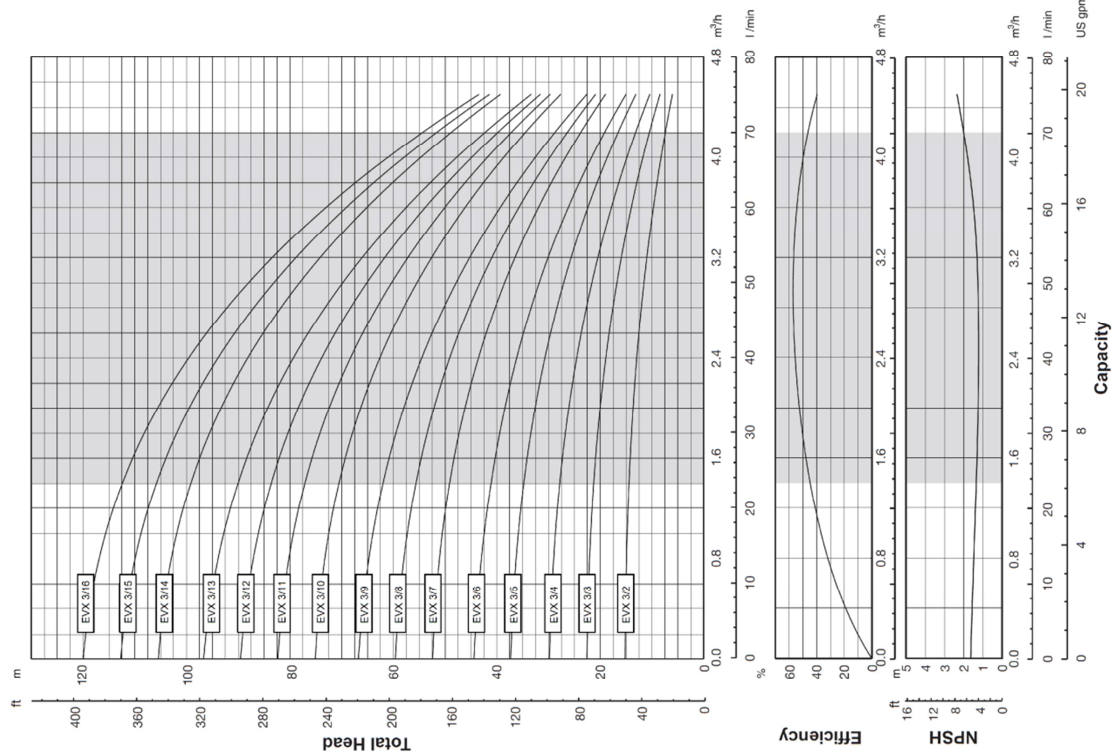


TYPE	MOTOR		L1	L2		L3	L4	L5	M		D1		WEIGHT	
	KW	SIZE		SINGLE PH	THREE PH.				1-PH.	3-PH.	1-PH.	3-PH.	PUMP	EL. PUMP
EVX 1/2	0.37	71	312,5	215	215	287,5	287,5	287,5	129	112	142	142	15	20,8
EVX 1/3	0.37	71	335	215	215	310	310	310	129	112	142	142	15	20,8
EVX 1/4	0.37	71	357,5	215	215	332,5	332,5	332,5	129	112	142	142	15,5	21,3
EVX 1/5	0.37	71	380	215	215	355	355	355	129	112	142	142	16	21,8
EVX 1/6	0.37	71	402,5	215	215	377,5	377,5	377,5	129	112	142	142	16,5	22,3
EVX 1/7	0.37	71	425	215	215	400	400	400	129	112	142	142	17	22,8
EVX 1/8	0.55	71	447,5	215	215	422,5	422,5	422,5	129	112	142	142	17,5	23,7
EVX 1/9	0.55	71	470	215	215	445	445	445	129	112	142	142	18	24,2
EVX 1/10	0.55	71	492,5	215	215	467,5	467,5	467,5	129	112	142	142	18,5	24,7
EVX 1/11	0.55	71	515	215	215	490	490	490	129	112	142	142	19	25,2
EVX 1/12	0.75	80	537,5	232	232	512,5	512,5	512,5	150	129	160	160	19,5	29
EVX 1/13	0.75	80	560	232	232	535	535	535	150	129	160	160	20	29,5
EVX 1/14	0.75	80	582,5	232	232	557,5	557,5	557,5	150	129	160	160	20,5	30
EVX 1/15	0.75	80	605	232	232	580	580	580	150	129	160	160	21	30,5
EVX 1/17	1.1	80	650	232	232	625	625	625	150	129	160	160	22	33,1
EVX 1/19	1.1	80	695	232	232	670	670	670	150	129	160	160	22,5	33,6
EVX 1/22	1.1	80	762,5	232	232	737,5	737,5	737,5	150	129	160	160	24	35,1
EVX 1/23	1.5	90	795	267	267	770	770	770	160	138	180	180	25	39
EVX 1/25	1.5	90	840	267	267	-	815	815	160	138	180	180	26	40
EVX 1/27	1.5	90	885	267	267	-	860	860	160	138	180	180	27	41
EVX 1/30	1.5	90	952,5	267	267	-	927,5	927,5	160	138	180	180	28,5	42,5
EVX 1/32	2.2	90	997,5	267	267	-	972,5	972,5	160	138	180	180	29	45
EVX 1/34	2.2	90	1042,5	267	267	-	1017,5	1017,5	160	138	180	180	30	46
EVX 1/37	2.2	90	1110	267	267	-	1085	1085	160	138	180	180	31,5	47,5

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

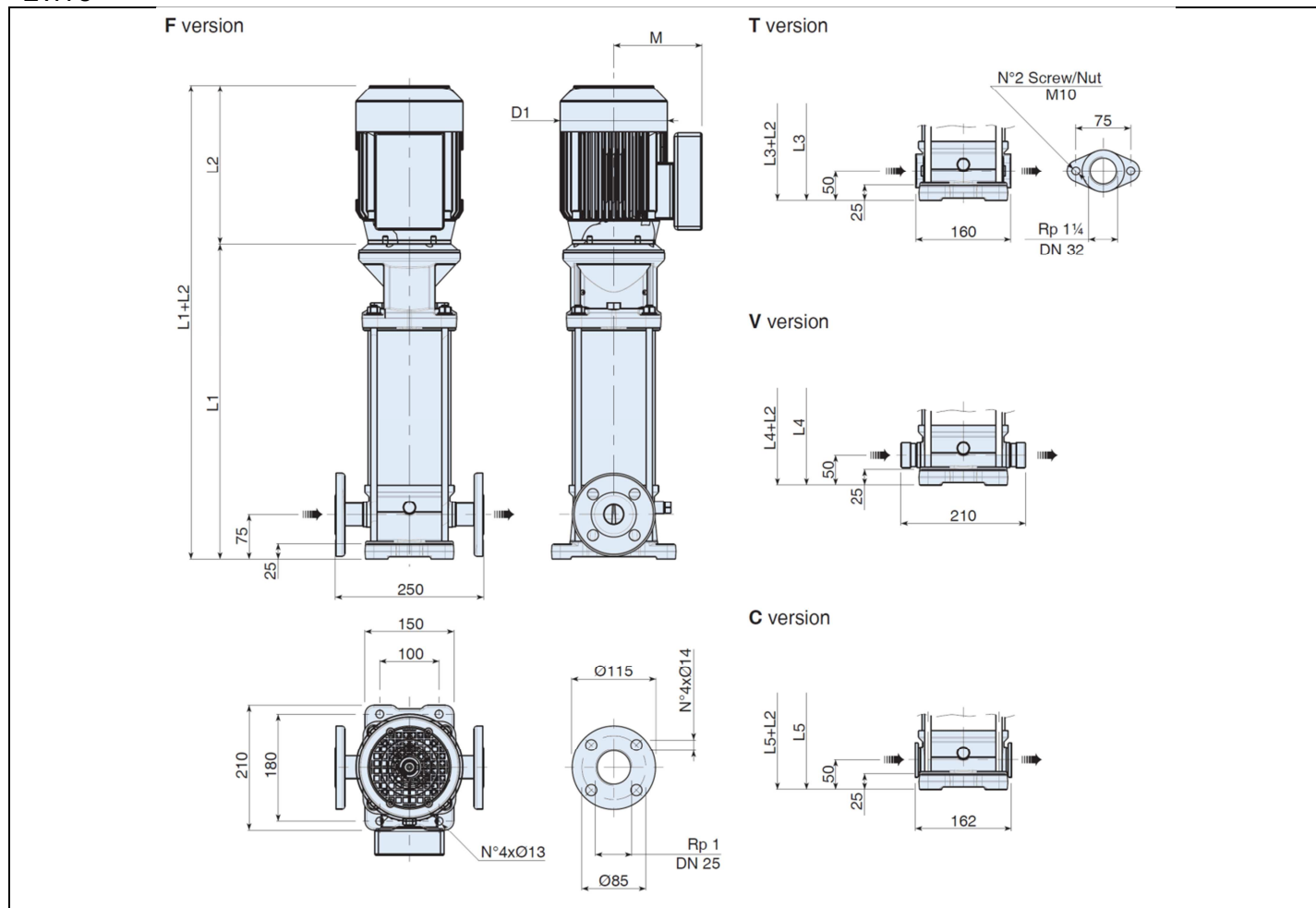
EVX 3



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 3

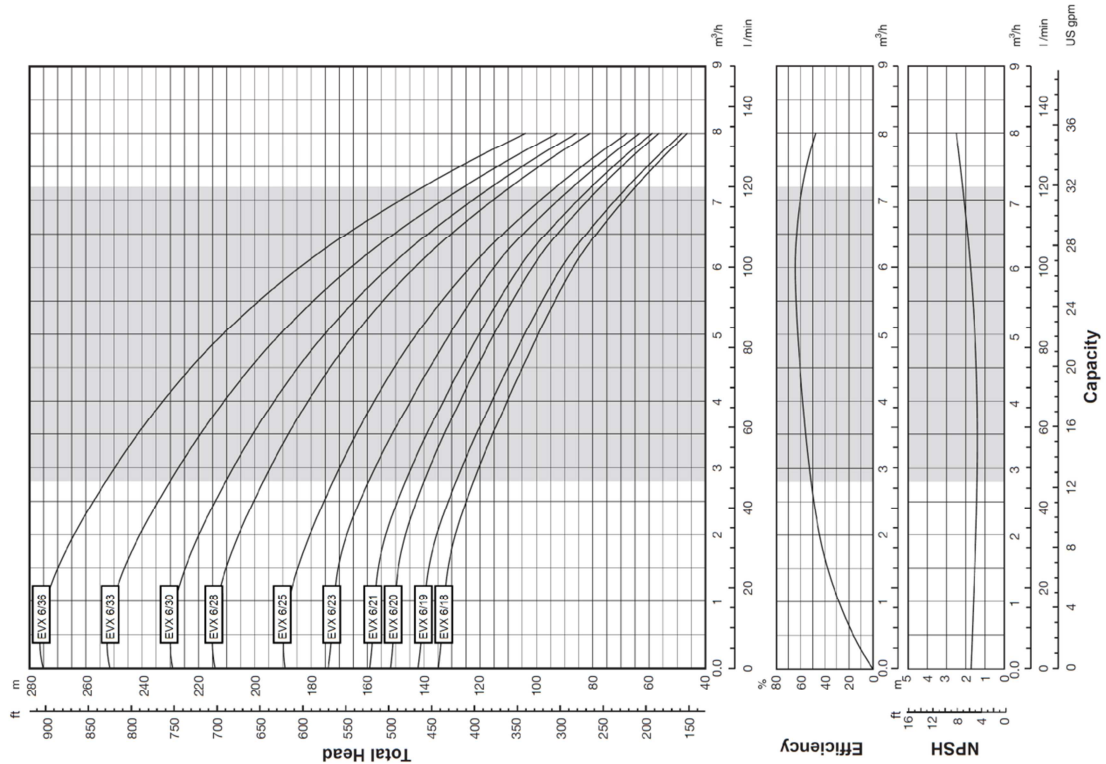
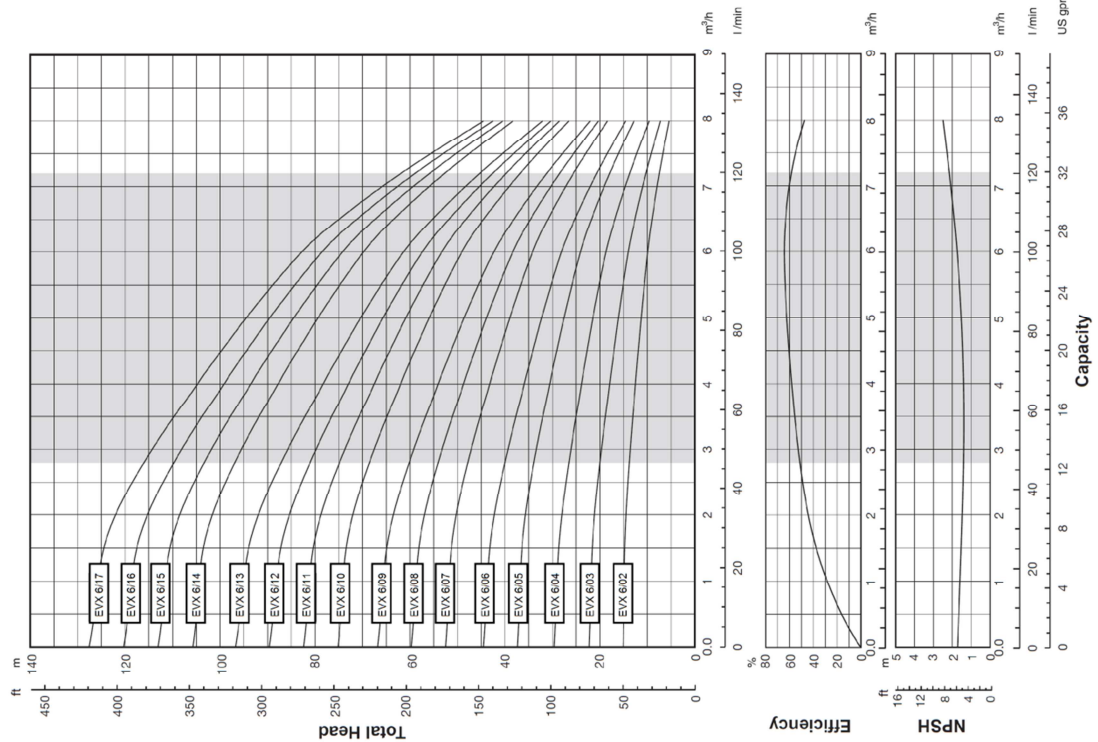


TYPE	MOTOR		L1	L2		L3	L4	L5	M		D1		WEIGHT	
	KW	SIZE		SINGLE PH	THREE PH.				1-PH.	3-PH.	1-PH.	3-PH.	PUMP	EL. PUMP
EVX 3/2	0.37	71	312,5	215	215	287,5	287,5	287,5	129	112	142	142	15	20,8
EVX 3/3	0.37	71	335	215	215	310	310	310	129	112	142	142	15	20,8
EVX 3/4	0.37	71	357,5	215	215	332,5	332,5	332,5	129	112	142	142	15,5	21,3
EVX 3/5	0.55	71	380	215	215	355	355	355	129	112	142	142	16	22,2
EVX 3/6	0.55	71	402,5	215	215	377,5	377,5	377,5	129	112	142	142	16,5	22,7
EVX 3/7	0.75	80	425	232	232	400	400	400	150	129	160	160	17	26,5
EVX 3/8	0.75	80	447,5	232	232	422,5	422,5	422,5	150	129	160	160	17,5	27
EVX 3/9	0.75	80	470	232	232	445	445	445	150	129	160	160	18	27,5
EVX 3/10	1.1	80	492,5	232	232	467,5	467,5	467,5	150	129	160	160	18,5	29,6
EVX 3/11	1.1	80	515	232	232	490	490	490	150	129	160	160	19	30,1
EVX 3/12	1.1	80	537,5	232	232	512,5	512,5	512,5	150	129	160	160	19,5	30,6
EVX 3/13	1.1	80	560	232	232	535	535	535	150	129	160	160	20	31,1
EVX 3/14	1.5	90	592,5	267	267	567,5	567,5	567,5	160	138	180	180	21	35
EVX 3/15	1.5	90	615	267	267	590	590	590	160	138	180	180	21,5	35,5
EVX 3/16	1.5	90	637,5	267	267	612,5	612,5	612,5	160	138	180	180	22	36
EVX 3/17	1.5	90	660	267	267	635	635	635	160	138	180	180	22,5	36,5
EVX 3/18	2.2	90	682,5	267	267	657,5	657,5	657,5	160	138	180	180	23	39
EVX 3/19	2.2	90	705	267	267	680	680	680	160	138	180	180	23,5	39,5
EVX 3/21	2.2	90	750	267	267	725	725	725	160	138	180	180	24	40
EVX 3/23	2.2	90	795	267	267	-	770	770	160	138	180	180	25	41
EVX 3/25	2.2	90	840	267	267	-	815	815	160	138	180	180	26	42
EVX 3/27	3	100	895	-	290	-	870	870	-	138	-	180	27,5	45,5
EVX 3/29	3	100	940	-	290	-	915	915	-	138	-	180	28,5	46,5
EVX 3/31	3	100	985	-	290	-	960	960	-	138	-	180	29,5	47,5
EVX 3/33	3	100	1030	-	290	-	1005	1005	-	138	-	180	30,5	48,5

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

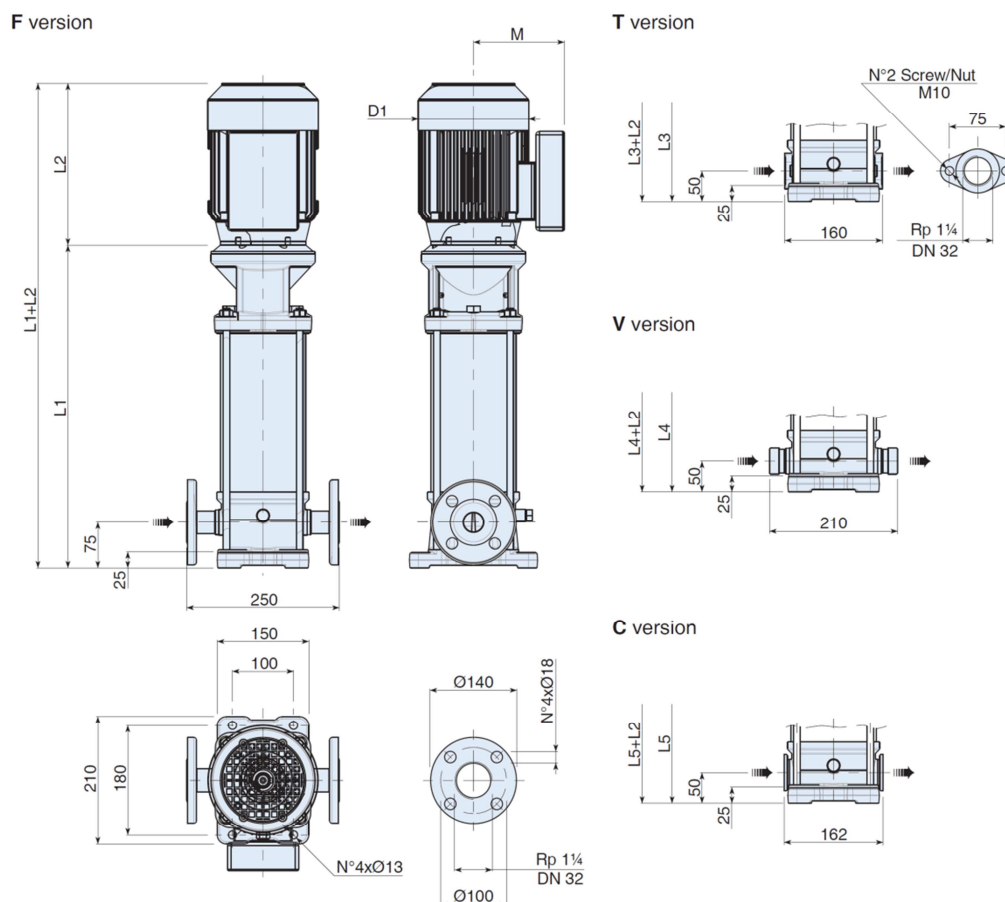
EVX 6



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 6

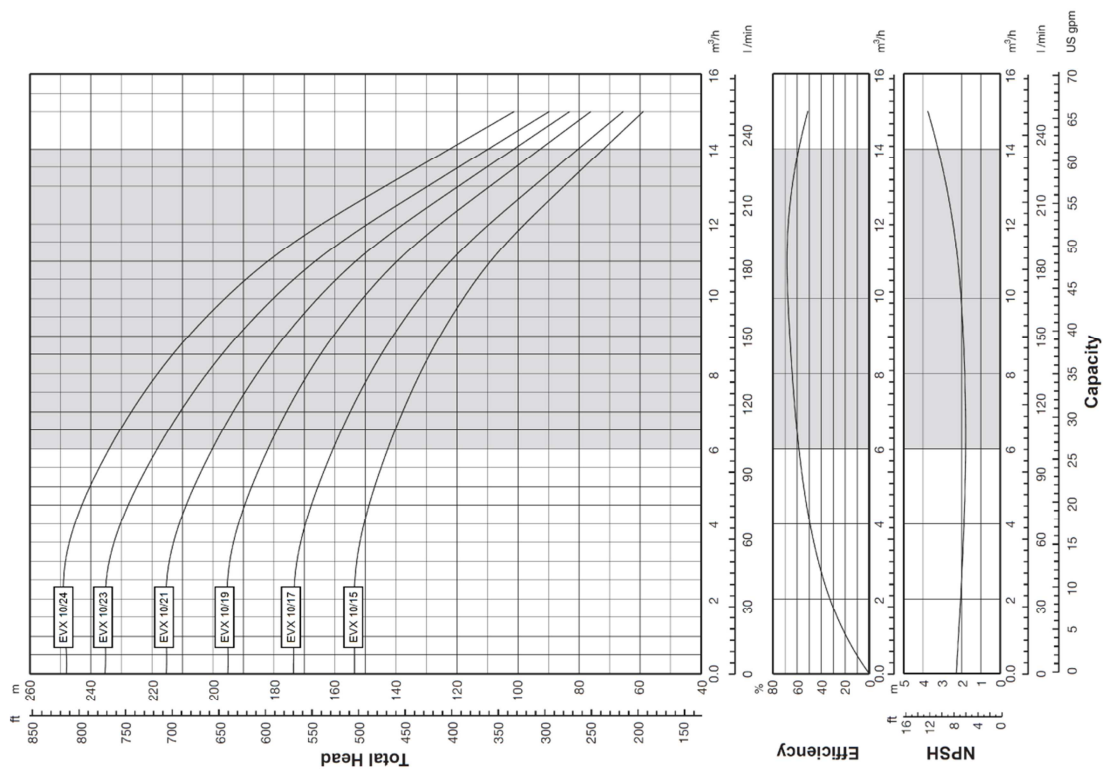
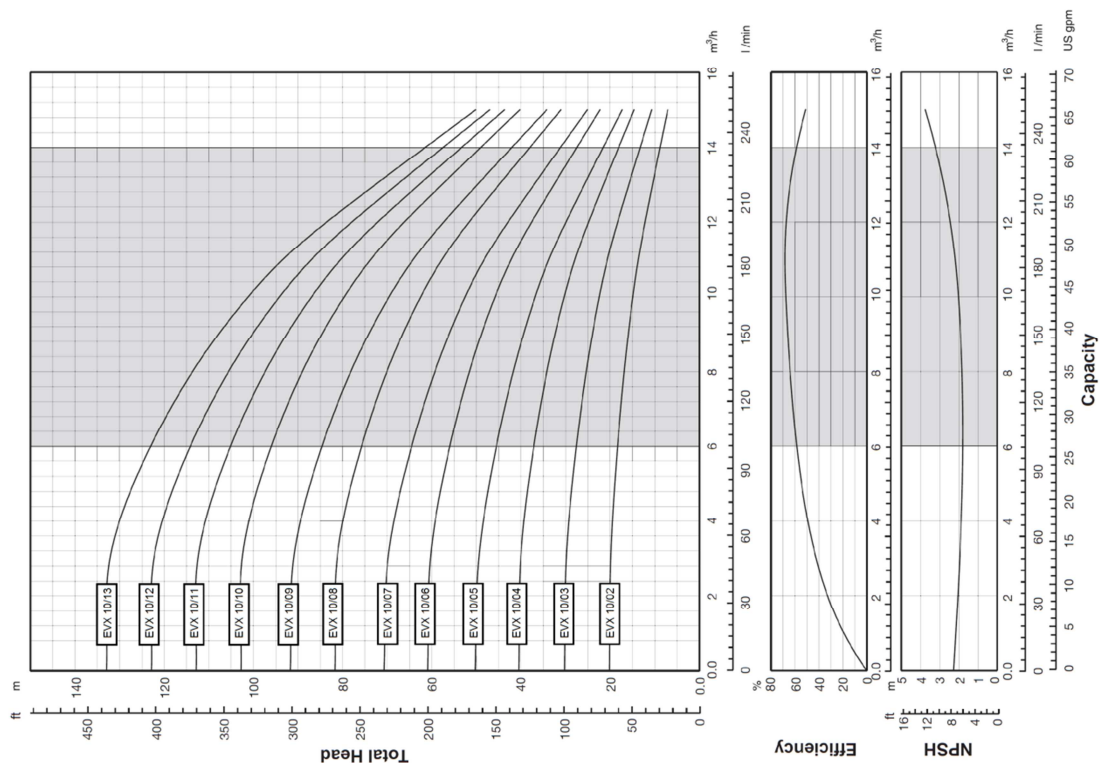


TYPE	MOTOR		L1	L2		L3	L4	L5	M		D1		WEIGHT	
	KW	SIZE		SINGLE PH	THREE PH.				1-PH.	3-PH.	1-PH.	3-PH.	PUMP	EL. PUMP
EVX 6/2	0.37	71	319,5	215	215	294,5	294,5	294,5	129	112	142	142	15	20,8
EVX 6/3	0.37	71	345,5	215	215	320,5	320,5	320,5	129	112	142	142	15,5	21,3
EVX 6/4	0.55	71	371,5	215	215	346,5	346,5	346,5	129	112	142	142	16	22,2
EVX 6/5	0.75	80	397,5	232	232	372,5	372,5	372,5	150	129	160	160	16,5	26
EVX 6/6	0.75	80	423,5	232	232	398,5	398,5	398,5	150	129	160	160	17,5	27
EVX 6/7	1.1	80	449,5	232	232	424,5	424,5	424,5	150	129	160	160	18	29,1
EVX 6/8	1.1	80	475,5	232	232	450,5	450,5	450,5	150	129	160	160	18,5	29,6
EVX 6/9	1.1	80	501,5	232	232	476,5	476,5	476,5	150	129	160	160	19	30,1
EVX 6/10	1.5	90	537,5	267	267	512,5	512,5	512,5	160	138	180	180	20	34
EVX 6/11	1.5	90	563,5	267	267	538,5	538,5	538,5	160	138	180	180	20,5	24,5
EVX 6/12	1.5	90	589,5	267	267	564,5	564,5	564,5	160	138	180	180	21	35
EVX 6/13	1.5	90	615,5	267	267	590,5	590,5	590,5	160	138	180	180	21,5	35,5
EVX 6/14	2.2	90	641,5	267	267	616,5	616,5	616,5	160	138	180	180	22	38
EVX 6/15	2.2	90	667,5	267	267	642,5	642,5	642,5	160	138	180	180	22,5	38,5
EVX 6/16	2.2	90	693,5	267	267	668,5	668,5	668,5	160	138	180	180	23	39
EVX 6/17	2.2	90	719,5	267	267	694,5	694,5	694,5	160	138	180	180	23,5	39,5
EVX 6/18	2.2	90	745,5	267	267	720,5	720,5	720,5	160	138	180	180	24	40
EVX 6/19	2.2	90	771,5	267	267	746,5	746,5	746,5	160	138	180	180	24,5	40,5
EVX 6/20	3	100	807,5	-	290	782,5	782,5	782,5	160	138	180	180	25,5	43,5
EVX 6/21	3	100	833,5	-	290	808,5	808,5	808,5	160	138	180	180	26	44
EVX 6/23	3	100	885,5	-	290	-	860,5	860,5	-	138	-	180	27	45
EVX 6/25	3	100	937,5	-	290	-	912,5	912,5	-	138	-	180	28,5	46,5
EVX 6/28	4	112	1015,5	-	306	-	990,5	990,5	-	145	-	196	30	56,5
EVX 6/30	4	112	1067,5	-	306	-	1042,5	1042,5	-	145	-	196	31	57,5
EVX 6/33	4	112	1145,5	-	306	-	1120,5	1120,5	-	145	-	196	32,5	59
EVX 6/36	5.5	112	-	-	306	-	1374	-	-	160	-	225	53,5	67,1

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

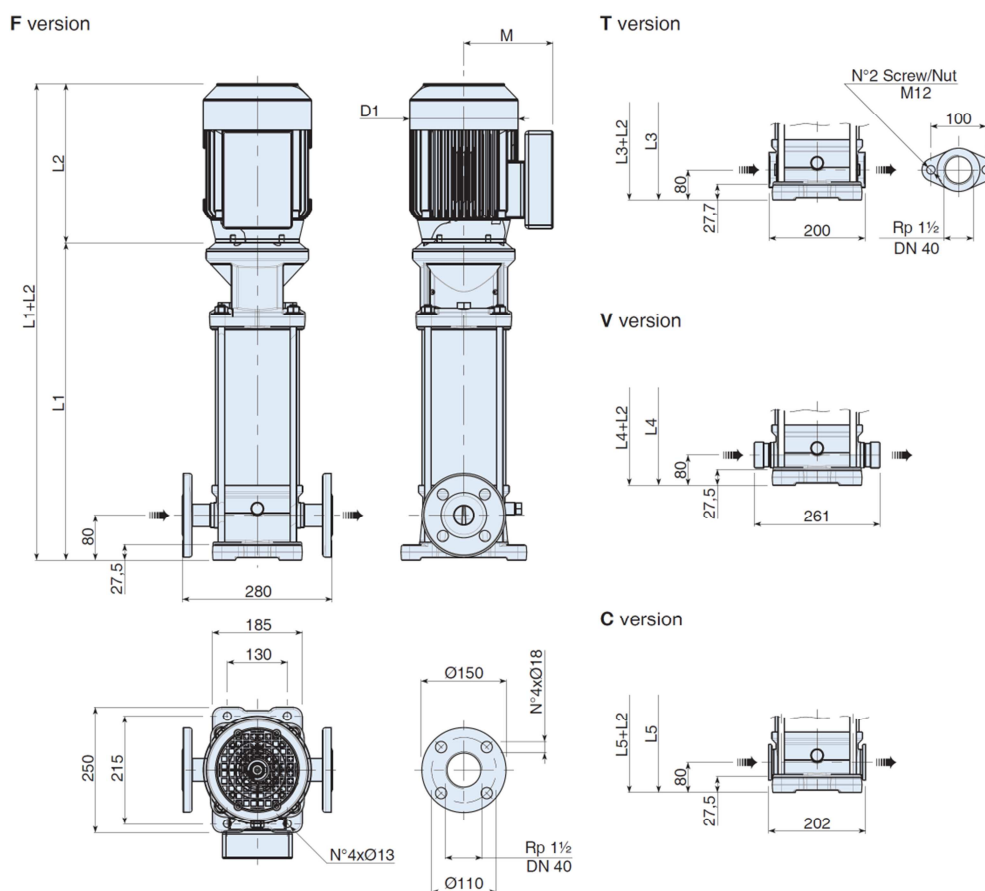
EVX 10



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 10

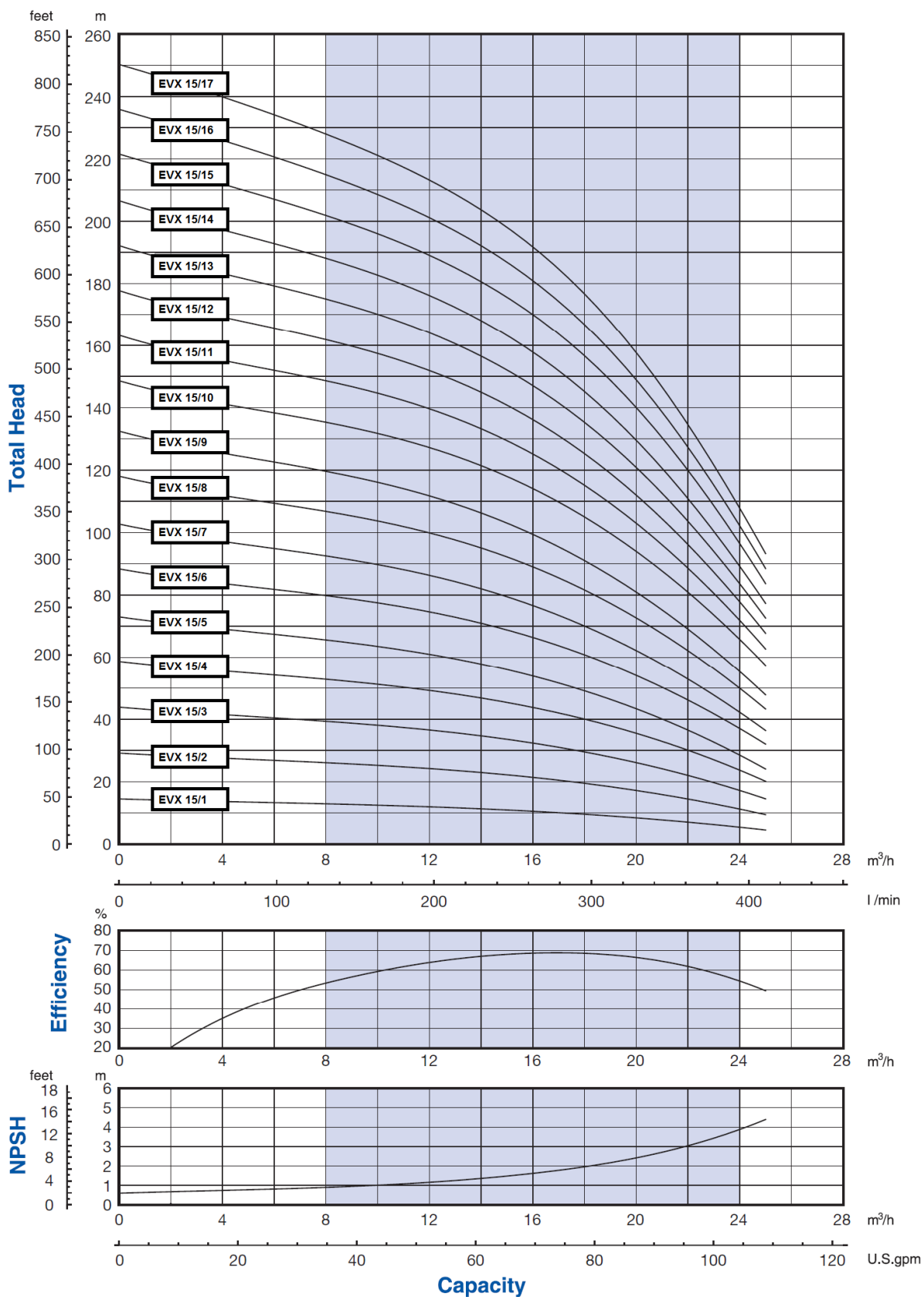


TYPE	MOTOR		L1	L2		L3	L4	L5	M		D1		WEIGHT	
	KW	SIZE		SINGLE PH	THREE PH.				1-PH.	3-PH.	1-PH.	3-PH.	PUMP	EL. PUMP
EVX 10/2	0.75	80	347,5	232	232	347,5	347,5	347,5	150	129	160	160	17,5	27
EVX 10/3	1.1	80	377,5	232	232	377,5	377,5	377,5	150	129	160	160	18	29,1
EVX 10/4	1.5	90	417,5	267	267	417,5	417,5	417,5	160	138	180	180	19,5	33,5
EVX 10/5	1.5	90	447,5	267	267	447,5	447,5	447,5	160	138	180	180	20	34
EVX 10/6	2.2	90	477,5	267	267	477,5	477,5	477,5	160	138	180	180	20,5	36,5
EVX 10/7	2.2	90	507,5	267	267	507,5	507,5	507,5	160	138	180	180	21	37
EVX 10/8	3	100	547,5		290	547,5	547,5	547,5		138		180	22,5	40,5
EVX 10/9	3	100	577,5		290	577,5	577,5	577,5		138		180	23	41
EVX 10/10	4	112	607,5		306	607,5	607,5	607,5		145		196	24	50,5
EVX 10/11	4	112	637,5		306	637,5	637,5	637,5		145		196	24,5	51
EVX 10/12	4	112	667,5		306	667,5	667,5	667,5		145		196	25	51,5
EVX 10/13	4	112	697,5		306	697,5	697,5	697,5		145		196	26	52,5
EVX 10/15	5.5	132	933		328	933	933	933		161		225	46,5	80,1
EVX 10/17	5.5	132	993		328	-	993	993		161		225	48	81,6
EVX 10/19	7.5	132	1053		328	-	1053	1053		161		225	49	85
EVX 10/21	7.5	132	1113		328	-	1113	1113		161		225	50,5	86,5
EVX 10/23	7.5	132	1173		328	-	1173	1173		161		225	52	88
EVX 10/24	11	160	1223		425	-	1223	1223		198		248	55	114

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 15

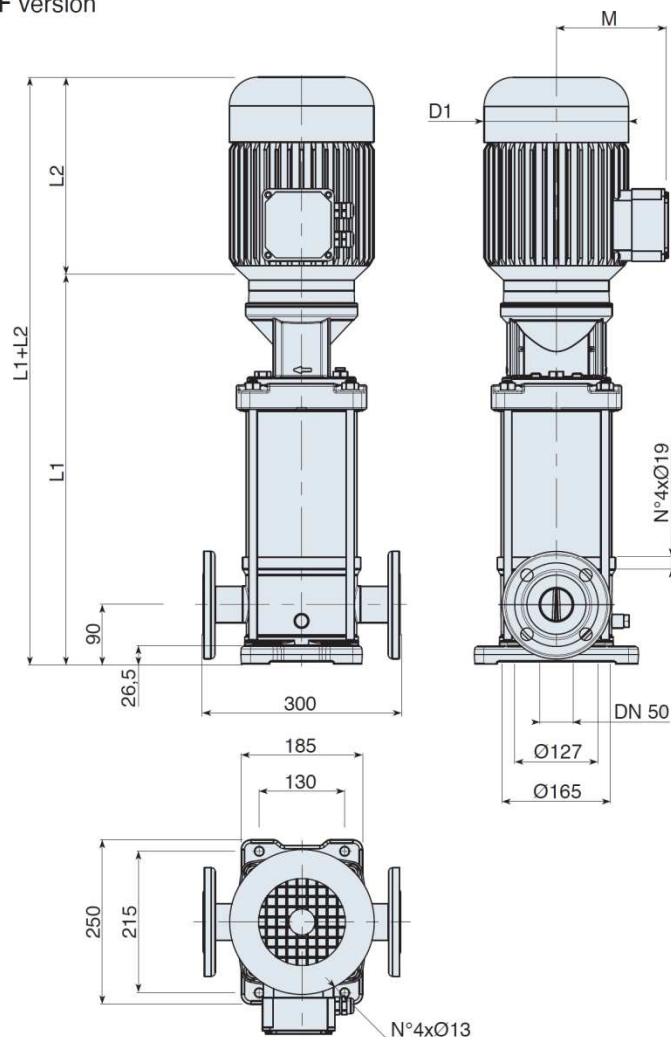


SERIES EVX

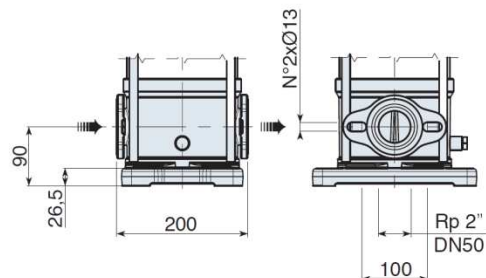
STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 15

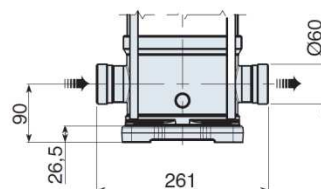
F version



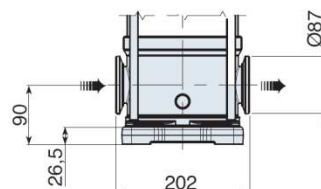
T version



V version



C version

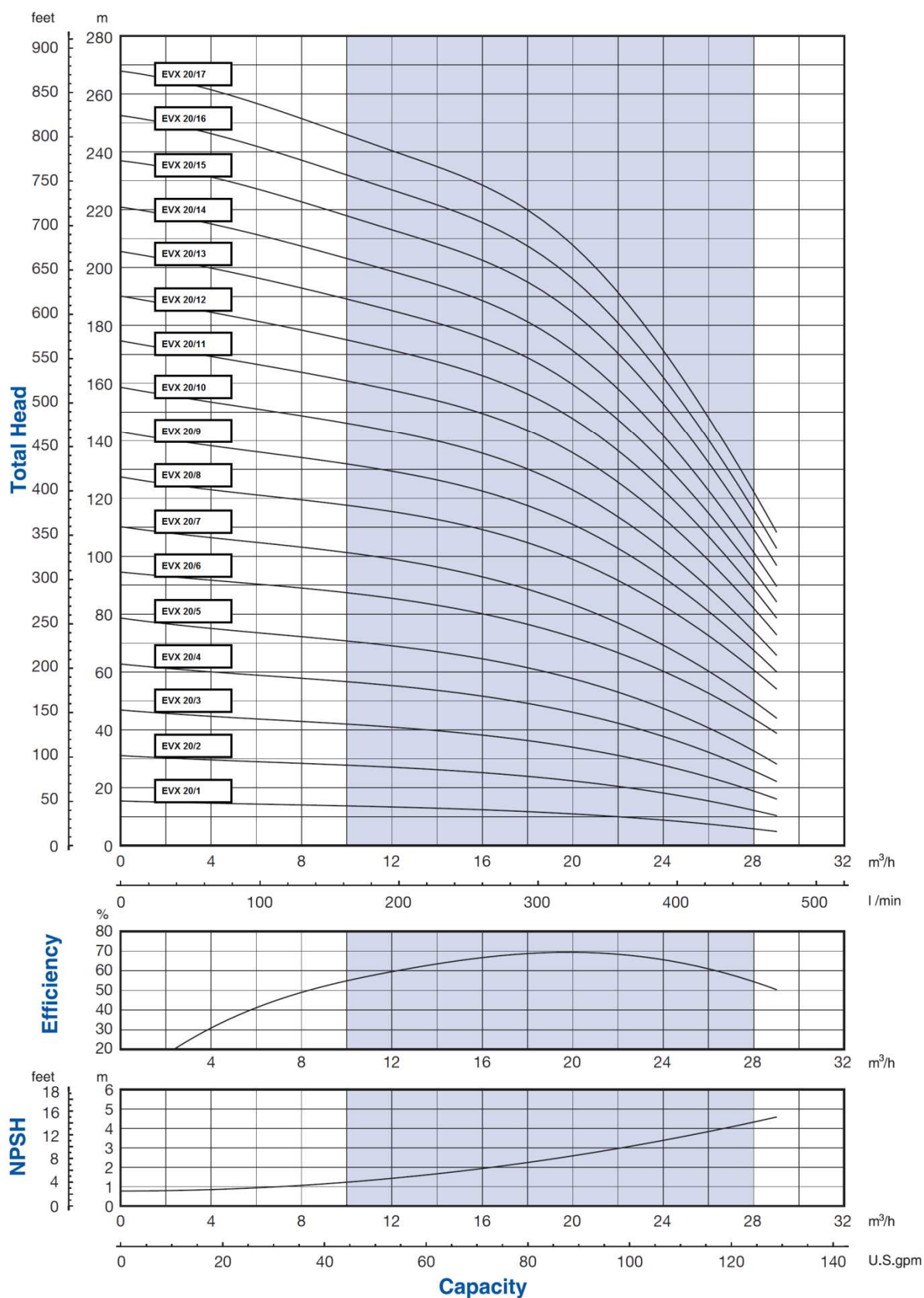


TYPE	MOTOR		L1	L2	M		D1		D2	WEIGHT	
	KW	SIZE			SINGLE-PH.	THREE-PH.	SINGLE-PH.	THREE-PH.		PUMP	EL. PUMP
EVX 15/1	1.1	80	405	232	150	129	160	160	170	23,5	35,5
EVX 15/2	2.2	90	415	267	160	138	180	180	170	25	41
EVX 15/3	3	100	473	267		138		180	170	27	45,7
EVX 15/4	4	112	521	306		145		196	170	28,5	51,3
EVX 15/5	4	112	569	306		145		196	170	30	52,8
EVX 15/6	5.5	132	804	328		161		225	300	52	86
EVX 15/7	5.5	132	852	328		161		225	300	53	87
EVX 15/8	7.5	132	900	350		161		225	300	54,5	90,5
EVX 15/9	7.5	132	948	350		161		225	300	56	92
EVX 15/10	11	160	1016	425		198		248	350	60	118
EVX 15/11	11	160	1064	425		198		248	350	61,5	119,5
EVX 15/12	11	160	1112	425		198		248	350	63	121
EVX 15/13	11	160	1160	425		198		248	350	54,5	122,5
EVX 15/14	11	160	1208	425		198		248	350	66	124
EVX 15/15	15	160	1256	476		198		248	350	67	131
EVX 15/16	15	160	1304	476		198		248	350	68,5	132,5
EVX 15/17	15	160	1352	476		198		248	350	70	134

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

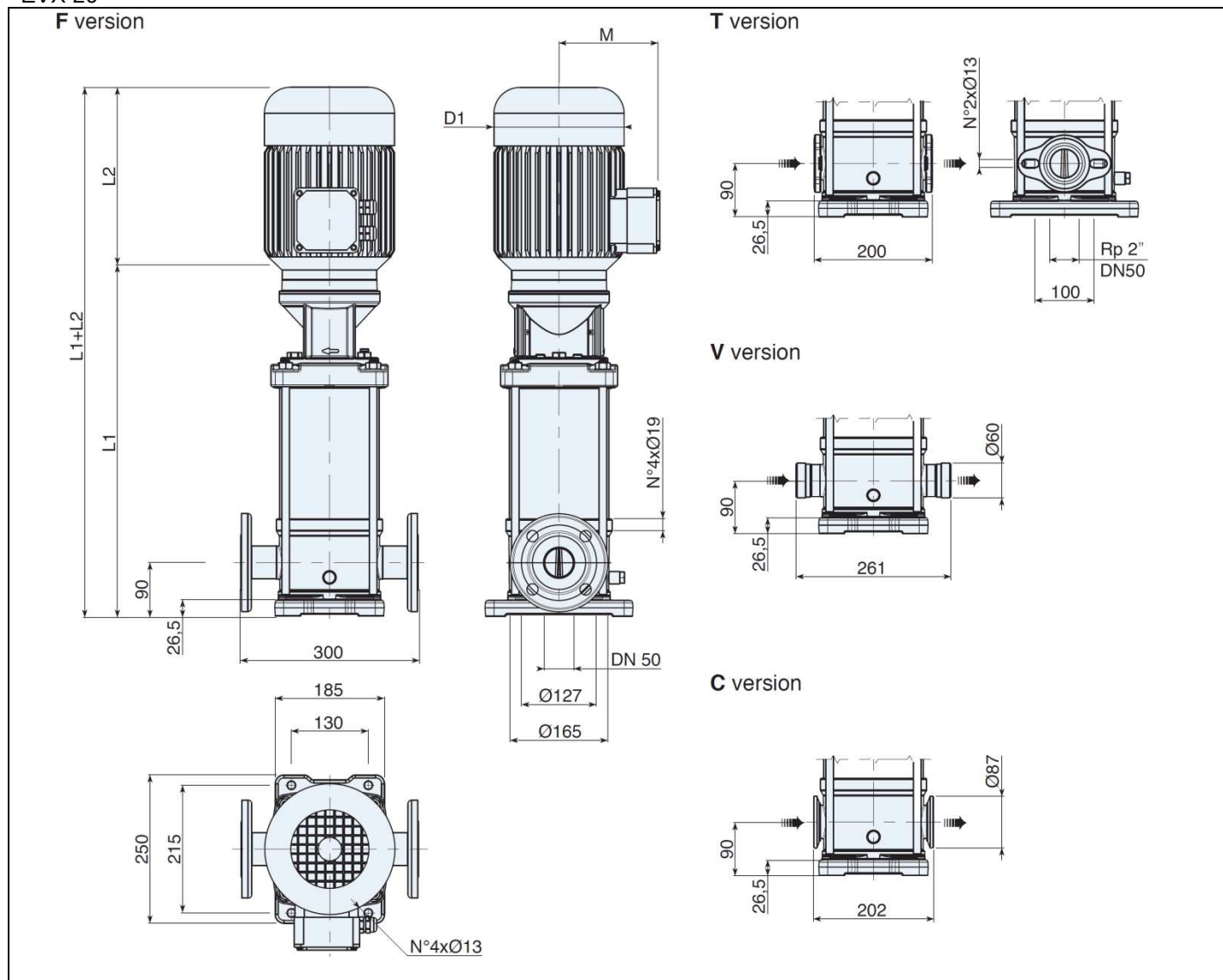
EVX 20



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 20

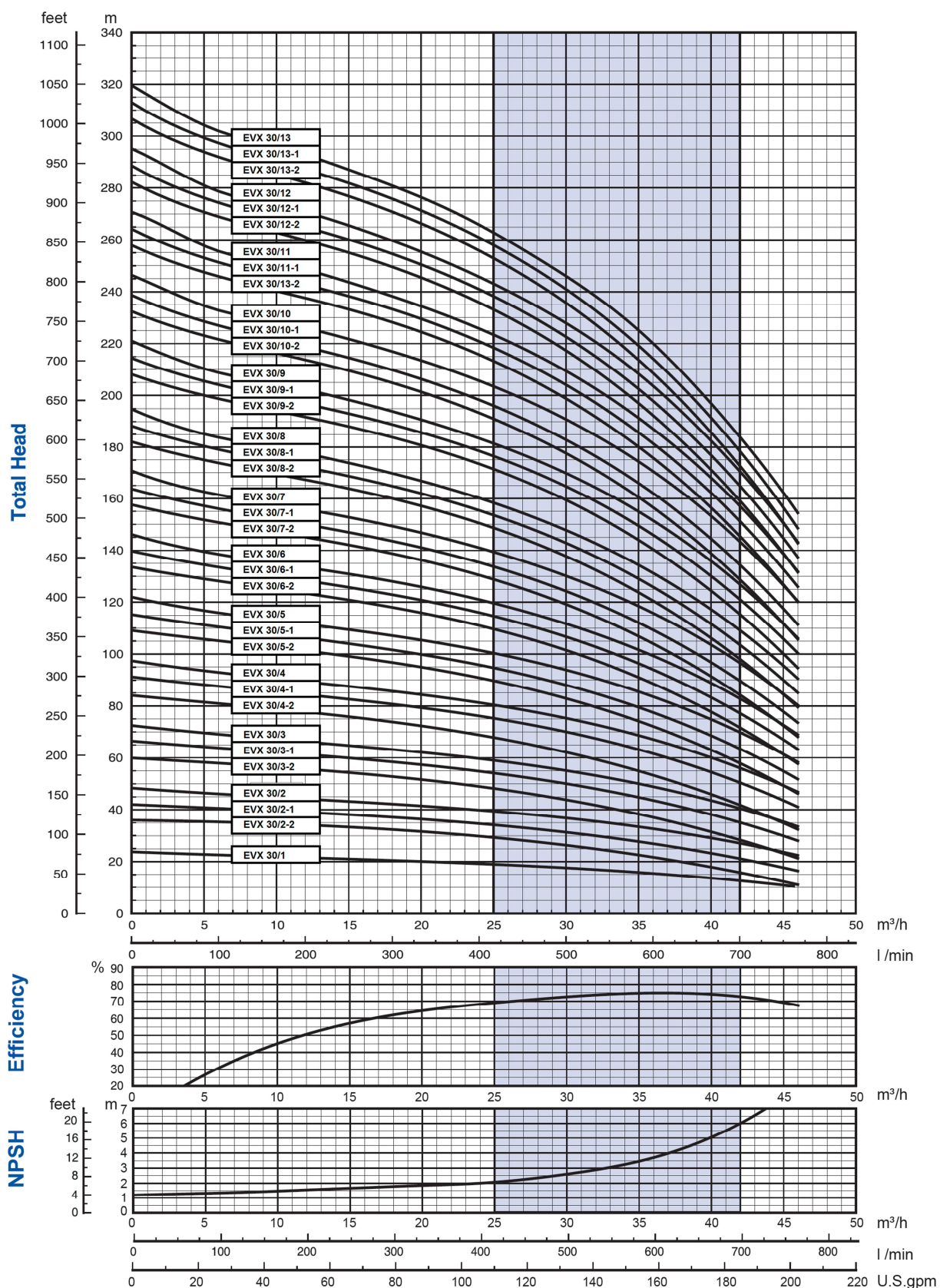


TYPE	MOTOR		L1	L2	M		D1		D2	WEIGHT	
	KW	SIZE			SINGLE-PH.	THREE-PH.	SINGLE-PH.	THREE-PH.		PUMP	EL. PUMP
EVX20/1	1.1	80	405	232	150	129	160	160	170	23,5	35,5
EVX20/2	2.2	90	415	267	160	138	180	180	170	25,5	41,5
EVX20/3	3	112	473	306		145		196	170	27	49,8
EVX20/4	4	132	708	328		161		225	300	49	83
EVX20/5	5.5	132	756	328		161		225	300	50,5	84,5
EVX20/6	7.5	132	804	350		161		225	300	52	88
EVX20/7	7.5	132	852	350		161		225	300	53	89
EVX20/8	11	160	920	425		198		248	350	57,5	115,5
EVX20/9	11	160	968	425		198		248	350	59	117
EVX20/10	11	160	1016	425		198		248	350	60,5	118,5
EVX20/11	15	160	1064	476		198		248	350	61,5	125,5
EVX20/12	15	160	1112	476		198		248	350	63	127
EVX20/13	15	160	1160	476		198		248	350	64,5	128,5
EVX20/14	15	160	1208	476		198		248	350	66	130
EVX20/15	18.5	160	1256	542		235		317	350	67,5	156,4
EVX20/16	18.5	160	1304	542		235		317	350	68,5	157,4
EVX20/17	18.5	160	1352	542		235		317	350	70	158,9

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

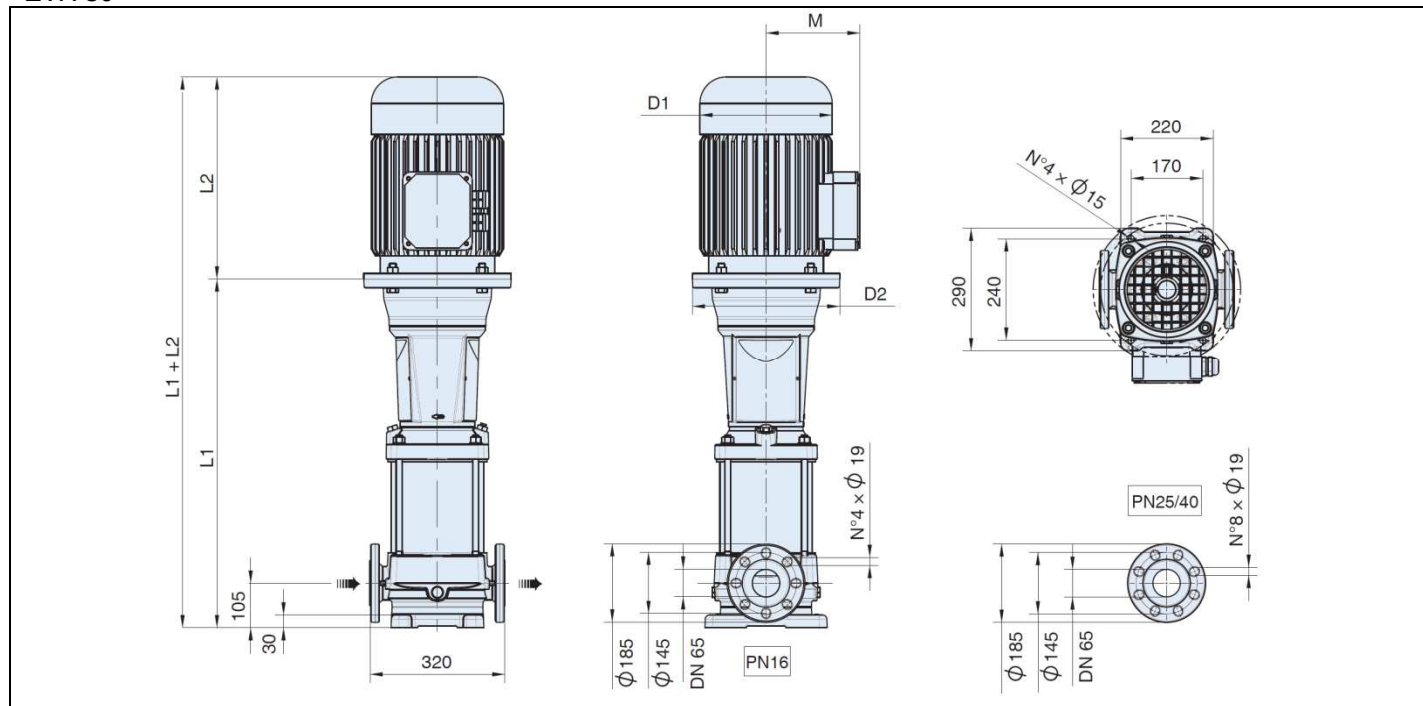
EVX 30



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 30

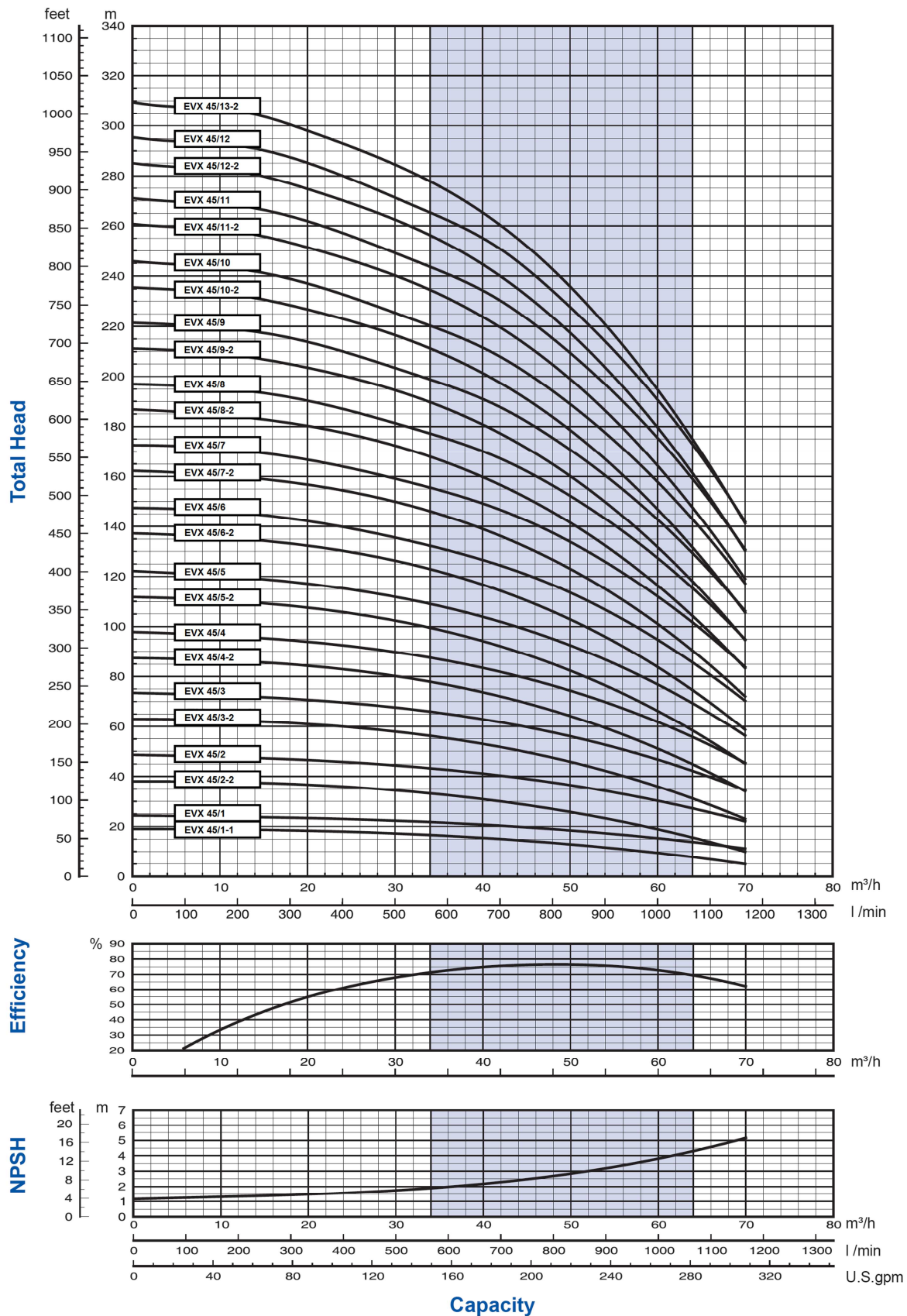


TYPE	MOTOR		L1	L2	M	D1	D2	L1+L2	WEIGHT	
	KW	SIZE							PUMP	EL. PUMP
EVX 30/1	2,2	90	445	267	138	180	170	712	53	69
EVX 30/2-2	4	112	537	306	145	196	170	843	57	79,8
EVX 30/2-1	4	112	724	306	145	196	170	1030	74,5	97,3
EVX 30/2	5,5	132	724	328	161	225	300	1052	74,5	108,5
EVX 30/3-2	5,5	132	806	328	161	225	300	1134	78,5	112,5
EVX 30/3-1	7,5	132	806	350	161	225	300	1156	78,5	114,5
EVX 30/3	7,5	132	806	350	161	225	300	1156	78,5	114,5
EVX 30/4-2	7,5	132	888	350	161	225	300	1238	85,5	121,5
EVX 30/4-1	11	160	908	425	198	248	350	1333	85,5	143,5
EVX 30/4	11	160	908	425	198	248	350	1333	85,5	143,5
EVX 30/5-2	11	160	990	425	198	248	350	1415	89,5	147,5
EVX 30/5-1	11	160	990	425	198	248	350	1415	89,5	147,5
EVX 30/5	15	160	990	476	198	248	350	1466	89,5	153,5
EVX 30/6-2	15	160	1072	476	198	248	350	1548	93,5	157,5
EVX 30/6-1	15	160	1072	476	198	248	350	1548	93,5	157,5
EVX 30/6	15	160	1072	476	198	248	350	1548	93,5	157,5
EVX 30/7-2	15	160	1154	476	198	248	350	1630	97,5	161,5
EVX 30/7-1	15	160	1154	476	198	248	350	1630	97,5	161,5
EVX 30/7	18,5	160	1154	542	238	317	350	1696	97,5	186,5
EVX 30/8-2	18,5	160	1236	542	238	317	350	1778	101,5	190,5
EVX 30/8-1	18,5	160	1236	542	238	317	350	1778	101,5	190,5
EVX 30/8	18,5	160	1236	542	238	317	350	1778	101,5	190,5
EVX 30/9-2	22	180	1318	542	238	360	350	1860	105,5	214,2
EVX 30/9-1	22	180	1318	542	238	360	350	1860	105,5	214,2
EVX 30/9	22	180	1318	542	238	360	350	1860	105,5	214,2
EVX 30/10-2	22	180	1400	542	238	360	350	1942	112,5	221,2
EVX 30/10-1	22	180	1400	542	238	360	350	1942	112,5	221,2
EVX 30/10	30	200	1405	658	658	399	400	2063	112,5	340,5
EVX 30/11-2	30	200	1487	658	658	399	400	2145	116,5	344,5
EVX 30/11-1	30	200	1487	658	658	399	400	2145	116,5	344,5
EVX 30/11	30	200	1487	658	658	399	400	2145	116,5	344,5
EVX 30/12-2	30	200	1569	658	658	399	400	2227	120,5	348,5
EVX 30/12-1	30	200	1569	658	658	399	400	2227	120,5	348,5
EVX 30/12	30	200	1569	658	658	399	400	2227	120,5	348,5
EVX 30/13-2	30	200	1651	658	658	399	400	2309	124,5	352,5
EVX 30/13-1	30	200	1651	658	658	399	400	2309	124,5	352,5
EVX 30/13	30	200	1651	658	658	399	400	2309	124,5	352,5

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

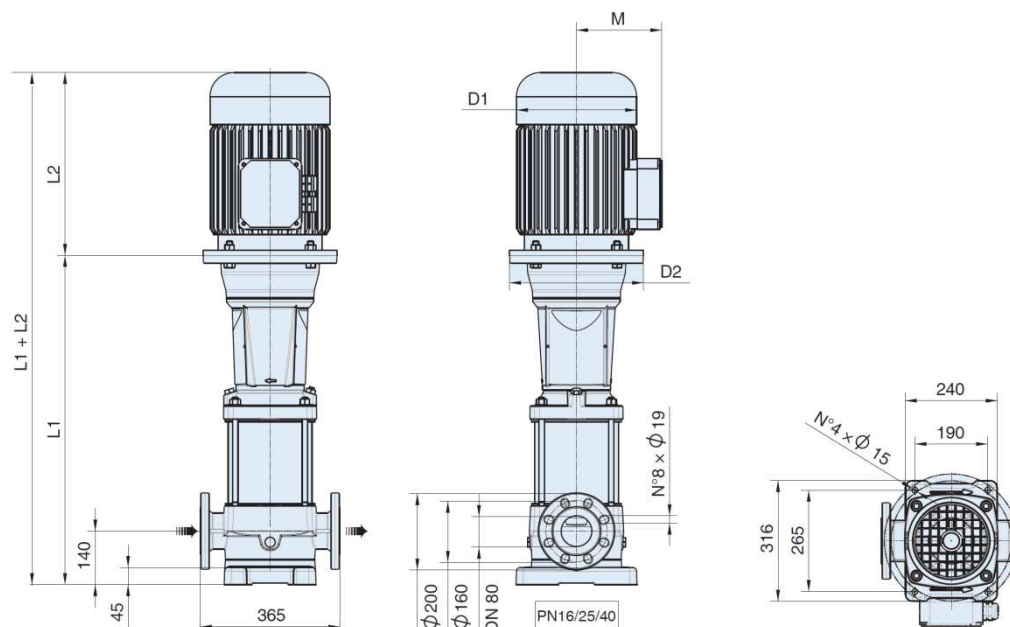
EVX 45



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 45

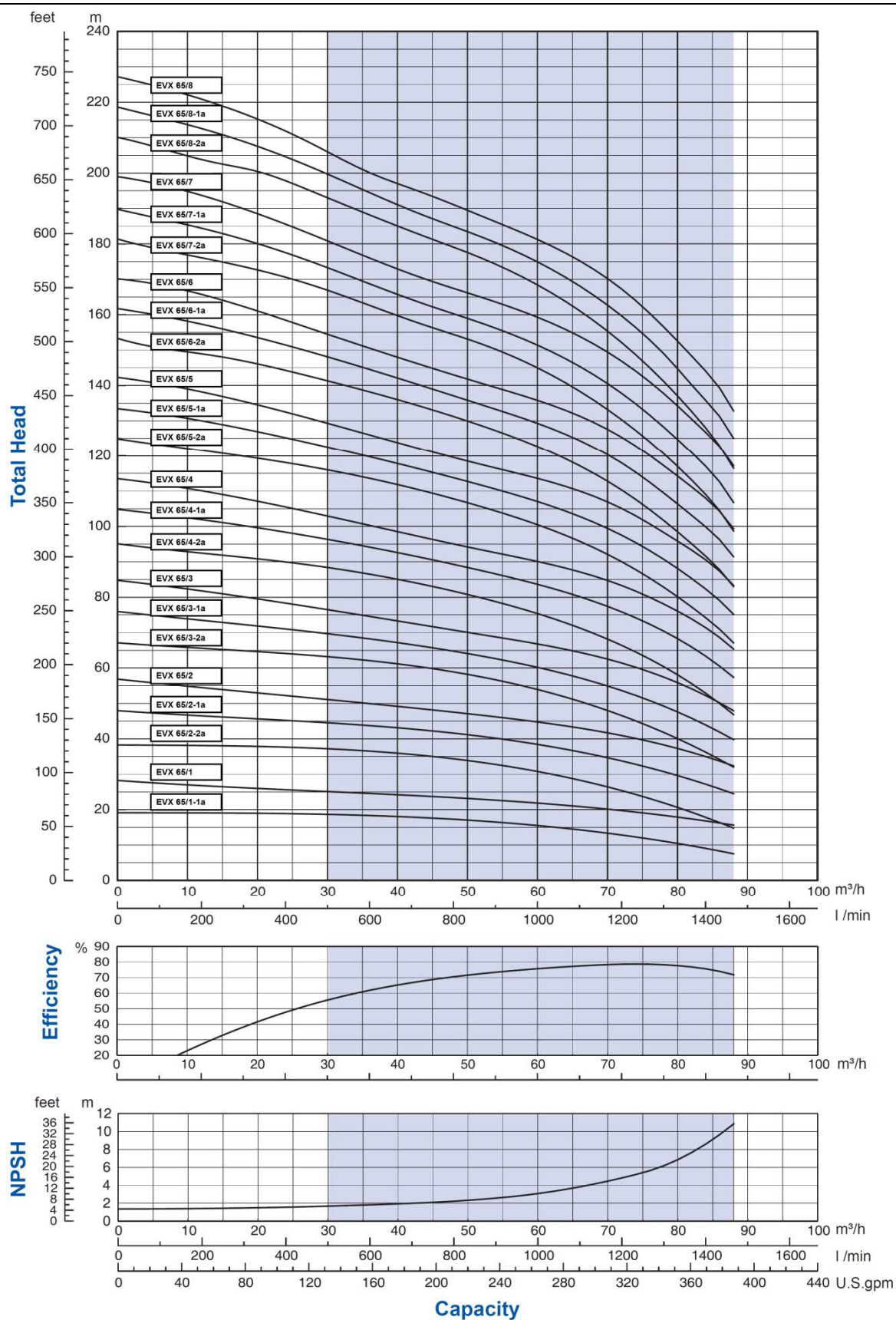


TYPE	MOTOR		L1	L2	M	D1	D2	L1+L2	WEIGHT	
	KW	SIZE							PUMP	EL. PUMP
EVX 45/1-1	3	100	490	267	138	180	170	757	59	77,7
EVX 45/1	4	112	490	306	145	196	170	796	59	81,8
EVX 45/2-2	5,5	132	759	328	161	225	300	1087	80,5	114,5
EVX 45/2	7,5	132	759	350	161	225	300	1109	80,5	116,5
EVX 45/3-2	11	160	861	425	198	248	350	1286	87,5	145,5
EVX 45/3	11	160	861	425	198	248	350	1286	87,5	145,5
EVX 45/4-2	15	160	943	476	198	248	350	1419	91,5	155,5
EVX 45/4	15	160	943	476	198	248	350	1419	91,5	155,5
EVX 45/5-2	18,5	160	1025	542	238	317	350	1567	95,5	184,5
EVX 45/5	18,5	160	1025	542	238	317	350	1567	95,5	184,5
EVX 45/6-2	22	180	1107	542	238	317	350	1649	99	207,5
EVX 45/6	22	180	1107	542	238	317	350	1649	99	207,5
EVX 45/7-2	30	200	1194	658	297	399	400	1852	106	334
EVX 45/7	30	200	1194	658	297	399	400	1852	106	334
EVX 45/8-2	30	200	1276	658	297	399	400	1934	110	338
EVX 45/8	30	200	1276	658	297	399	400	1934	110	338
EVX 45/9-2	37	200	1358	658	297	399	400	2016	114	356
EVX 45/9	37	200	1358	658	297	399	400	2016	114	356
EVX 45/10-2	37	200	1440	658	297	399	400	2098	118	360
EVX 45/10	37	200	1440	658	297	399	400	2098	118	360
EVX 45/11-2	45	225	1522	699	333	465	450	2221	125	433
EVX 45/11	45	225	1522	699	333	465	450	2221	125	433
EVX 45/12-2	45	225	1604	699	333	465	450	2303	129	437
EVX 45/12	45	225	1604	699	333	465	450	2303	129	437
EVX 45/13-2	45	225	1686	699	333	465	450	2385	133	441

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

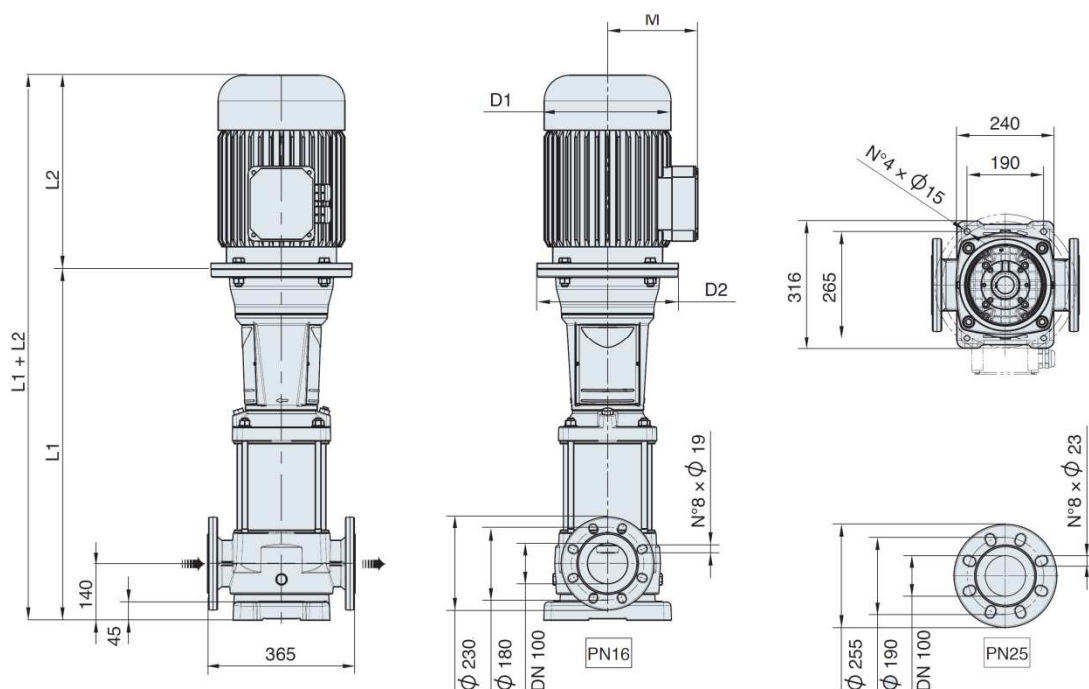
EVX 65



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 65

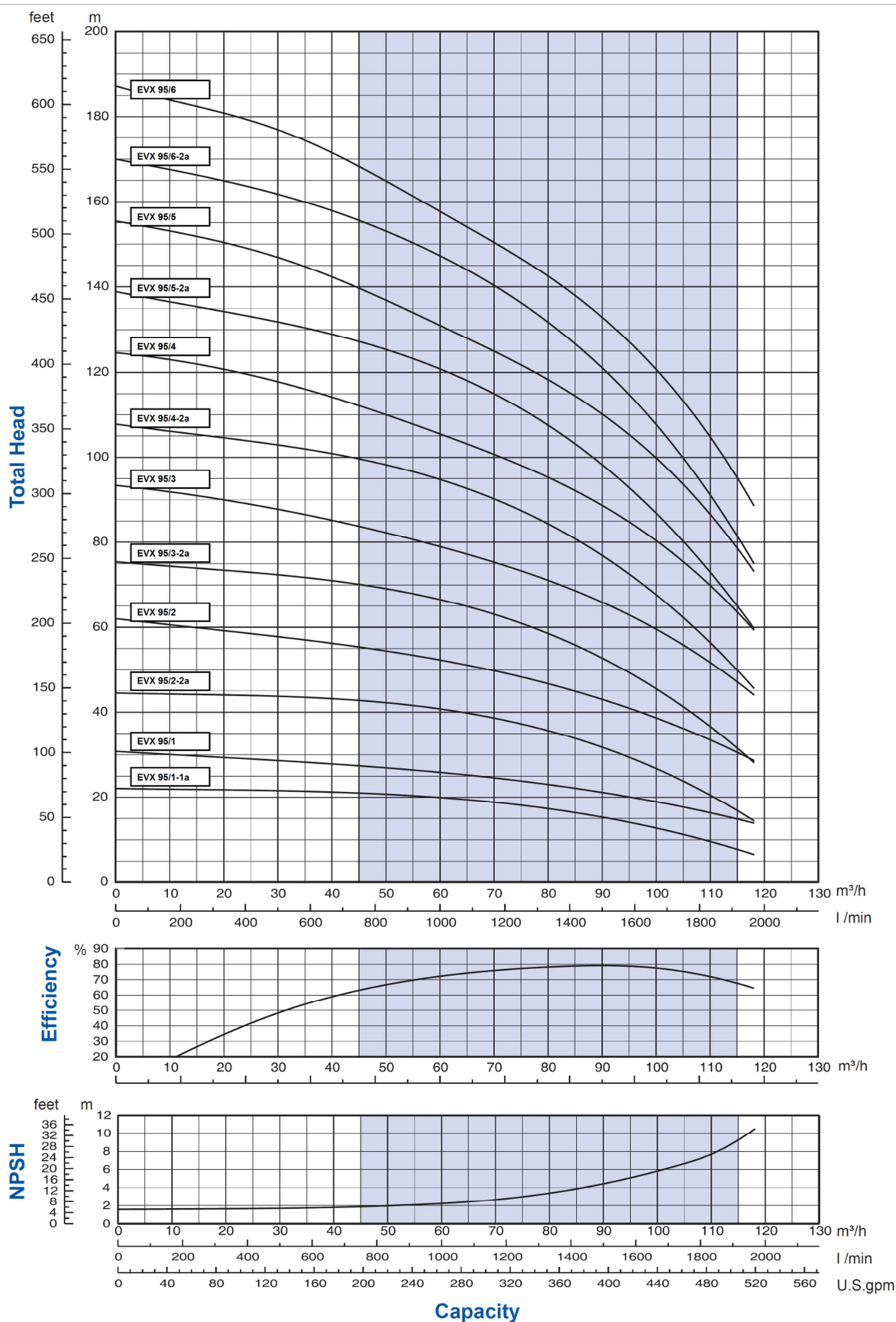


TYPE	MOTOR		L1	L2	M	D1	D2	WEIGHT	
	KW	SIZE						PUMP	EL. PUMP
EVX 65/1-1a	4	112	550,1	306	145	196	170	61	83,8
EVX 65/1	5.5	132	737,1	328	161	225	300	81	115
EVX 65/2-2a	7.5	132	829,2	350	161	225	300	85,5	121,5
EVX 65/2-1a	11	160	849,2	425	198	248	350	88,5	146,5
EVX 65/2	11	160	849,2	425	198	248	350	88,5	146,5
EVX 65/3-2a	15	160	941,3	476	198	248	350	93	157
EVX 65/3-1a	15	160	941,3	476	198	248	350	93	157
EVX 65/3	18.5	160	941,3	542	235	317	350	93	181,9
EVX 65/4-2a	18.5	160	1033,4	542	235	317	350	97,5	186,4
EVX 65/4-1a	22	180	1033,4	542	238	317	350	98	206,7
EVX 65/4	22	180	1033,4	542	238	317	350	98	206,7
EVX 65/5-2a	30	200	1130,5	658	300	399	400	105,5	333,5
EVX 65/5-1a	30	200	1130,5	658	300	399	400	105,5	333,5
EVX 65/5	30	200	1130,5	658	300	399	400	105,5	333,5
EVX 65/6-2a	30	200	1222,6	658	300	399	400	110	338
EVX 65/6-1a	37	200	1222,6	658	300	399	400	110	352
EVX 65/6	37	200	1222,6	658	300	399	400	110	352
EVX 65/7-2a	37	200	1314,7	658	300	399	400	114,5	356,5
EVX 65/7-1a	37	200	1314,7	658	300	399	400	114,5	356,5
EVX 65/7	45	225	1314,7	699	335	465	450	117,5	425,5
EVX 65/8-2a	45	225	1406,8	699	335	465	450	122	430
EVX 65/8-1a	45	225	1406,8	699	335	465	450	122	430
EVX 65/8	45	225	1406,8	699	335	465	450	122	430

SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

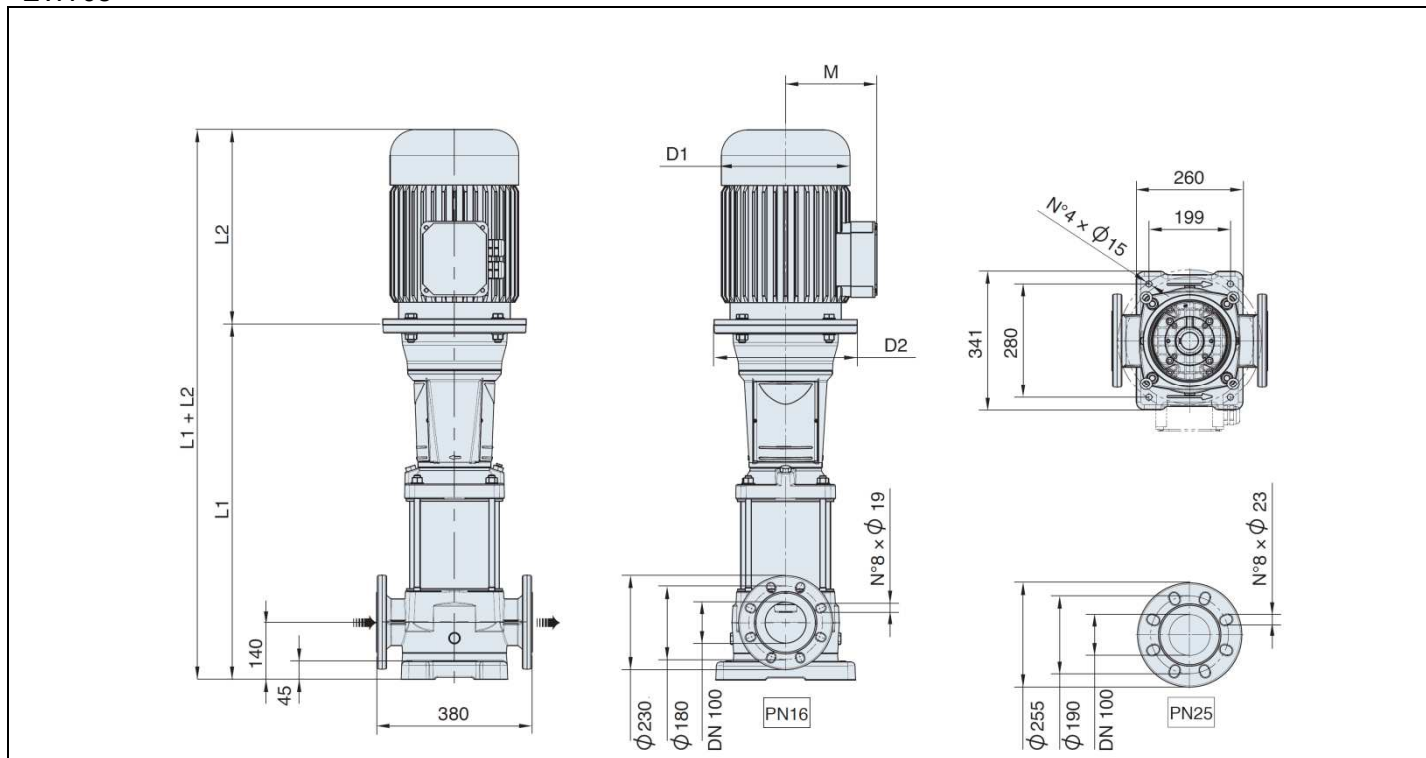
EVX 95



SERIES EVX

STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

EVX 95



TYPE	MOTOR		L1	L2	M	D1	D2	WEIGHT	
	KW	SIZE						PUMP	EL. PUMP
Evx 95/1-1a	5.5	132	737,1	328	161	225	300	82,5	116,5
Evx 95/1	7.5	132	737,1	350	161	225	300	82,5	118,5
Evx 95/2-2a	11	160	849,2	425	198	248	350	89	147
Evx 95/2	15	160	849,2	476	198	248	350	89	153
Evx 95/3-2a	18.5	160	941,3	542	235	317	350	93	181,9
Evx 95/3	22	180	941,3	542	238	317	350	93	201,7
Evx 95/4-2a	30	200	1038,4	658	300	399	400	100	328
Evx 95/4	30	200	1038,4	658	300	399	400	100	328
Evx 95/5-2a	37	200	1130,5	658	300	399	400	104	346
Evx 95/5	37	200	1130,5	658	300	399	400	104	346
Evx 95/6-2a	45	225	1222,6	699	335	465	450	110,5	418,5
Evx 95/6	45	225	1222,6	699	335	465	450	110,5	418,5

SERIES LR

FOR LIGHT SEWAGES



Suitable for domestic and industrial use to dispose of clean or slightly dirty water or similar liquids.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

motor cover, pump body, casing, impeller: cast iron G20;

motor shaft: stainless steel Aisi 420;

screws: stainless steel;

mechanical seal: silicon carbide/alumina;

electric cable: 10 mt H07RN-F (10 mt for LR/50)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Standard voltages: M = 230/240-50; T = 230/400-50.

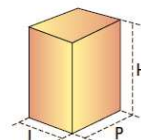
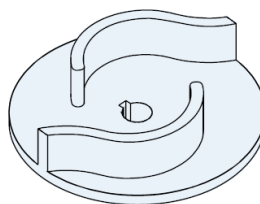
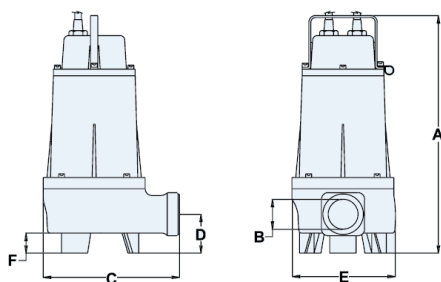
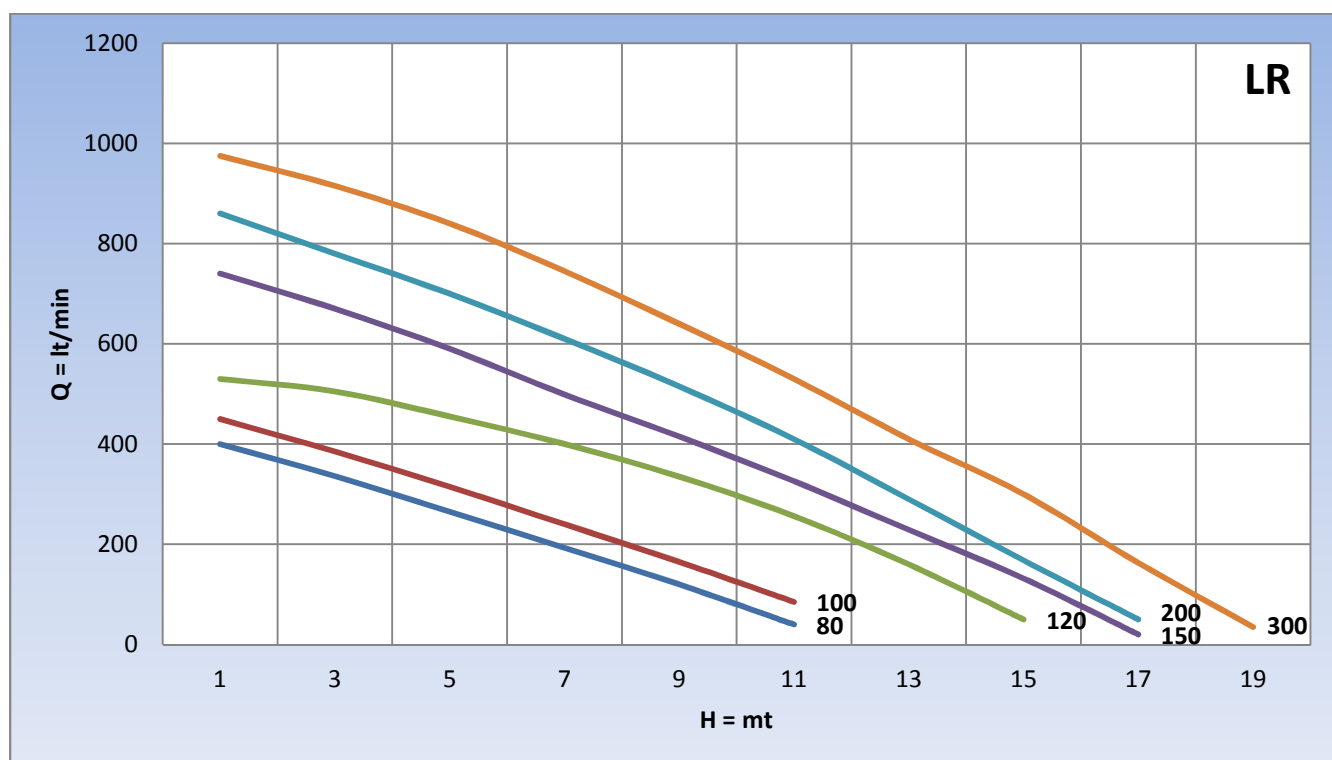
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of theree-phase motors have to be arranget by the user.

- Different voltages and frequency available on request

SERIES LR

FOR LIGHT SEWAGES

TYPE	POWER		CAP. MF/450V	ABSORPTION AMP.			H = HEIGHT (MT)										
	HP	KW		230V-M	230V-T	400V-T	Q = L/min	1	3	5	7	9	11	13	15	17	19
LR/80	0,75	0,55	16	4,5	2,2	1,4		400	336	265	193	120	40				
LR/100	1	0,75	20	5	3,1	1,9		450	385	315	240	165	85	40			
LR/120	1,2		20	8	4	3		530	505	455	400	335	280	160	50		
LR/150	1,5	1,1	31,5	8,7	4,8	3		740	670	590	495	405	305	195	85	20	
LR/200	2	1,5	40	11,3	6,4	3,8		860	780	700	610	515	410	290	155	50	
LR/300	3	2,2	40	14	9,5	5,2		975	915	840	745	640	530	410	280	130	35



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
LR/80	349	1"1/2	205	58,5	156	30	15mm	190	417	225	17
LR/100	349	1"1/2	205	58,5	156	30	15mm	190	417	225	1/8
LR/120	377	2"	225	75,5	156	30	20mm	190	417	225	20
LR/150	451,6	2"	229	84,8	178	47	20mm	210	490	250	28
LR/200	451,6	2"	229	84,8	178	47	25mm	210	490	250	29
LR/300	451,6	2"	229	84,8	178	47	25mm	210	490	250	31

SERIES GL

FOR LIGHT SEWAGES



Suitable for domestic and industrial use to dispose of clean or slightly dirty water or similar liquids. It's strictly prohibited to use the pump for lifting combustible liquids.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

motor cover, pump body, casing, impeller: cast iron G20;

motor shaft: stainless steel Aisi 420;

screws: stainless steel;

mechanical seal: silicon carbide/alumina;

electric cable: 10 mt H07RN-F (5 mt for G-GL/50)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

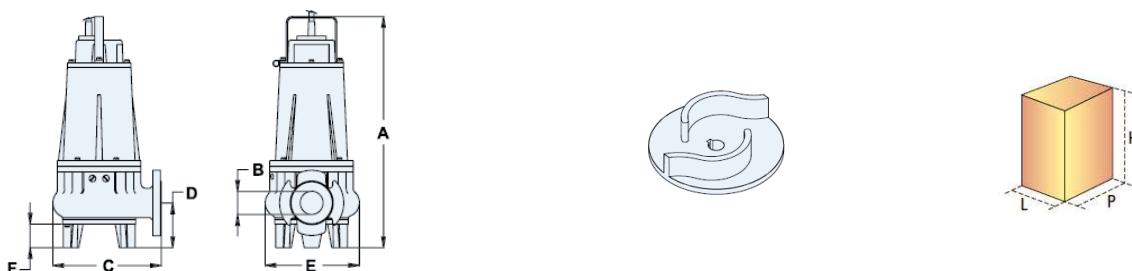
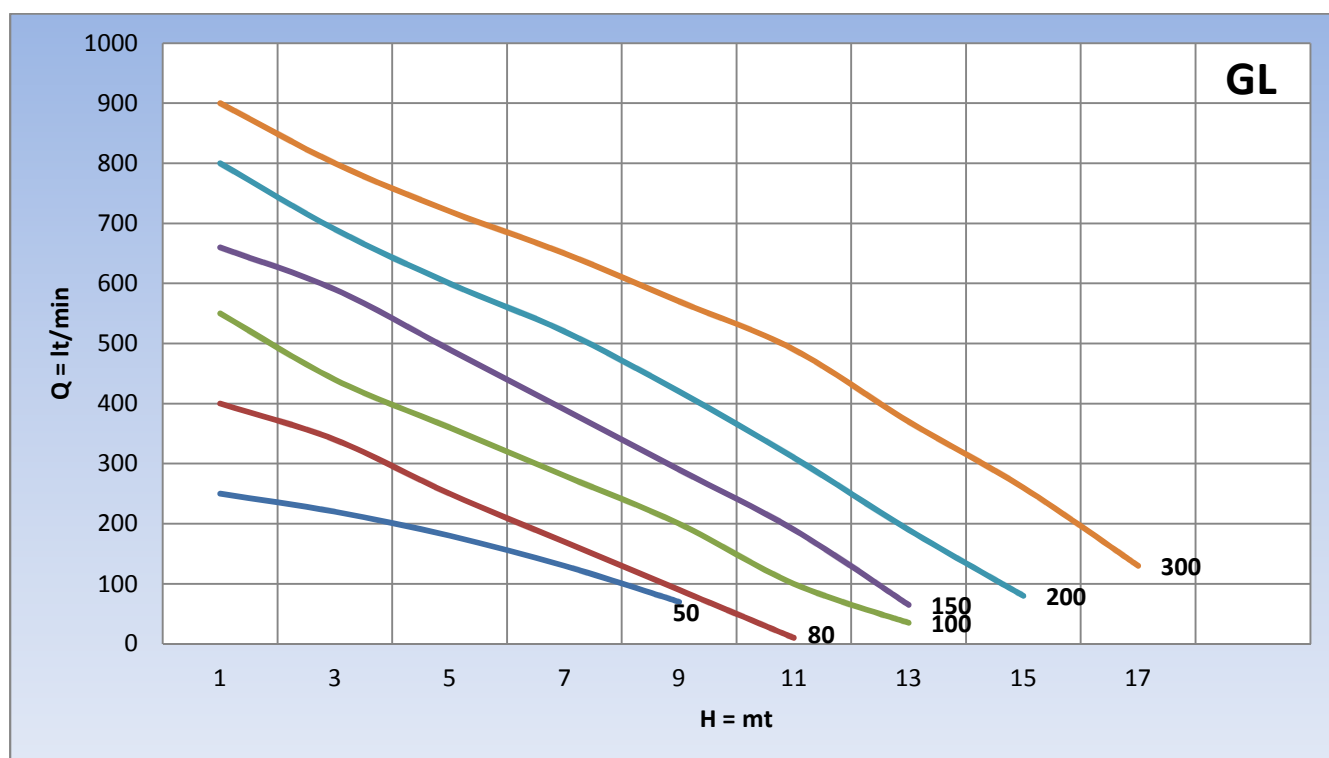
Standard voltages: M = 230/240-50; T = 230/400-50.

Single phase motors is provided with a thermic protection regulated on 130°C. The protection of theree-phase motors have to be arranget by the user. Different voltages and frequency available on request

SERIES GL

FOR LIGHT SEWAGES

TYPE	POWER		CAP. MF/450V	ABSORPTION AMP.			H = HEIGHT (MT)									
	HP	KW		230V-M	230V-T	400V-T	Q = L/min	1	3	5	7	9	11	13	15	17
GL/50	0,5	0,37	10	3	1,5	1		250	220	180	130	80				
GL/80	0,75	0,55	16	3,5	2,2	1,4		400	340	250	170	90	10			
GL/100	1	0,75	20	4,5	3,1	1,9		550	440	360	280	200	100	35		
GL/150	1,5	1,1	31,5	8,4	4,8	3		660	590	490	390	290	190	65		
GL/200	2	1,5	40	10,4	6,4	3,8		800	690	600	520	420	310	190	80	
GL/300	3	2,2	-	-	9,2	5,2		900	800	720	650	570	490	370	260	130



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
GL/50	305	1" ¼	169	60	141	35	6 mm	160	365	185	11,4
GL/80	350	1" ½	198	68	176	37	19 mm	190	417	225	16,1
GL/100	350	1" ½	198	68	176	37	19 mm	190	417	225	17,3
GL/150	479	DN50	234	95	200	60	19 mm	250	565	290	35,2
GL/200	479	DN50	234	95	200	60	24 mm	250	565	290	36,2
GL/300	479	DN50	234	95	200	60	30 mm	250	565	290	37,2

SERIES G

FOR LIGHT SEWAGES



Suitable for domestic and industrial use to dispose of clean or slightly dirty water or similar liquids. It's strictly prohibited to use the pump for lifting combustible liquids. G pumps are the same as GL, but with the strainer.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

motor cover, pump body, casing, impeller: cast iron G20;

motor shaft: stainless steel Aisi 420;

screws: stainless steel;

mechanical seal: silicon carbide/alumina;

electric cable: 10 mt H07RN-F (5 mt for G-GL/50)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

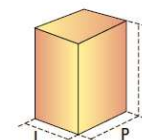
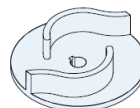
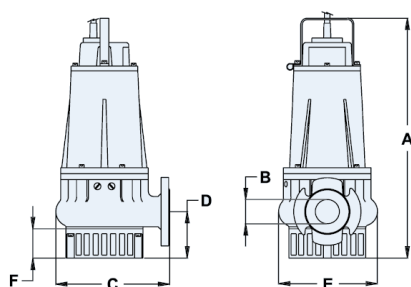
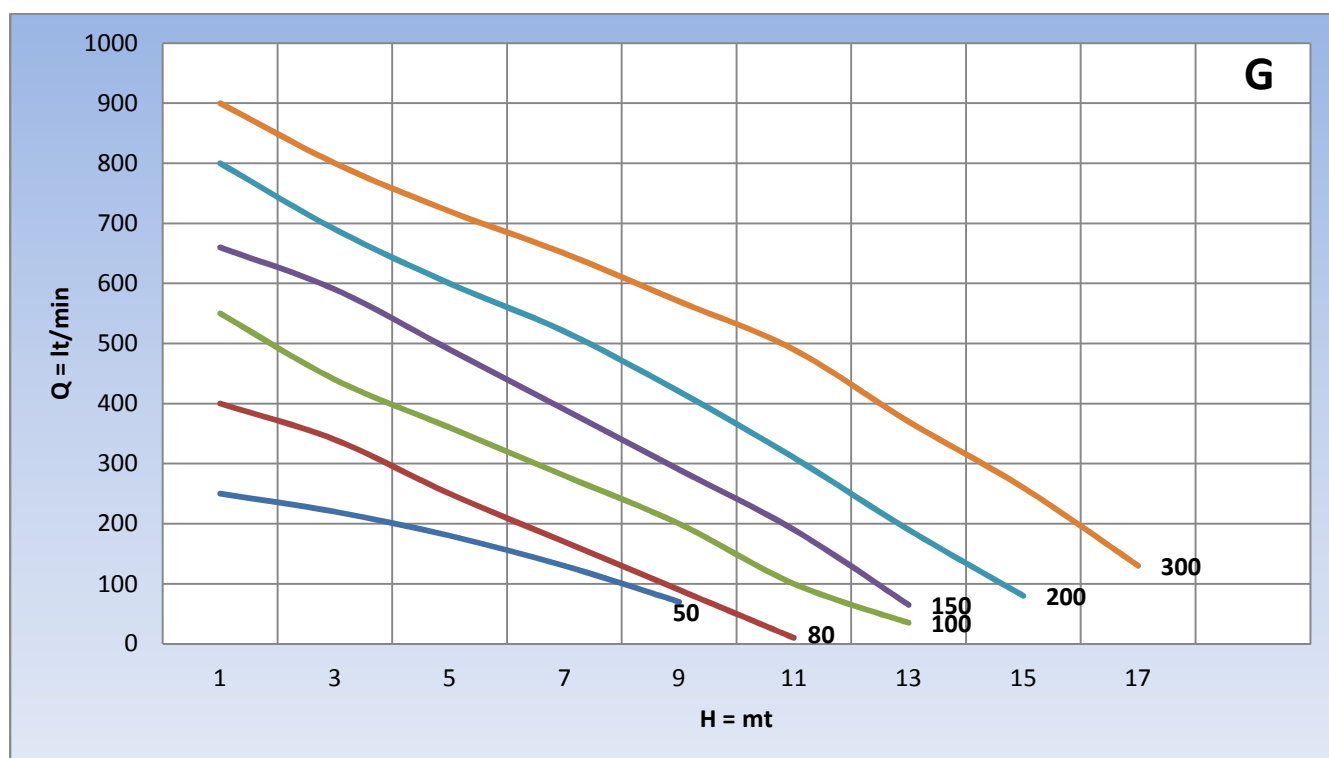
Standard voltages: M = 230/240-50; T = 230/400-50.

Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user. Different voltages and frequency available on request

SERIES G

FOR LIGHT SEWAGES

TYPE	POWER		CAP.	ABSORBTION AMP.			H = HEIGHT (MT)									
	HP	KW	MF/450V	230V-M	230V-T	400V-T	Q = L/min	1	3	5	7	9	11	13	15	17
G/50	0,5	0,37	10	3	1,5	1		250	220	180	130	80				
G/80	0,75	0,55	16	3,5	2,2	1,4		400	340	250	170	90	10			
G/100	1	0,75	20	4,5	3,1	1,9		550	440	360	280	200	100	35		
G/150	1,5	1,1	31,5	8,4	4,8	3		660	590	490	390	290	190	65		
G/200	2	1,5	40	10,4	6,4	3,8		800	690	600	520	420	310	190	80	
G/300	3	2,2	-	-	9,2	5,2		900	800	720	650	570	490	370	260	130



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
G/50	305	1" ¼	169	60	141	35	6 mm	160	365	185	11,4
G/80	350	1" ½	198	68	176	37	6 mm	190	417	225	16,1
G/100	350	1" ½	198	68	176	37	6 mm	190	417	225	17,3
G/150	479	DN50	234	95	200	60	7 mm	250	565	290	35,2
G/200	479	DN50	234	95	200	60	7 mm	250	565	290	36,2
G/300	479	DN50	234	95	200	60	7 mm	250	565	290	37,2

SERIES VR

FOR HEAVY SEWAGES



Pumps with VORTEX impeller suitable for domestic and industrial use to dispose of clean, slightly dirty water, sewages or similar liquids.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

motor cover, pump body, casing, impeller: cast iron G20;

motor shaft: stainless steel Aisi 420;

screws: stainless steel;

mechanical seal: silicon carbide/alumina;

electric cable: 10 mt H07RN-F (5 mt for VX/50)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Standard voltages: M = 230/240-50; T = 230/400-50.

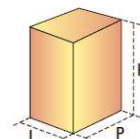
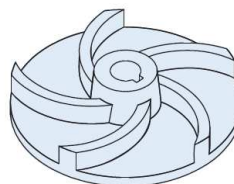
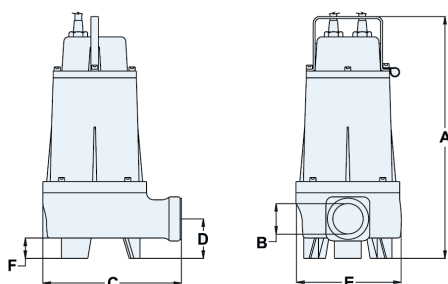
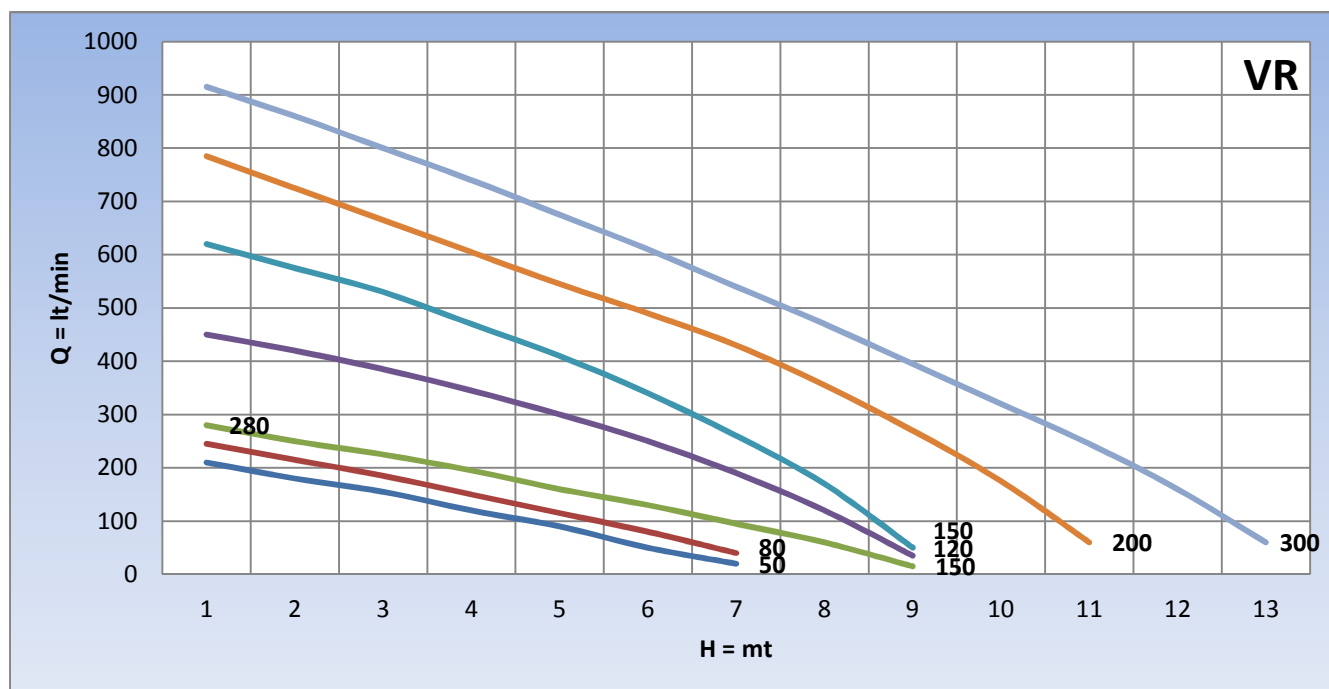
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of theree-phase motors have to be arranget by the user.

- Different voltages and frequency available on request

SERIES VR

FOR HEAVY SEWAGES

TYPE	POWER		CAP.	ABSORBTION AMP.			H = HEIGHT (MT)														
	HP	KW	MF/450V	230V-M	230V-T	400V-T	Q = L/min	1	2	3	4	5	6	7	8	9	10	11	12	13	
VR/50	0,5	0,37	10	3	1.5	1		210	180	155	120	90	45	20							
VR/80	0,75	0,55	16	4.5	2.2	1.4		245	215	185	150	115	80	40							
VR/100	1	0,75	20	5.5	3.1	1.9		280	250	225	195	160	130	95	60	15					
VR/120	1.5	1	20	6.1	4	2.7		450	420	385	345	300	250	190	120	35					
VR/150	1,5	1,1	31,5	9	4.8	3		620	575	530	470	410	340	260	170	50					
VR/200	2	1,5	40	11.3	6.4	3.8		785	725	665	605	545	490	430	355	270	175	60			
VX/300	3	2,2	40	14	9.2	5.2		915	860	800	740	675	610	540	470	395	320	245	160	60	



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
VR/50	305	1"1/4	169	60	141	30	25 mm	160	365	185	12
VR/80	349	1"1/2	205	60	156	30	30 mm	190	417	225	16
VR/100	349	1"1/2	205	60	156	30	30 mm	190	417	225	17,5
VR/120	377	2"	225	75,5	163,5	40	35 mm	190	417	225	20
VR/150	451,6	2"	229	84,8	178	47	45 mm	210	490	250	28
VR/200	451,6	2"	229	84,8	178	47	45 mm	210	490	250	28,5
VR/300	451,6	2"	229	84,8	178	47	45 mm	210	490	250	31

SERIES VX

FOR HEAVY SEWAGES



Pumps with VORTEX impeller suitable for domestic and industrial use to dispose of clean, slightly dirty water, sewages or similar liquids.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

motor cover, pump body, casing, impeller: cast iron G20;

motor shaft: stainless steel Aisi 420;

screws: stainless steel;

mechanical seal: silicon carbide/alumina;

electric cable: 10 mt H07RN-F (5 mt for VX/50)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Standard voltages: M = 230/240-50; T = 230/400-50.

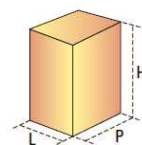
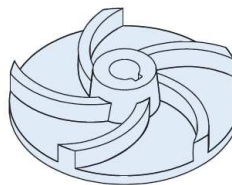
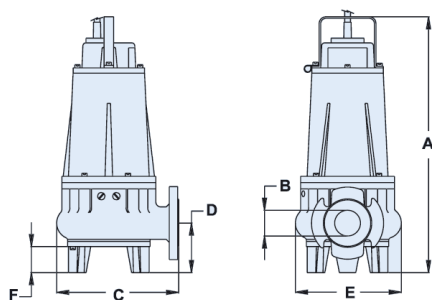
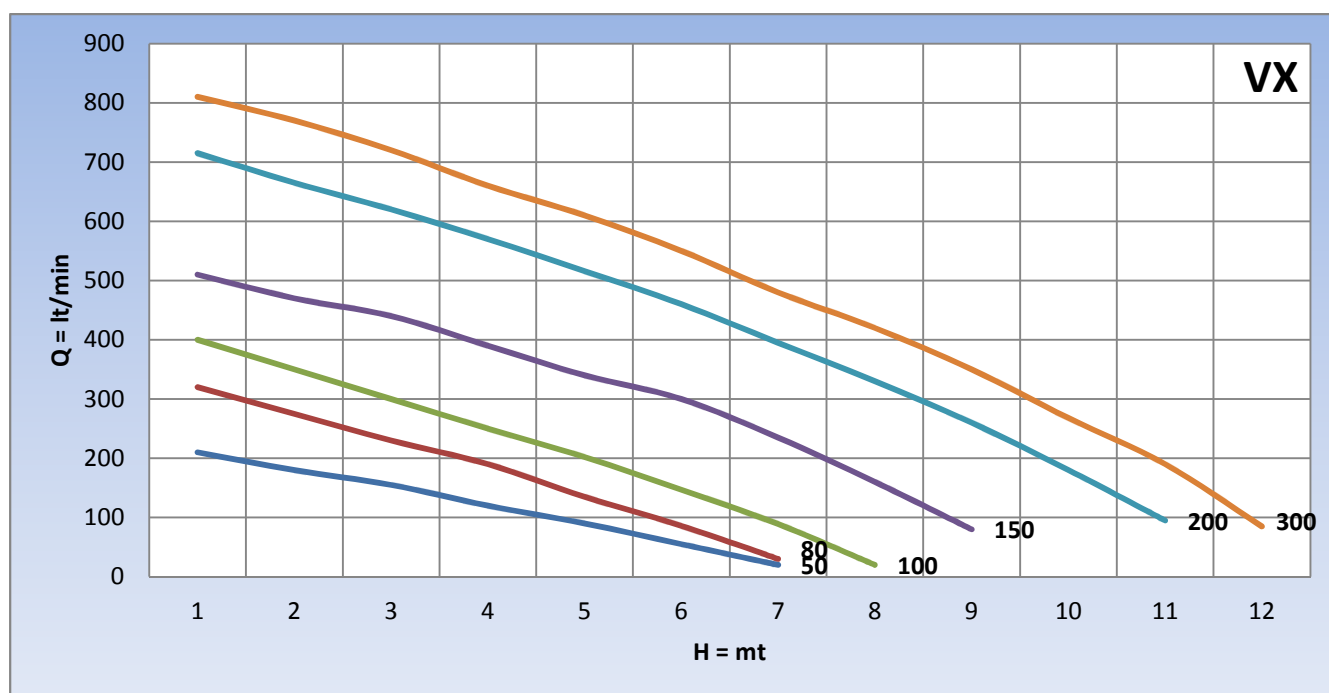
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

- Different voltages and frequency available on request

SERIES VX

FOR HEAVY SEWAGES

TYPE	POWER		CAP.	ABSORPTION AMP.			H = HEIGHT (MT)													
	HP	KW		MF/450V	230V- M	230V- T	400V- T	Q = L/min	1	2	3	4	5	6	7	8	9	10	11	12
VX/50	0,5	0,37	10	3	1.5	1	210		180	155	120	90	45	20						
VX/80	0,75	0,55	16	4	2.2	1.4	320		275	230	190	135	50	30						
VX/100	1	0,75	20	5.1	3.1	1.9	400		350	300	250	220	160	80	20					
VX/150	1,5	1,1	31,5	8.4	4.8	3	510		470	440	390	340	300	235	160	80				
VX/200	2	1,5	40	10.4	6.4	3.8	715		665	620	570	516	460	395	330	260	180	95		
VX/300	3	2,2			9.5	5.2	810		770	720	660	610	550	480	420	350	260	190	85	



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
VX/50	305	1"1/4	169	60	141	35	25 mm	160	365	185	12
VX/80	350	1"1/2	198	68	176	37	35 mm	190	417	225	16
VX/100	350	1"1/2	198	68	176	37	35 mm	190	417	225	17
VX/150	479	DN50	234	95	200	60	45 mm	250	565	290	35
VX/200	479	DN50	234	95	200	60	45 mm	250	565	290	36
VX/300	479	DN50	234	95	200	60	45 mm	250	565	290	37

SERIES GR

FOR HEAVY SEWAGES



Pumps with three channel impeller and grinder suitable for domestic and industrial use to dispose of slightly dirty water, sewages or similar liquids.

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

Motor cover, pump body, casing, impeller: cast iron G20;

Motor shaft: stainless steel Aisi 420;

Screws: stainless steel;

Gasket: nitrile rubber (oil-resistant)

Upper mechanical seal: ceramic/graphite

Lower mechanical seal: silicon-carbide

Grinding system: hardened stainless steel

Electric cable: 10 mt H07RN-F

ELECTRIC MOTOR:

Asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Standard voltages: M = 230/240-50; T = 230/400-50.

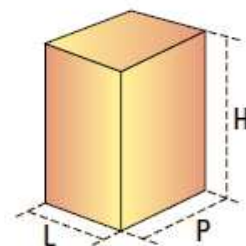
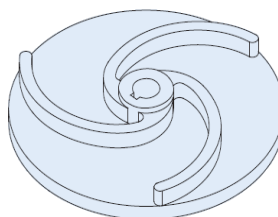
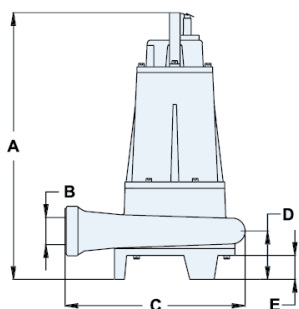
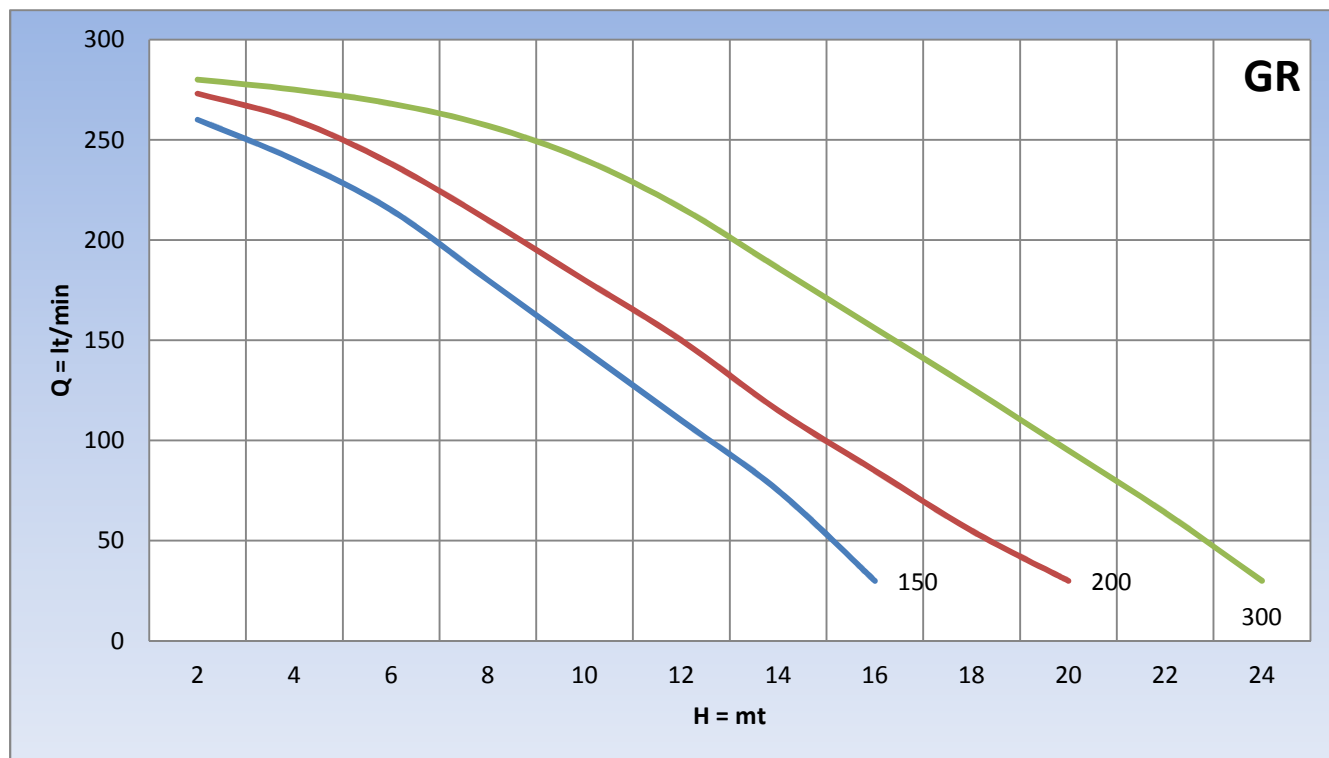
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

Different voltages and frequency available on request

SERIES GR

FOR HEAVY SEWAGES

TYPE	POWER		CAP.	ABSORPTION AMP.			H= HEIGHT (MT)													
	HP	KW	MF/450V	230V-M	230V-T	400V-T	Q = L/min	2	4	6	8	10	12	14	16	18	20	22	24	
GR/150	1,5	1,1	31,5	9	5	3,5		260	240	215	180	140	110	75	35					
GR/200	2	1,5	40	11,7	7	4		273	267	240	210	180	150	115	85	50	15			
GR/300	3	2,2	40	15	9,5	5,5		280	275	270	260	240	215	185	155	125	95	65	30	



TYPE	A	B	C	D	E	MAX SOLIDS $\varnothing$	L	H	P	KG
GR/150	475	2"	287	77	38	7 mm	250	565	290	33
GR/200	475	2"	287	77	38	7 mm	250	565	290	35
GR/300	475	2"	287	77	38	7 mm	250	565	290	37

SERIES KM – KV 4 POLES

FOR HEAVY SEWAGES



Pumps with VORTEX (KV) or single-channel opened (KM) impeller suitable for agricultural and industrial use to dispose of clean, slightly dirty water, sewages, high sewages or similar liquids also containing solid parts and filamentous matters..

LIMITS OF USE:

Max Temperature of liquid: 40°C (80°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 20 cm above the pump body.

CONSTRUCTION MATERIALS:

Motor casing, pump body, impeller: cast iron G20;

Motor shaft: stainless steel Aisi 420;

Screws: stainless steel;

Gaskets: nitrile oil-resistant rubber.

Triple mechanical seal:

Upper: silicon carbide/alumina,

Intermediate: silicon carbide

Lower lip seal

The upper and the intermediate mech. seals are lubricated by a suitable oil sump.

Electric cable: 10 mt H07RN-F

ELECTRIC MOTOR:

4 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Powers from 1,5 to 3 Kw T DOL (230/400V) or Star-Delta (400/690V) +/- 5%

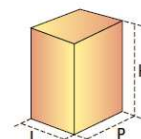
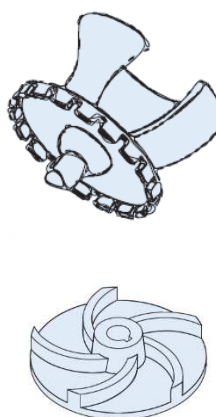
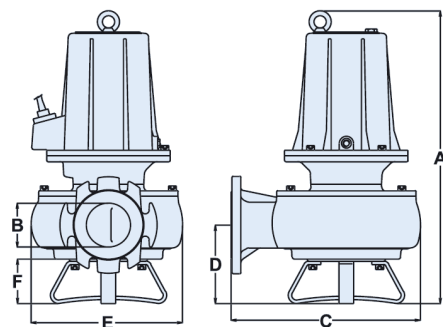
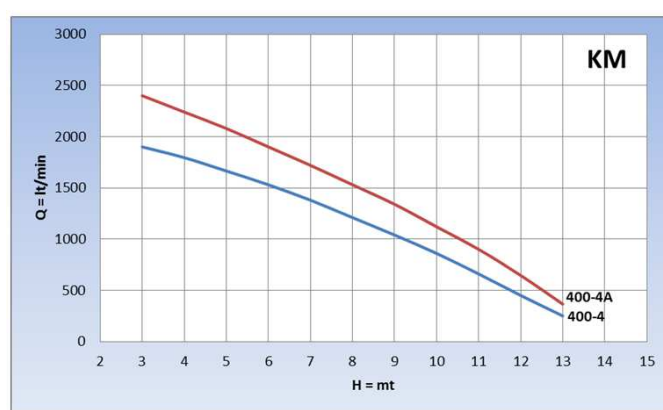
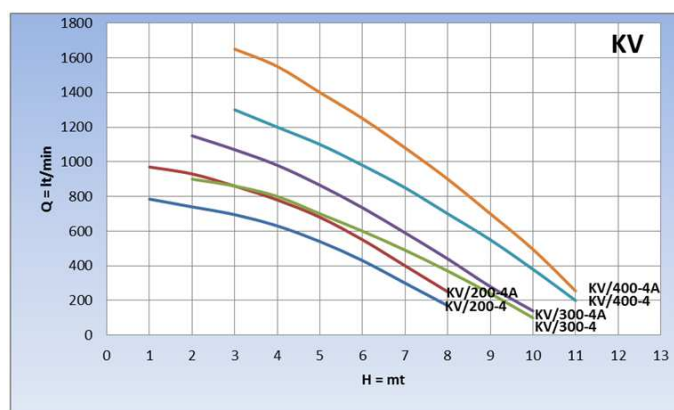
Protection at user's care.

In the oil sump there is a sensor which indicates the presence of oil in the sump in order to refill it if necessary.

SERIES KM – KV 4 POLES

FOR HEAVY SEWAGES

TYPE	POWER		ABSORPTION AMP.		H = HEIGHT (MT)													
	HP	KW	230V-T	400V-T	Q = L/min	1	2	3	4	5	6	7	8	9	10	11	12	13
KV/200-4	2	1,5	5,5	3,6		785	725	695	630	525	430	300	170					
KV/200-4A	2	1,5	5,5	3,6		970	940	860	750	650	550	400	250					
KV/300-4	3	2	8,5	4,9			900	860	780	700	600	490	360	240	100			
KV/300-4A	3	2	5,5	3,6			1150	1050	950	865	735	590	480	280	140			
KV/400-4	4	3	11	6,5				1300	1200	1100	950	850	700	550	350	200		
KV/400-4A	4	3	11	6,5				1650	1550	1350	1250	1050	850	665	495	255		
KM/400-4	4	3	11	6,5				1900	1800	1600	1500	1400	1200	1000	850	700	450	250
KM/400-4A	4	3	11	6,5				2400	2200	2000	1900	1700	1500	1350	1150	900	600	350



TYPE	A	B	C	D	E	F	MAX SOLIDS Ø	L	H	P	KG
KV/200-4	604	80	382	161	316,5	87	79 mm	345	700	450	63
KV/200-4A	604	100	382	161	316,5	87	79 mm	345	700	450	64
KV/300-4	604	80	382	161	316,5	87	79 mm	345	700	450	67
KV/300-4A	604	100	382	161	316,5	87	79 mm	345	700	450	68
KV/400-4	604	80	382	161	316,5	87	79 mm	345	700	450	74
KV/400-4A	604	100	382	161	316,5	87	79 mm	345	700	450	75
KM/400-4	604	80	382	161	316,5	87	70 mm	345	700	450	71
KM/400-4A	604	100	382	161	316,5	87	70 mm	345	700	450	75

SERIES AP

CLEAN WATER - HIGH HEADS



Pumps with three channel impeller for clean water. Particullary recommended when high heads are requested

LIMITS OF USE:

Max Temperature of liquid: 60°C (90°C with intermittent use).

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

Motor cover, pump body, casing, impeller: cast iron G20;

Motor shaft: stainless steel Aisi 420;

Screws: stainless steel;

Gasket: nitrile rubber (oil-resistant)

Upper mechanical seal: ceramic/graphite

Lower mechanical seal: silicon-carbide

Electric cable: 10 mt H07RN-F

ELECTRIC MOTOR:

Asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

Standard voltages: M = 230/240-50; T = 230/400-50.

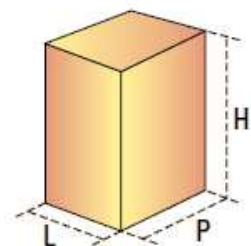
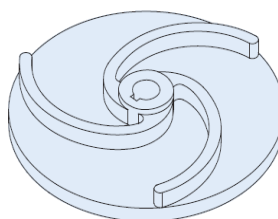
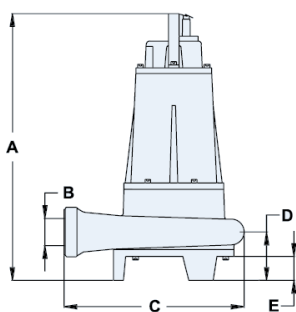
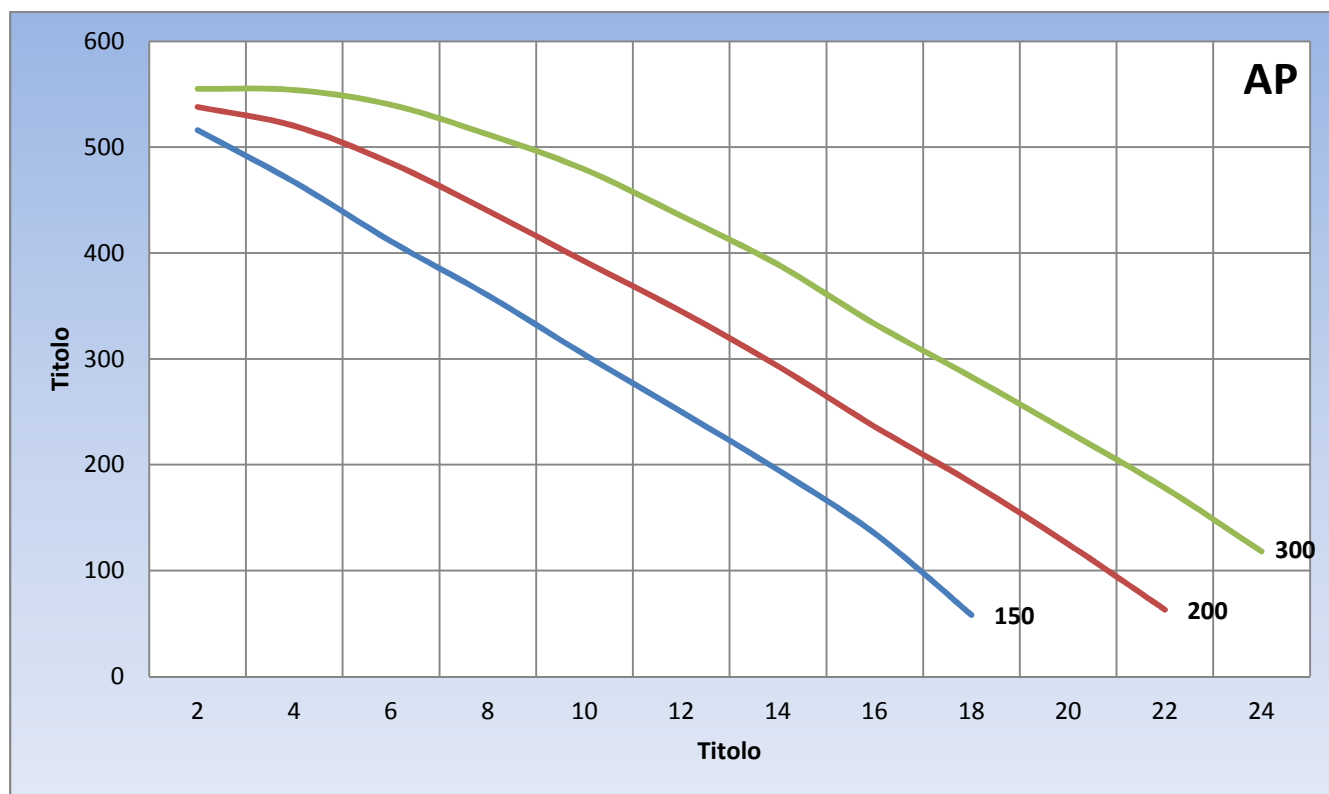
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of theree-phase motors have to be arranget by the user.

Different voltages and frequency available on request

SERIES AP

CLEAN WATER - HIGH HEADS

TYPE	POWER		CAP.	ABSORPTION AMP.			Q = L/min	H = HEIGHT (MT)											
	HP	KW		230V-M	230V-T	400V-T		2	4	6	8	10	12	14	16	18	20	22	24
AP/150	1,5	1,1	31,5	9	5	3,5	Q = L/min	516	467	411	360	304	240	200	135	58			
AP/200	2	1,5	40	11,7	7	4		538	525	498	430	387	345	293	236	183	125	63	
AP/300	3	2,2	40	15	9,5	5,5		555	554	522	510	479	450	389	333	283	231	178	118

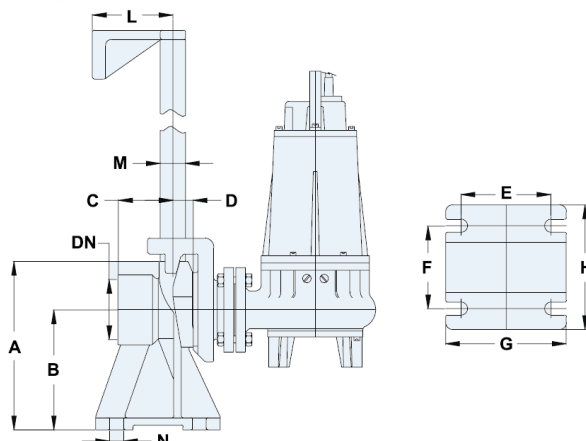


TYPE	A	B	C	D	E	MAX SOLIDS Ø	L	H	P	KG
AP/150	475	2"	287	77	38	7 mm	250	565	290	33
AP/200	475	2"	287	77	38	7 mm	250	565	290	35
AP/300	475	2"	287	77	38	7 mm	250	565	290	37

COUPLING DEVICE FOR DRAINING PUMPS

THREADED 2" GAS AUTOMATIC COUPLING FOOT

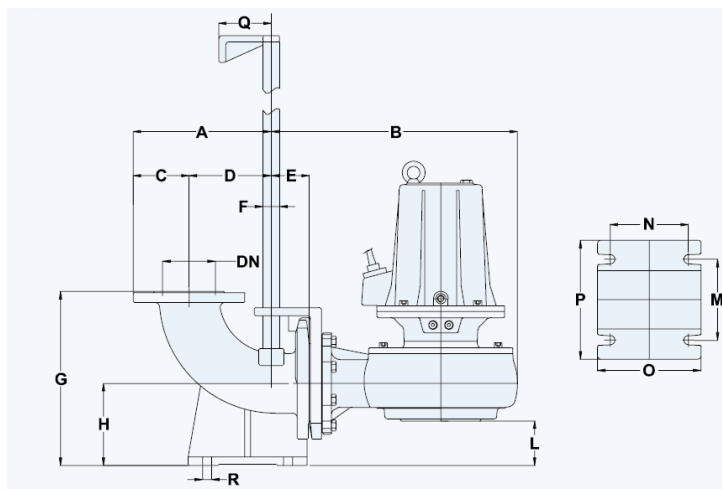
Rapid coupling foot for fixed installation onto the submersible pumps up to 2,2 Kw of power. It is manufactured entirely in G20 cast iron and is obviously robust to handle its blocking contents. The outlet delivery is a threaded 2" GAS. Upon request, a suitable metal motor pump reduction side is available.



DIMENSIONS	DN	A	B	C	D	E	F	G	H	L	M	N
COUPLING 2" GAS	2"	181	129	59	22	97	89	130	134	87	3/4"	14

AUTOMATIC COUPLING FOOT WITH FLANGED DELIVERY

Rapid coupling foot for fixed installation onto the KV/KM submersible pumps. It is manufactured entirely in G20 cast iron and is obviously robust to handle its blocking contents. The outlet delivery is flanged and is available in two different sizes : DN 80 or DN 100.



DIMENSIONS	DN	A	B	C	D	E	F	G	H	L	M	N	O	P	Q	R
COUPLING DN80	80	252	479	100	152	75	1"	344	162	88	180	154	204	225	104	18
COUPLING DN100	100	272	481	110	162	75	1"	344	162	88	180	154	204	225	104	18

SERIES DOX

FOR CLEAN WATER AND LIGHT SEWAGES



DOX/40-50-50 VORTEX



DOX/80-100-150-200

Submersible electric pumps for clean water with hydraulics in AISI 304 stainless steel suitable mostly for domestic applications (draining basements, garages, cellars or places subject to flooding, garden fountains, emptying of tanks and reservoirs). Available with or without float switch (normal or magnetic one). DOX/40 has noryl impeller, DOX/50 has stainless steel impeller and on request may be supplied with VORTEX impeller.

LIMITS OF USE:

Max Temperature of liquid: 35°C (50°C for DOX/40-50-50VORTEX)

Max immersion depth: 10 mt (5 mt for DOX/40-50-50VORTEX)

Max free solid passage: 10 mm (20 mm for DOX/50 VORTEX)

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body

CONSTRUCTION MATERIALS:

Pump body, suction grill, seal housing disc and motor pump body: stainless steel Aisi304

Impeller and diffusers: stainless steel Aisi304 (Noryl for DOX/40)

Motor shaft: stainless steel Aisi 303

Mechanical seal: Car/Cer/NBR for DOX/40-50-50VORTEX

Double mechanical seal for DOX/80-100-150-200

- Upper mechanical seal in CAR/CER/NBR (motor side)

- Lower mechanical seal in SIC/SIC/NBR (pump side)

Special mechanical seals SIC/SIC/FPM on request

Standard electric cable: 10 mt cable in H07RN-F.(5 mt for DOX/40-50)

ELECTRIC MOTOR:

Asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.

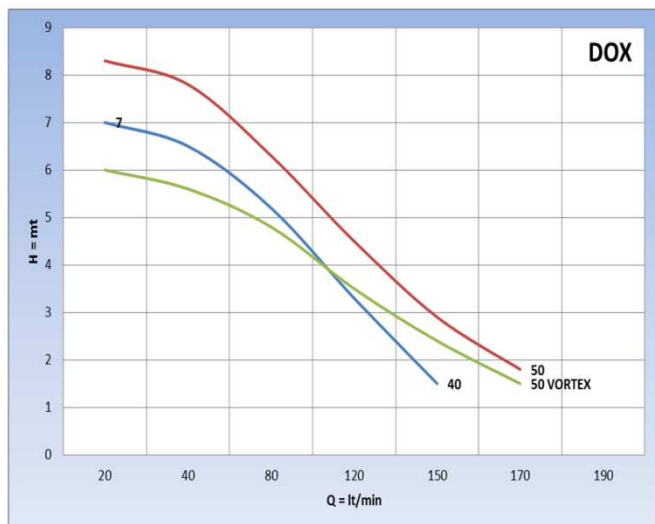
Standard voltages: M = 230/240-50; T = 230/400-50.

Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

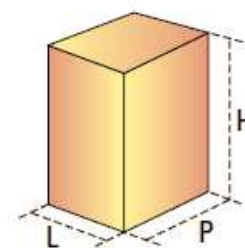
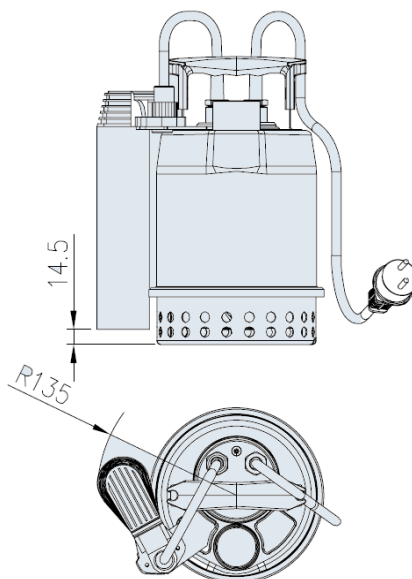
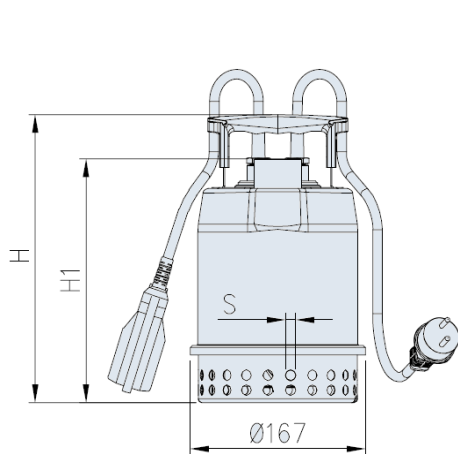
SERIES DOX

FOR CLEAN WATER AND LIGHT SEWAGES

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = Debit						
						Q = m3/h	1,2	2,4	4,8	7,2	9	10,2
	HP	KW	MF/450V	230V-M	400V-T	Q = lt/min	20	40	80	120	150	170
DOX/40	0,33	0,25	8	1,9	-	H = mt	7	6,5	5,2	3,3	1,5	
DOX/50	0,33	0,25	8	2,3	0,8		8,3	7,8	6,3	4,5	2,9	1,8
DOX/50 VORTEX	0,33	0,25	8	2,3	0,8		6	5,6	4,8	3,5	2,4	1,5



The minimum suction device allows to suck the liquid up to 3 mm from the ground (starting from at least 10 mm). It is easily mounted, by simply pressing.
CAUTION! The automatic playing of the pump with float switch doesn't allow to the minimum suction device to suck out the liquid up to 3 mm from ground level.

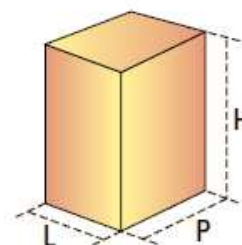
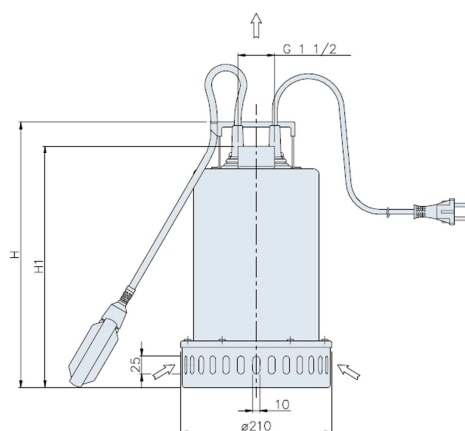
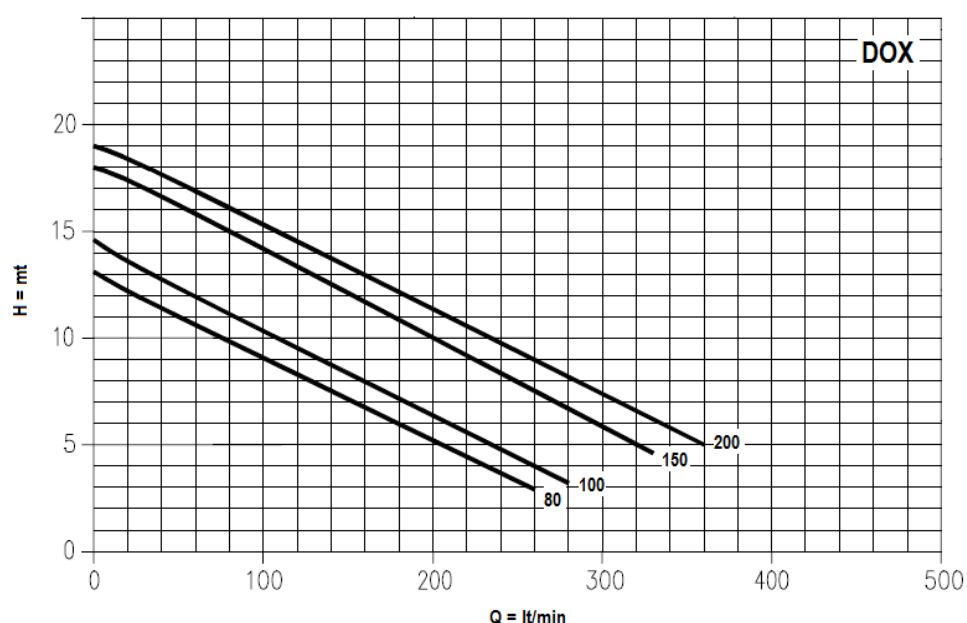


TYPE	H	H1	S	DNM	MAX SOLIDS Ø	L	H	P	KG
DOX/40	273	231	10	1,25"	10 mm	180	330	220	4,5
DOX/50	273	231	10		10 mm	180	330	220	5,0
DOX/50 VORTEX	304	262	20		20 mm	180	330	220	5,2

SERIES DOX

FOR CLEAN WATER AND LIGHT SEWAGES

TYPE	POWER		CAP.	ABSORPTION AMP.		Q = Debit										
						Q = m3/h	1,2	2,4	4,8	7,2	9,6	12	15,6	16,8	19,8	21,6
	HP	KW	MF/450V	230V- M	400V- T	Q = lt/'	20	40	80	120	160	200	260	280	330	360
DOX/80	0,75	0,55	16	4,4	2	H = mt	12,2	11,4	9,8	8,3	6,7	5	2,9			
DOX/100	1	0,75	20	5,6	2,4		13,6	12,7	11,1	9,5	7,9	6,4	4	3,2		
DOX/150	1,5	1,1	30	7,3	3		17,4	16,6	15	13,4	11,7	10	7,5	6,7	4,6	
DOX/200	2	1,5			3,3		18,4	17,7	16,1	14,5	12,8	11,4	9	8	6	5



TYPE	H	H1	DNM	MAX SOLIDS Ø	L	H	P	KG
DOX/80	352	315	1,5"	10 mm	240	375	250	12
DOX/100	352	315			240	375	250	12.7
DOX/150	377	340			240	400	250	13.8
DOX/200	377	340			240	400	250	13.5

SERIES SX

FOR HEAVY SEWAGES – STAINLESS STEEL AISI 304



SX 80-100



SX 100S150-200-300

Fully AISI304 stainless steel draining pumps with VORTEX impeller suitable to be installed in wells with clean water or sewages, for domestic, agricultural and industrial use. All components are in stainless steel in order to assure the maximum resistance against corrosion. Available with or without float switch. SX/100S-150-200-300 are available with threaded or flanged outlet (DN50).

LIMITS OF USE:

Max Temperature of liquid: 40°C

Max immersion depth: 10 mt

Max free solid passage: 50 mm

Max density of liquid: 1100 kg/m³.

Minimum pumping level: 10 cm above the pump body.

CONSTRUCTION MATERIALS:

Pump body, impeller, diffusers: stainless steel Aisi304

Motor shaft: stainless steel Aisi 303;

Double mechanical seal with interposed oil chamber:

- Upper mechanical seal in CAR/CER/NBR

- Lower mechanical seal in SIC/SIC/NBR

Standard electric cable: 10 mt cable in H07RN-F.(5 mt for SX/80 – 100)

ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IPX8.

Standard voltages: M = 230/240-50; T = 230/400-50.

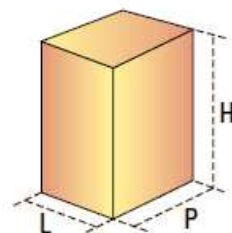
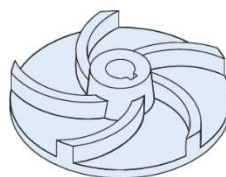
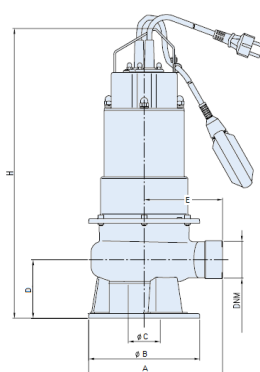
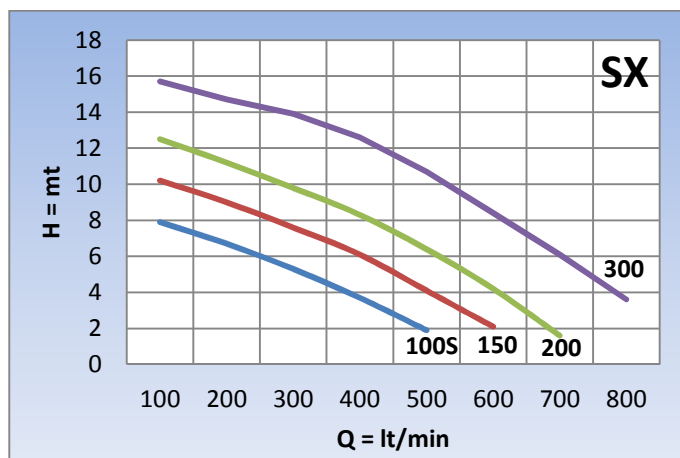
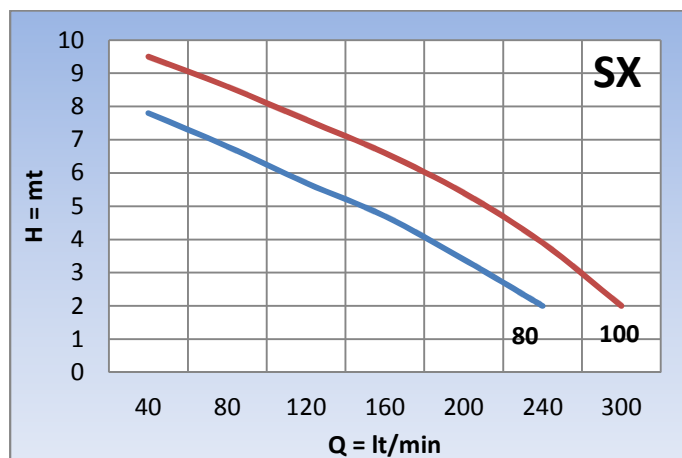
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

SERIES SX

FOR HEAVY SEWAGES – STAINLESS STEEL AISI 304

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = debit								
	HP	KW		MF/450V	230V-M	400V-T	Q = m3/h	2	4,8	7,2	9,6	12	14,4	18
							Q = lt/min	40	80	120	160	200	240	300
SX/80	0,75	0,55	31.5	4.8	2.1	H _{mt}	7.8	6.8	5.7	4.7	3.4	2.0		
SX/100	1	0,75	31,5	5.7	2.6		9.5	8.6	7.6	6.6	5.4	4.2	2.0	

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = debit								
						Q = m3/h	6	12	18	24	30	36	42	48
	HP	KW	MF/450V	230V-M	400V-T	Q = lt/min	100	200	300	400	500	600	700	800
SX/100S	1	0.75	25	3.9	1.4	$H = mt$	7.9	6.7	5.3	3.7	1.9			
SX/150	1,5	1,1	31,5	7.3	2.8		10.2	9.0	7.6	6.1	4.1	2.1		
SX/200	2	1,5	-	-	3.3		12.5	11.2	9.8	8.3	6.4	4.2	1.6	
SX/300	3	2,2	-	-	4.4		15.7	14.7	13.9	12.6	10.7	8.4	6.1	3.6



TYPE	A	B	C	D	E	H	DNM	MAX SOLIDS Ø	L	H	P	KG
SX/80	216	186	35	80	113	405	2"	35 mm	195	450	245	10,0
SX/100	216	186	35	80	113	430	2"	35 mm	195	450	245	11,5
SX/100S	228	190	50	98	133	516	2"	50 mm	245	550	280	18
SX/150	228	190	50	98	133	516	2" – DN50	50 mm	245	550	280	19,4
SX/200	228	190	50	98	133	516	2" – DN50	50 mm	245	550	280	20,0
SX/300	228	190	50	98	133	546	2" – DN50	50 mm	245	550*	280	25,8

SERIES TURBO

PERIPHERAL 4" SUBMERSIBLE PUMPS



This peripheral submersible pumps are suitable for lifting and pressurizing clean water on domestic applications, pressure booster sets and sprinkle irrigation systems. They can be used in 4" wells too.

LIMITS OF USE:

Max Temperature of liquid: 30°C

Max immersion depth: 40 mt

Max density of liquid: 1000 kg/m³.

CONSTRUCTION MATERIALS:

Pump body, shaft, suction strainer, screws: stainless steel Aisi304

Pump head: nickel plated cast iron

Peripheral impeller: brass

Double mechanical seal separated by an oil chamber (in compliance with FDA – Food, Drug Administration and annex G.U. n° 104 of 20/04/73 for oils in contact with food stuffs)

Standard electric cable: 10 mt cable in Neoprene.

ELECTRIC MOTOR:

Asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP58.

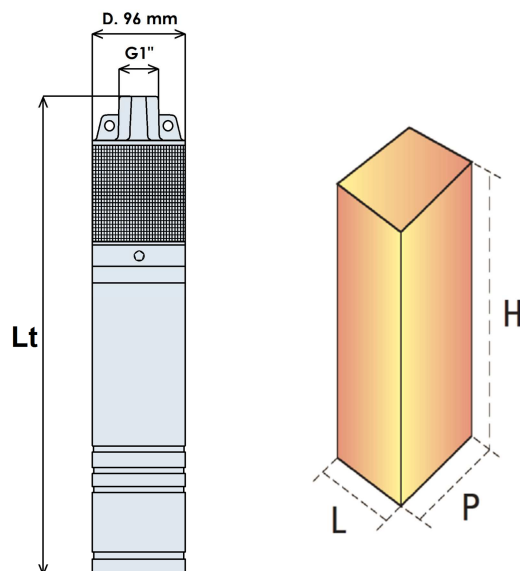
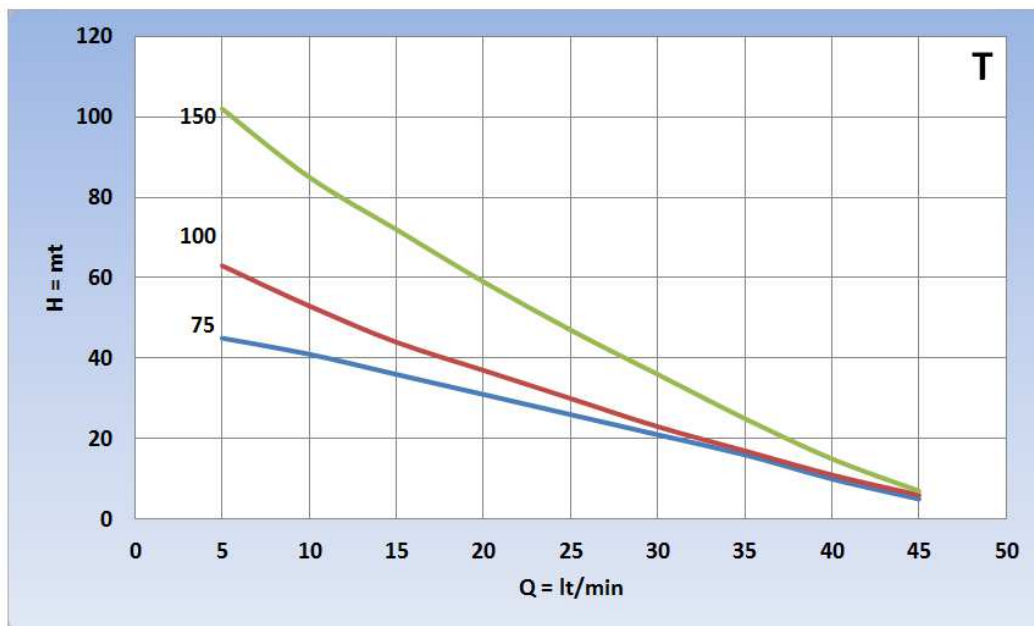
Standard voltages: M = 230/240-50; T = 230/400-50.

Single phase motors suitable to work with with permanent capacitor.

SERIES TURBO

PERIPHERAL 4" SUBMERSIBLE PUMPS

TYPE	POWER		ABSORPTION AMP.		Q = debit									
					Q = m ³ /h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	HP	KW	230V-M	400V-T	Q = lt/min	5	10	15	20	25	30	35	40	45
T/75	0,75	0,55	4,3	1.9	H=mt	45	41	36	31	26	21	16	11	5
T/100	1	0,75	5,8	2,4		63	49	42	37	30	23	16	10	6
T/150	1,5	1,1	7,9	3,2		102	68	67	58	48	37	25	15	7



TYPE	Lt		L	P	H	KG	
	1-ph	3-ph				1-ph	3-ph
T/75	435	435	250	170	500	12,5	12,5
T/100	460	435	250	170	500	13	12,5
T/150	530	495	250	170	600	15	14

SERIES DP

CLOSE-COUPLED 5" SUBMERSIBLE PUMPS



Pumps for clean water made in Aisi 304 stainless steel and with noryl impellers, with good debit and pressure performances. The pump may be used in various installation (Water distribution, pressure boosting, Rainwater collection, Irrigation / Gardening / Sprinklers, Dewatering, Wash down units, Fountains ecc.) and may operate in vertical or horizontal position. Internal PSC class B capacitor. The particularity of this pump is that the float switch is supplied separately on request and may be inserted or removed (a special tap is supplied to seal the hole) in relation with the installation of the pump (this allow distributors to avoid double stock).

LIMITS OF USE:

Max Temperature of liquid: 40°C
Maximum working pressure: 10 bar (15 bar for "HF" series)
Max immersion depth: 20 mt
Max density of liquid: 1100 kg/m³.
Max. sand allowed: 60 gr/m³
Max. passage of solids: 2 mm

CONSTRUCTION MATERIALS:

Pump body, head, shaft, suction strainer, screws: stainless steel Aisi304
Impellers and diffusers: noryl
Double mechanical seal separated by an oil chamber (in compliance with FDA – Food, Drug Administration and annex G.U. n° 104 of 20/04/73 for oils in contact with food stuffs)
Standard electric cable: 10 mt cable in H07RN-F (single-ph versions with plug, on request with 20 or 40 mt)

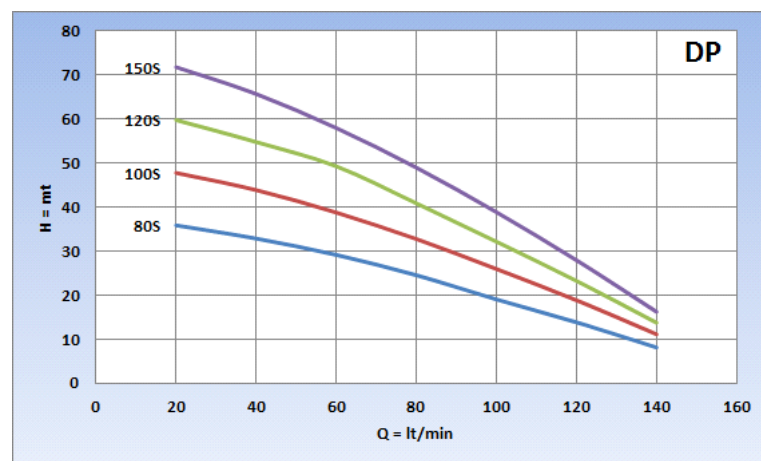
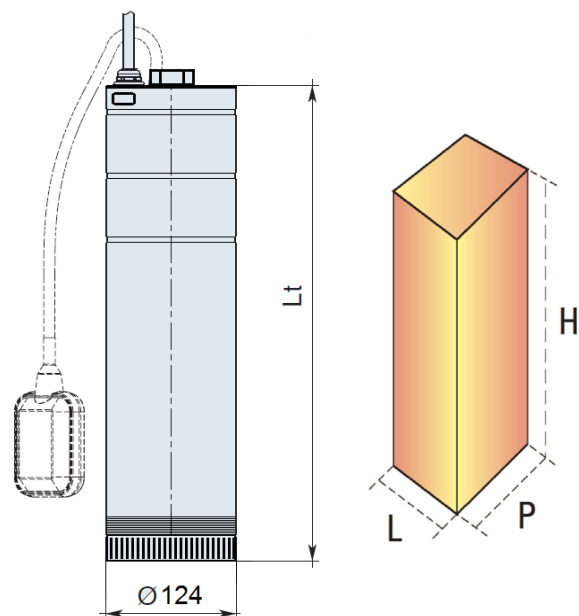
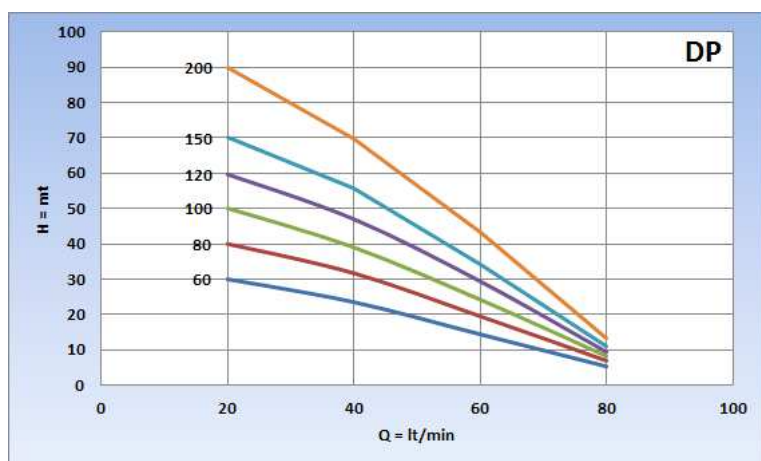
ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.
Standard voltages: M = 230/240-50; T = 230/400-50.
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

SERIES DP

CLOSE-COUPLED 5" SUBMERSIBLE PUMPS

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = debit								
	HP	KW		MF/450V	230V-M	400V-T	Q = m3/h	1,2	2,4	3,6	4,8	6,0	7,2	8,4
							Q = lt/min	20	40	60	80	100	120	140
DP/60	0,6	0,45	16	3.7	1.4	H = mt	30	23,5	14,4	5,3				
DP/80	0,75	0,55	25	4	1.9		40	31,7	19,5	6,9				
DP/100	1	0,75	25	5.7	2.2		50,1	39	24,2	8,2				
DP/120	1,2	0,9	35	6.5	2.6		59,7	47,0	29,4	9,4				
DP/150	1,5	1,1	35	7.6	2.9		70	55,7	34,0	10,9				
DP/200	2	1,5	40	9.8	3.5		90	69,8	43,4	13,3				
DP/80S	0,75	0,55	25	4.2	2.1		35,9	32,9	29,2	24,6	19,1	13,9	8,2	
DP/120S	1,2	0,9	35	6.4	2.5		47,8	43,9	38,8	32,8	26,0	18,9	11,2	
DP/150S	1,5	1,1	35	8	3		59,8	54,8	49,3	40,9	32,2	23,3	13,8	
DP/200S	2	1,5	40	9.15	3.4		71,8	65,7	58	49,0	38,9	28,0	16,3	



TYPE	Lt	L	P	H	KG
DP/60	439	230	175	720	14
DP/80	495				15.5
DP/100	521				16.5
DP/120	590				19
DP/150	616				20
DP/200	698				23.5
DP/80S	469				16
DP/120S	515				17.5
DP/150S	541				18.5
DP/200S	620				20.5

SERIES DX

CLOSE-COUPLED 5" SUBMERSIBLE PUMPS



Pumps for clean water fully made in Aisi 304 stainless steel and with good debit and pressure performances. The pump may be used in various installation (Water distribution, pressure boosting, Rainwater collection, Irrigation / Gardening / Sprinklers, Dewatering, Wash down units, Fountains ecc.) and may operate in vertical or horizontal position. The pumps may be supplied with inserted or external capacitor (version "HF" is available only with external capacitor) and capacitors box may be supplied on request. The pumps may be supplied without or with float switch (version "Aut").

LIMITS OF USE:

Max Temperature of liquid: 40°C
Maximum working pressure: 10 bar (15 bar for "HF" series)
Max immersion depth: 20 mt
Max density of liquid: 1100 kg/m³.
Max. sand allowed: 50 gr/m³
Max. passage of solids: 2 mm

CONSTRUCTION MATERIALS:

Pump body, head, impellers, diffusers, shaft, suction strainer, screws: stainless steel Aisi304
Double mechanical seal separated by an oil chamber (in compliance with FDA – Food, Drug Administration and annex G.U. n° 104 of 20/04/73 for oils in contact with food stuffs)
Standard electric cable: 20 mt cable in H07RN-F (single-ph versions with plug)

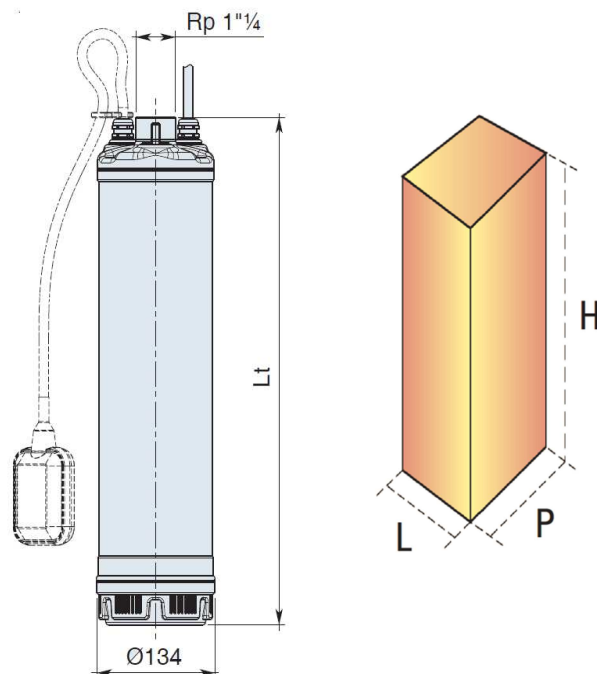
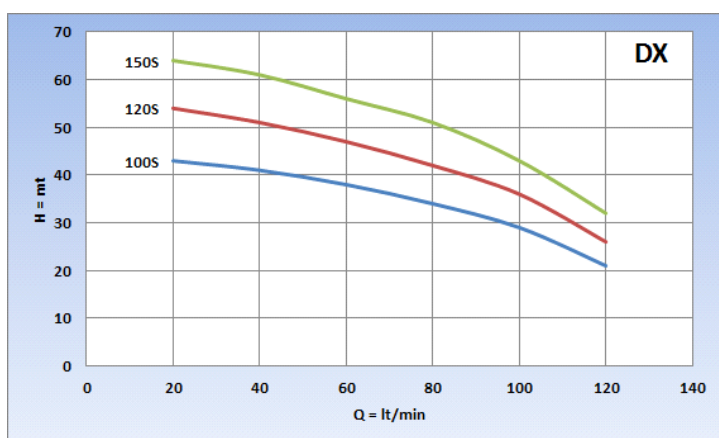
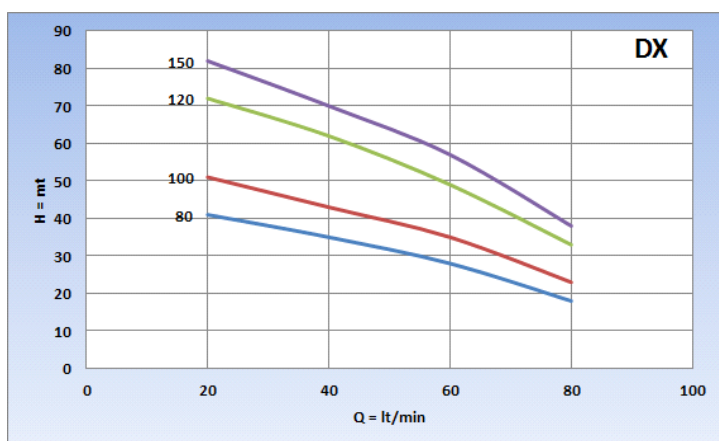
ELECTRIC MOTOR:

asynchronous, 2 poles, non toxic oil lubricated, insulation class F, grade of protection IP68.
Standard voltages: M = 230/240-50; T = 230/400-50.
Single phase motors is provided with a thermic protection regulated on 130°C. The protection of three-phase motors have to be arranged by the user.

SERIES DX

CLOSE-COUPLED 5" SUBMERSIBLE PUMPS

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = debit						
						Q = m3/h	1,2	2,4	3,6	4,8	6,0	7,2
	HP	KW	MF/450V	230V-M	400V-T	Q = lt/min	20	40	60	80	100	120
DX/80	0,75	0,55	20	4,0	2,0	H=mt	41	35	28	18		
DX/100	1	0,75	20	4,7	2,1		51	43	35	23		
DX/120	1,2	0,9	31,5	6,7	2,5		72	62	49	33		
DX/150	1,5	1,1	31,5	7,2	2,7		82	70	57	38		
DX/100S	1	0,75	20	5,0	2,2		43	41	38	34	29	21
DX/120S	1,2	0,9	31,5	6,6	2,5		54	51	47	42	36	26
DX/150S	1,5	1,1	31,5	7,4	2,7		64	61	56	51	43	32

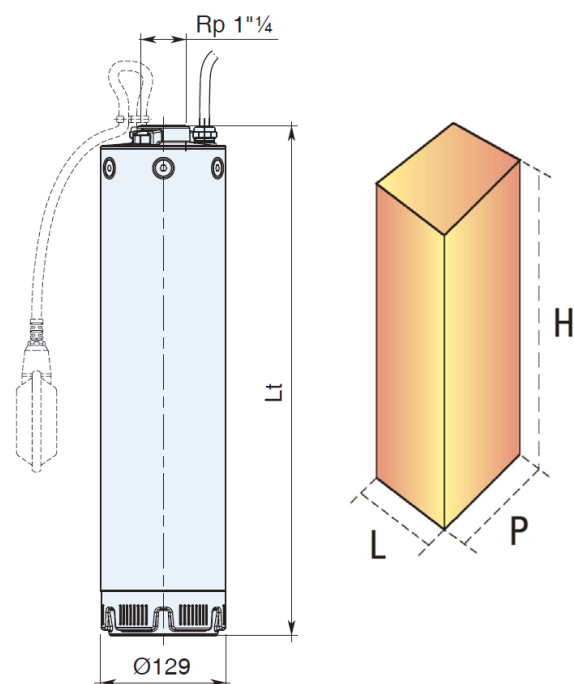
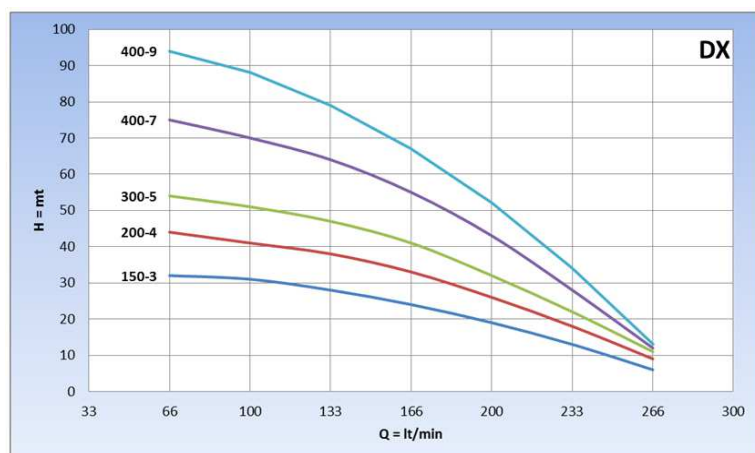


TYPE	Lt	L	P	H	KG	
					M	T
DX/80	M = 470 T = 520	230	175	720	13.8	16.2
DX/100	544				15.6	16.8
DX/120	592				18.8	18.0
DX/150	616				19.4	18.6
DX/100S	M = 470 T = 520	230	175	720	14.8	16.2
DX/120S	544				17.6	16.8
DX/150S	568				18.2	17.4

SERIES DX

CLOSE-COUPLED 5" SUBMERSIBLE PUMPS

TYPE	POWER		CAP.	ABSORBTION AMP.		Q = debit							
						Q = m3/h	4	6	8	10	12	14	16
	HP	KW	MF/450V	230V-M	400V-T	Q = lt/min	66	100	133	166	200	233	266
DX/150 HF-3	1,5	1,1	30	6.9		H = mt	32	31	27	24	18	11	6
DX/200 HF-4	2	1,5	35	9.7	3.2		44	41	38	33	25	15	9
DX/300 HF-5	3	2,2	45	10.5	5.0		54	51	47	41	31	18	11
DX/400 HF-7	4	3			5.9		75	70	64	56	42	24	12
DX/400 HF-9	4	3			6.8		94	88	79	68	50	27	13



TYPE	Lt	L	P	H	KG	
					M	T
DX/150 HF-3	504	175	230	720	18.5	
DX/200 HF-4	584	175	230	720	21.5	19.5
DX/300 HF-5	614	195	230	800	23.5	22.0
DX/400 HF-7	674	195	230	800		24.5
DX/400 HF-9	734	195	230	800		25.5

SERIES 3

3" SUBMERSIBLE PUMPS



3" submersible pumps suitable for pumping of clean water in water plants and systems for residential and industrial use, pressurizing systems and irrigation plants. Pumps with NEMA coupling for submersible motors (supplied on request), and may work in continuous or intermittent duty.

LIMITS OF USE:

Max Temperature of liquid: 45°C

Max quantity of sand in the water: 60 gr/m3.

CONSTRUCTION MATERIALS:

Pump body, shaft, suction strainer: stainless steel

Pump head and motor bracket: brass (stainless steel on request)

Impellers: noryl

Diffusers: self – lubricating polyacetal.

Head valve in noryl

Upper bush: special anti – sand rubber

ACCESSORIES:

- 3" submersible electric motors at NEMA standards:

Asynchronous, 2 poles, non toxic oil (rewindable) or water (non rewindable) lubricated, insulation class F, grade of protection IP58.

Standard voltages: M = 230/240-50; T = 230/400-50.

Rated powers from 0,33 to 1,1 Kw. Supplied with standard cable

- Control boxes

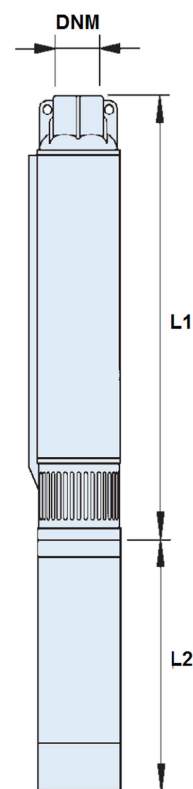
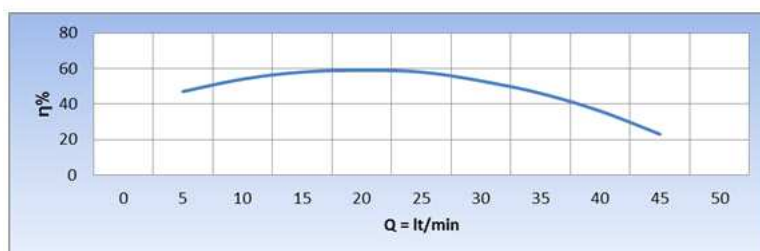
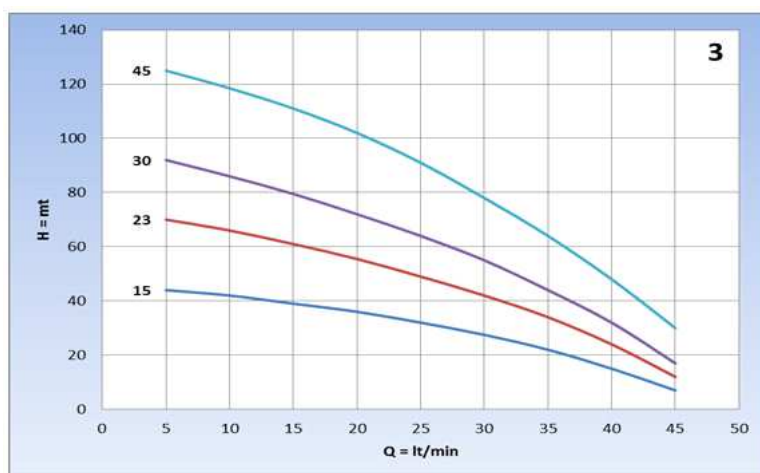
It's highly suggested to protect the motor properly (pls contact us for control boxes, supplied on request)

- H07RN-F rubber electric extra cable

SERIES 3

3" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit									
			Q = m ³ /h	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	HP	KW	Q = lt/min	5	10	15	20	25	30	35	40	45
3/15	0,5	0,33	H = mt	45	41	38	35	31	27	20	15	7
3/23	0,75	0,55		70	66	60	55	48	42	37	24	12
3/30	1	0,75		92	86	79	72	64	56	43	32	15
3/45	1,5	1,1		125	118	111	103	90	75	62	47	30



TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
3/15	0,5	0,33	580	M = 377 / T = 377	M = 957 / T = 957	1 "	3,3	M = 9,3 / T = 9,3
3/23	0,75	0,55	780	M = 397 / T = 377	M = 1177 / T = 1157		4,4	M = 10,8 / T = 10,5
3/30	1	0,75	1000	M = 461 / T = 397	M = 1461 / T = 1397		5,6	M = 12,4 / T = 12,0
3/45	1,5	1,1	1380	T = 461	T = 1841		7,6	T = 14,4

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS



4" submersible multistage at NEMA standards, suitable for pumping of clean water in 4" wells, water plants and systems for residential and industrial use, pressurizing systems and irrigation plants.

Pumps of the serie A-B-CC are radial type and standard outlet is 1,25" (on request 1,5"). Pumps of the series K-L-M are mixed-flow type and the outlet is of 2". Radial pumps are used where important heights and medium deliveries are requested, while mixed-flow pumps are used where medium heights and big deliveries are needed.

Pumps have to be coupled with 4" submersible motors at NEMA standards, lubricated either with non-toxic oil (rewindable) either with water (not rewindable). Oil lubricated motors are preferable in places where the electric current isn't firm.

The electric pumps have never to operate without water. Quality protections (control boards and water levels) are highly suggested.

LIMITS OF USE:

Max Temperature of liquid: 45°C

Max quantity of sand in the water: 60 gr/m3.

CONSTRUCTION MATERIALS:

Pump body, shaft, suction strainer: stainless steel

Pump head and motor bracket: brass (stainless steel on request)

Impellers: noryl

Diffusers: self – lubricating polyacetal.

Head valve in noryl

Upper bush: special anti – sand rubber

ACCESSORIES:

- 4" submersible electric motors at NEMA standards:

Asynchronous, 2 poles, non toxic oil (rewindable) or water (non rewindable) lubricated, insulation class F, grade of protection IP58.

Standard voltages: M = 230/240-50; T = 230/400-50.

Rated powers from 0,25 to 7,5 Kw. Supplied with standard cable

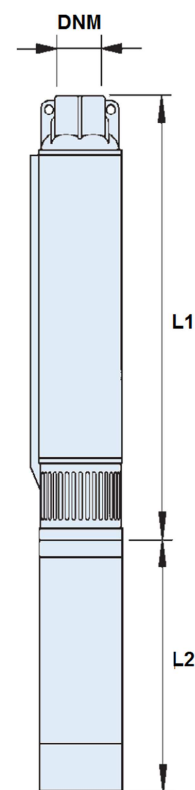
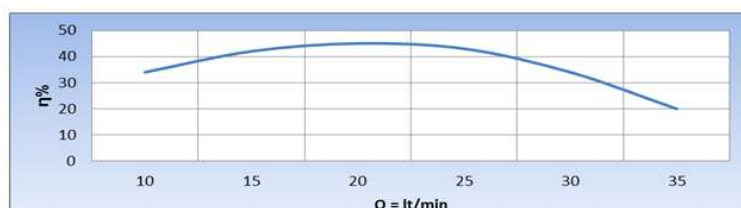
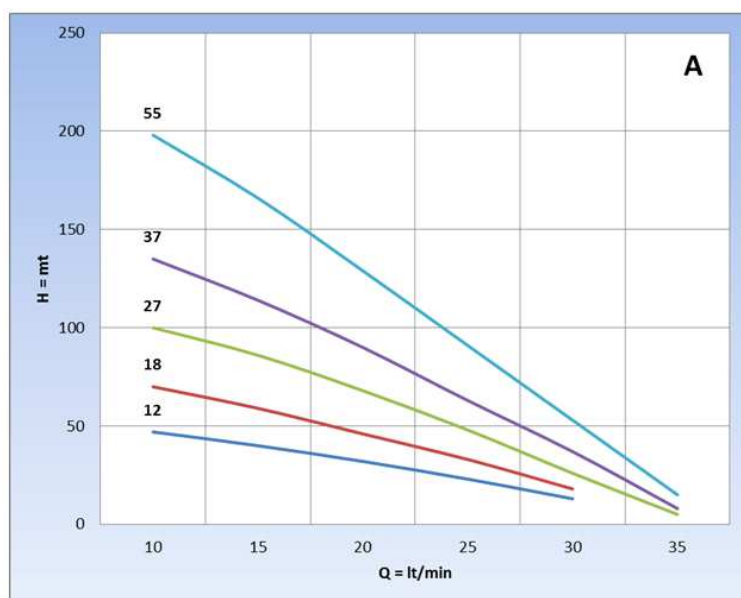
- Control boxes

- H07RN-F rubber electric cable

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit						
			Q = m ³ /h	0,6	0,9	1,2	1,5	1,8	2,1
	HP	KW	Q = lt/min	10	15	20	25	30	35
A/12	0,33	0,25	H = mt	47	40	32	23	13	
A/18	0,5	0,33		70	59	44	33	18	
A/27	0,75	0,55		100	88	66	48	26	5
A/37	1	0,75		135	110	90	63	35	8
A/55	1,5	1,1		198	166	128	93	49	15

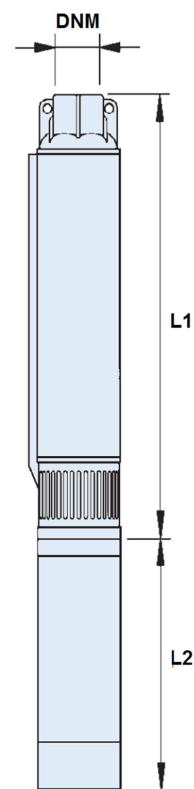
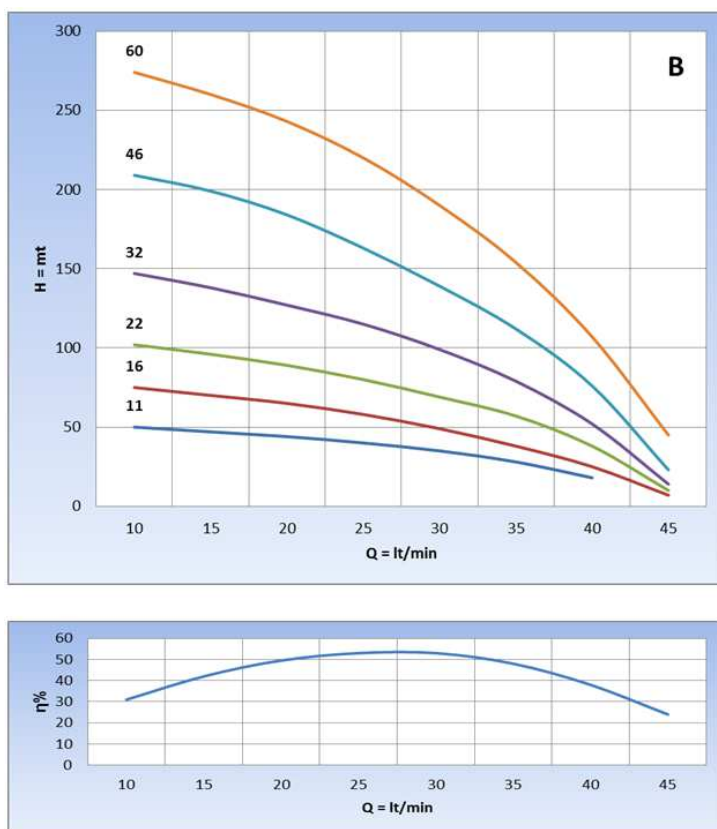


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
A/12	0,33	0,25	485			1,25 "	3,9	
A/18	0,5	0,37	605	M = 356,5 / T = 341,5	M = 961,5 / T = 946,5		4,6	M = 10,8 / T = 11,0
A/27	0,75	0,55	780	M = 376,5 / T = 356,5	M = 1156,5 / T = 1136,5		5,9	M = 14,0 / T = 12,8
A/37	1	0,75	980	M = 391,5 / T = 376,5	M = 1371,5 / T = 1356,5		7,1	M = 15,7 / T = 15,2
A/55	1,5	1,1	1375	M = 416,5 / T = 391,5	M = 1791,5 / T = 1766,5		9,7	M = 19,5 / T = 18,3

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit								
			Q = m ³ /h	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7
	HP	KW	Q = lt/min	10	15	20	25	30	35	40	45
B/11	0,5	0,33	H = mt	50	47	40	38	34	28	20	
B/16	0,75	0,55		75	70	65	58	49	38	27	7
B/22	1	0,75		102	96	89	80	69	57	40	10
B/32	1,5	1,1		147	138	127	115	99	79	58	14
B/46	2	1,5		209	199	184	163	139	112	80	23
B/60	3	2,2		274	260	243	220	190	154	116	45

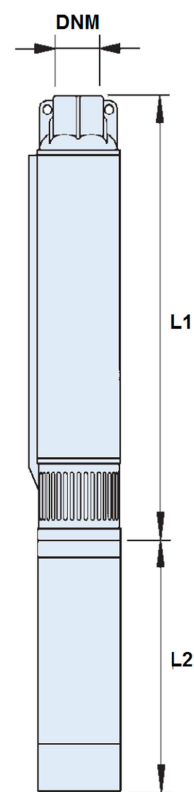
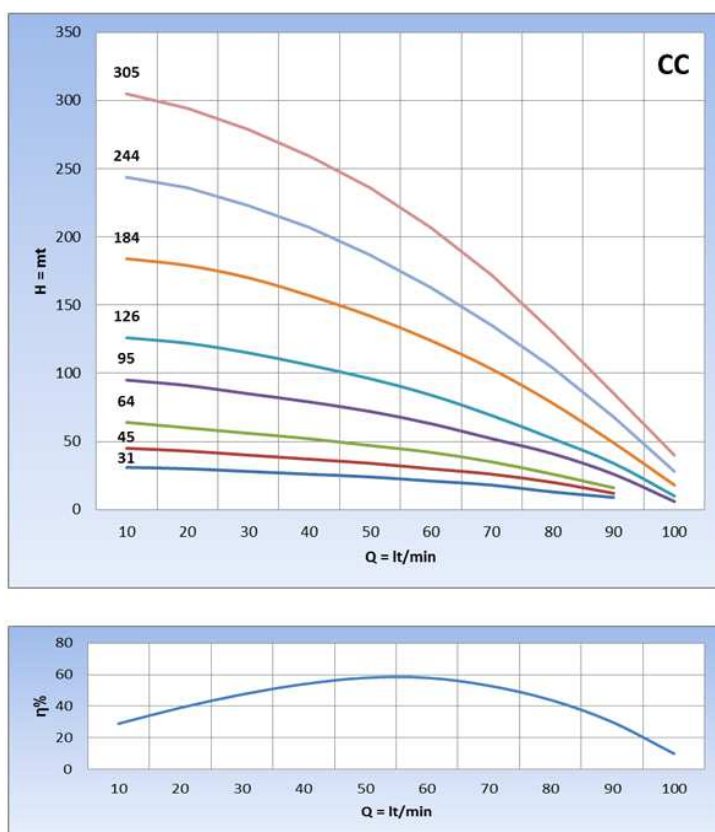


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
B/11	0,5	0,33	465	M = 356,5 / T = 341,5	M = 821,5 / T = 806,5	1,25"	3,8	M = 10,7 / T = 10,2
B/16	0,75	0,55	565	M = 376,5 / T = 356,5	M = 941,5 / T = 921,5		4,4	M = 12,5 / T = 11,3
B/22	1	0,75	685	M = 391,5 / T = 376,5	M = 1076,5 / T = 1061,5		5,1	M = 13,7 / T = 13,2
B/32	1,5	1,1	880	M = 416,5 / T = 391,5	M = 1296,5 / T = 1271,5		6,4	M = 16,2 / T = 15,0
B/46	2	1,5	1155	M = 451,5 / T = 416,5	M = 1606,5 / T = 1571,5		8,3	M = 19,7 / T = 18,1
B/60	3	2,2	1475	M = 506,5 / T = 451,5	M = 1981,5 / T = 1926,5		10,4	M = 24,2 / T = 21,8

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit										
			Q = m ³ /h	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4	6,0
	HP	KW	Q = lt/min	10	20	30	40	50	60	70	80	90	100
CC/05	0,5	0,33	H = mt	32	29	27	25	23	21	17	13	9	
CC/07	0,75	0,55		44	41	39	36	34	30	26	20	12	
CC/10	1	0,75		64	58	54	50	47	42	35	26	16	
CC/15	1,5	1,1		95	91	85	79	72	61	52	39	26	6
CC/20	2	1,5		126	122	115	105	96	84	69	52	34	10
CC/30	3	2,2		184	179	168	154	142	124	104	78	49	18
CC/40	4	3		244	236	223	307	187	163	136	102	68	28
CC/50	5,5	4		305	298	279	259	238	208	172	130	83	40

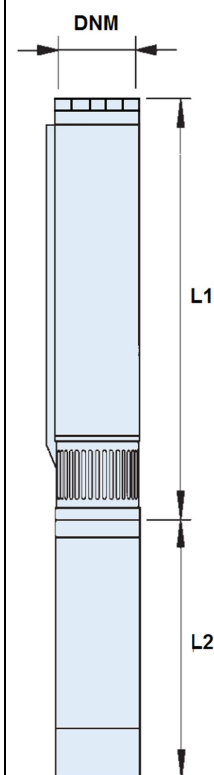
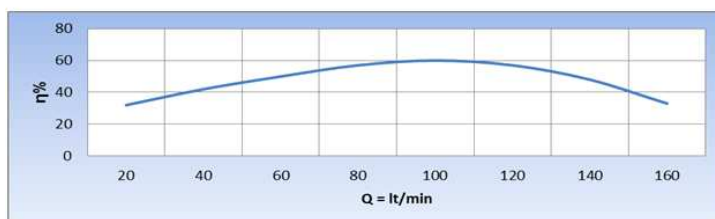
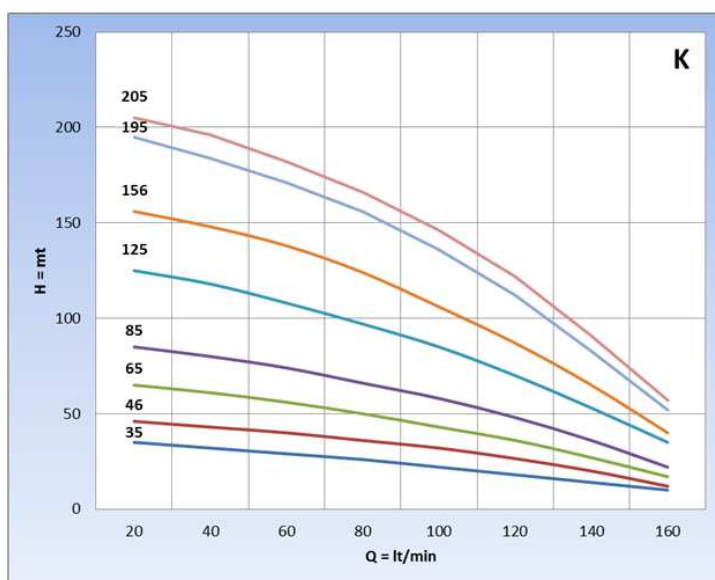


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
CC/05	0,5	0,33	410	M = 356,5 / T = 341,5	M = 766,5 / T = 751,5	1,25"	3,6	M = 10,5 / T = 10,0
CC/07	0,75	0,55	475	M = 376,5 / T = 356,5	M = 851,5 / T = 831,5		4,0	M = 12,1 / T = 10,9
CC/10	1	0,75	570	M = 391,5 / T = 376,5	M = 961,5 / T = 946,5		4,6	M = 13,2 / T = 12,7
CC/15	1,5	1,1	730	M = 416,5 / T = 391,5	M = 1146,5 / T = 1121,5		5,7	M = 15,5 / T = 14,3
CC/20	2	1,5	895	M = 451,5 / T = 416,5	M = 1346,5 / T = 1311,5		6,8	M = 18,2 / T = 16,5
CC/30	3	2,2	1215	M = 506,5 / T = 451,5	M = 1721,5 / T = 1666,5		9,0	M = 22,8 / T = 20,4
CC/40	4	3	1535	T = 506,5	T = 2041,5		11,2	T = 25,0
CC/50	5,5	4	1900	T = 629,5	T = 2529,5		14,0	T = 33,6

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit								
			Q = m ³ /h	1,2	2,4	3,6	4,8	6,0	7,2	8,4	9,6
	HP	KW	Q = lt/min	20	40	60	80	100	120	140	160
K/05	0,75	0,55	H = mt	35	31	28	25	22	18	13	10
K/07	1	0,75		46	44	40	36	31	26	20	12
K/10	1,5	1,1		65	61	56	50	43	35	27	17
K/13	2	1,5		85	80	74	66	58	48	36	22
K/19	3	2,2		125	118	108	96	85	72	56	35
K/24	4	3		156	148	138	124	106	86	64	40
K/29	5,5	4		195	184	169	154	136	115	87	52
K/32	5,5	4		205	194	180	166	148	122	93	57

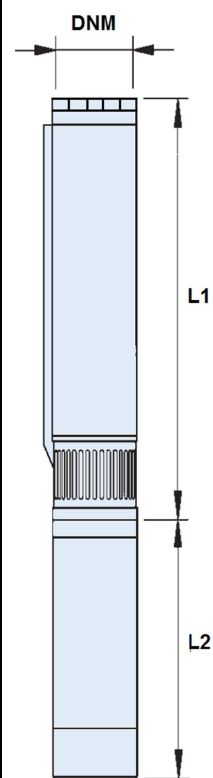
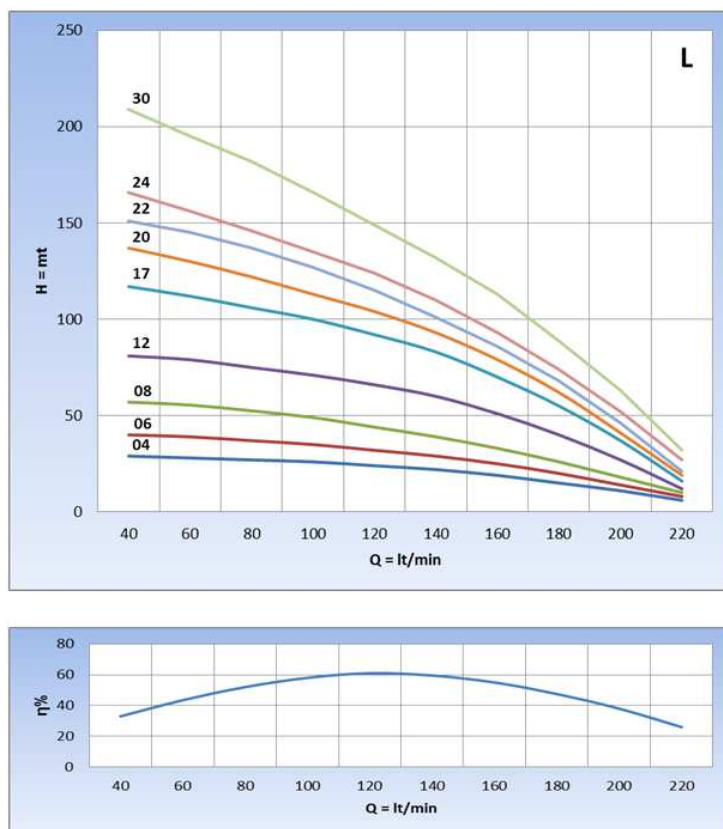


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
K/05	0,75	0,55	525	M = 376,5 / T = 356,5	M = 901,5 / T = 881,5	2"	4,2	M = 12,3 / T = 11,1
K/07	1	0,75	630	M = 391,5 / T = 376,5	M = 1021,5 / T = 1006,5		4,0	M = 12,6 / T = 12,1
K/10	1,5	1,1	790	M = 416,5 / T = 391,5	M = 1206,5 / T = 1181,5		5,7	M = 15,5 / T = 14,3
K/13	2	1,5	950	M = 451,5 / T = 416,5	M = 1401,5 / T = 1366,5		6,6	M = 18,0 / T = 16,4
K/19	3	2,2	1265	M = 506,5 / T = 451,5	M = 1771,5 / T = 1716,5		8,5	M = 22,3 / T = 19,9
K/24	4	3	1585	T = 506,5	T = 2091,5		10,7	T = 24,5
K/29	5,5	4	1850	T = 629,5	T = 2479,5		12,2	T = 31,8
K/32	5,5	4	2010	T = 629,5	T = 2639,5		13,1	T = 32,7

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit										
			Q = m3/h	2,4	3,6	4,8	6,0	7,2	8,4	9,6	10,8	12	13,2
	HP	KW	Q = lt/min	40	60	80	100	120	140	160	180	200	220
L/04	1	0,75	H = mt	29	28	27	24	22	21	17	15	11	6
L/06	1,5	1,1		40	39	37	34	31	29	24	20	14	9
L/08	2	1,5		57	54	51	47	44	40	33	26	18	10
L/12	3	2,2		117	111	105	98	90	83	67	57	35	16
L/17	4	3		137	128	122	113	101	95	77	65	41	19
L/20	5,5	4		137	128	122	113	101	95	77	65	41	19
L/22	5,5	4		151	143	137	126	115	105	84	71	46	21
L/24	5,5	4		166	154	146	135	120	115	93	74	52	27
L/30	7,5	5,5		209	193	182	168	147	135	108	91	59	32

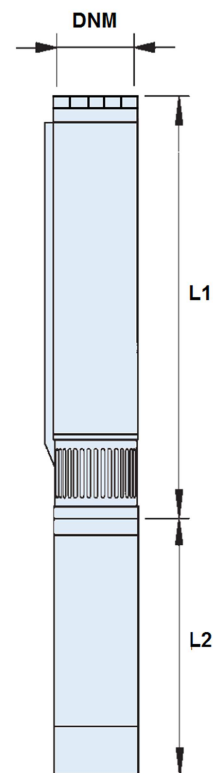
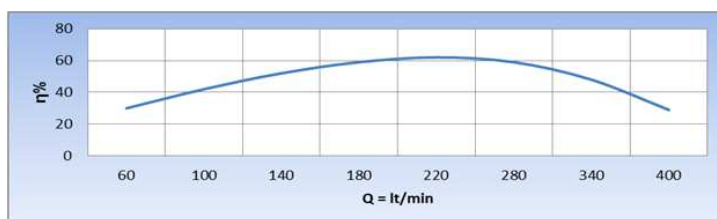
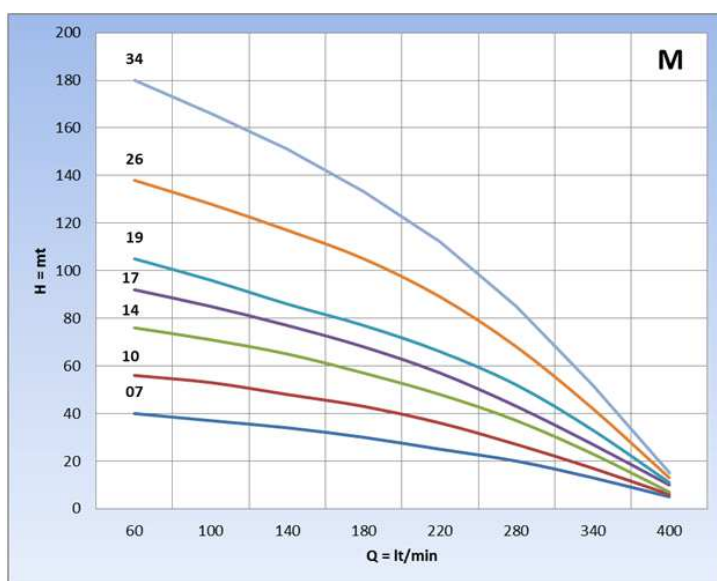


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
L/04	1	0,75	475	M = 391,5 / T = 376,5	M = 866,5 / T = 851,5	2"	3,9	M = 12,5 / T = 12,0
L/06	1,5	1,1	580	M = 416,5 / T = 391,5	M = 996,5 / T = 971,5		4,5	M = 14,3 / T = 13,1
L/08	2	1,5	685	M = 451,5 / T = 416,5	M = 1136,5 / T = 1101,5		5,1	M = 16,5 / T = 14,9
L/12	3	2,2	895	M = 506,5 / T = 451,5	M = 1401,5 / T = 1346,5		6,3	M = 20,1 / T = 17,7
L/17	4	3	1160	T = 506,5	T = 1666,5		7,9	T = 21,7
L/20	5,5	4	1375	T = 629,5	T = 2004,5		9,5	T = 29,1
L/22	5,5	4	1480	T = 629,5	T = 2109,5		10,1	T = 29,7
L/24	5,5	4	1585	T = 629,5	T = 2214,5		10,7	T = 30,3
L/30	7,5	5,5	1905	T = 689,5	T = 2594,5		12,5	T = 35,9

SERIES A-B-CC-K-L-M

4" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit								
			Q = m3/h	3,6	6	8,4	10,8	13,2	16,8	20,1	24
	HP	KW	Q = lt/min	60	100	140	180	220	280	340	400
M/07	2	1,5	H = mt	40	37	34	30	26	20	13	5
M/10	3	2,2		56	52	46	42	36	27	17	6
M/14	4	3		76	71	65	57	49	37	23	7
M/17	5	3,7		92	85	77	68	59	44	27	10
M/19	5,5	4		105	96	86	77	66	49	31	11
M/26	7,5	5,5		138	128	117	105	89	65	41	13
M/34	10	7,5		180	166	151	133	116	85	52	45



TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
M/07	2	1,5	820	M = 685 / T = 416,5	M = 1505 / T = 1236,5	2"	5,9	M = 17,3 / T = 15,7
M/10	3	2,2	1055	M = 895 / T = 451,5	M = 1950 / T = 1506,5		7,3	M = 21,1 / T = 18,7
M/14	4	3	1435	T = 1160,0	T = 2595,0		9,5	T = 23,3
M/17	5	3,7	1665	T = 689,5	T = 2354,5		11,0	T = 33,6
M/19	5,5	4	1825	T = 629,5	T = 2454,5		12,0	T = 31,6
M/26	7,5	5,5	2435	T = 689,5	T = 3124,5		15,6	T = 39,0
M/34	10	7,5	3130	T = 789,5	T = 3919,5		19,3	T = 47,1

SERIES S

6" SUBMERSIBLE PUMPS



6" submersible multistage at NEMA standards, suitable for pumping of clean water in 6" wells, water plants and systems for residential and industrial use, pressurizing systems and irrigation plants.

Pumps have to be coupled with 4" submersible motors at NEMA standards, lubricated either with non-toxic oil either with water. Oil lubricated motors are preferable in places where the electric current isn't firm.

The electric pumps have never to operate without water. Quality protections (control boards and water levels) are highly suggested.

LIMITS OF USE:

Max Temperature of liquid: 45°C

Max quantity of sand in the water: 90 gr/m3.

CONSTRUCTION MATERIALS:

Pump body, shaft, suction strainer: stainless steel

Pump head and motor bracket: brass (stainless steel on request)

Impellers: noryl

Diffusers: self – lubricating polyacetal.

Head non return valve in hostaform (brass for powers up to 15 Kw)

Upper bush: special anti – sand rubber

Maximum diameter of the pump = 147 mm

ACCESSORIES:

- 4" and 6" submersible electric motors at NEMA standards:

Asynchronous, 2 poles, non toxic oil or water lubricated motors, rewindable or not rewindable, insulation class F, grade of protection IP58. Pumps till 10 Hp may be coupled with 4" subm. motors (special motor brackets available).

Standard voltages: DOL = 400V and SD = 400/690V – 50 Hz..

Rated powers from 4 to 45 Kw. Supplied with standard cable.

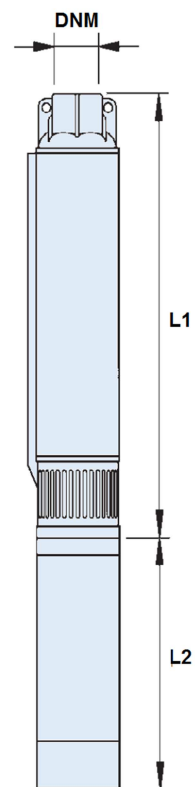
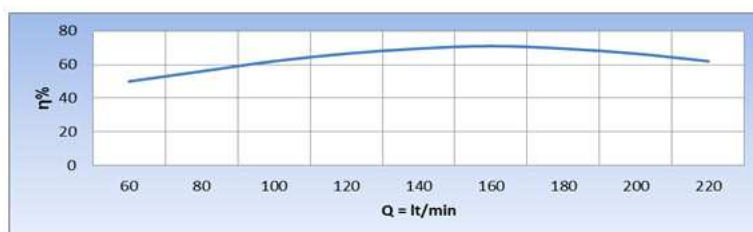
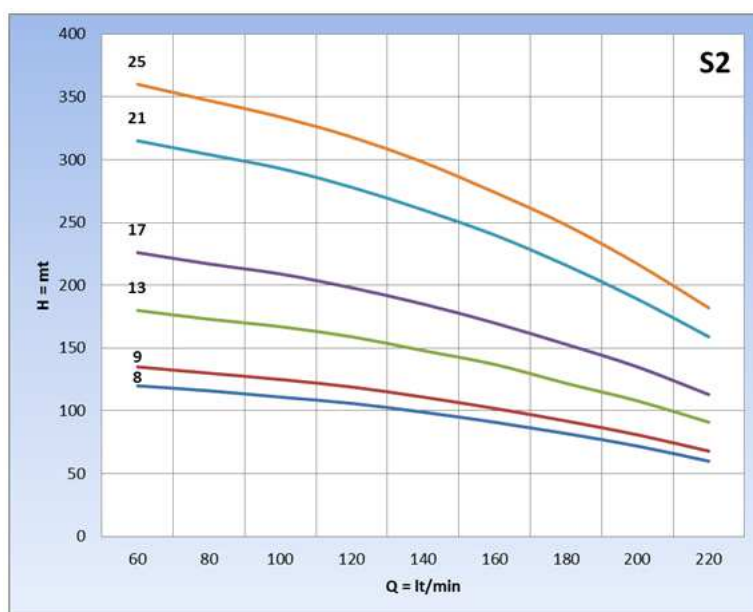
- Control boxes

- H07RN-F rubber electric cable

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit									
			Q = m ³ /h	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2
	HP	KW	Q = lt/min	60	80	100	120	140	160	180	200	220
S2/08	5,5	4	H = mt	120	116	111	106	99	91	82	72	60
S2/09	5,5	4		135	130	125	119	111	102	92	81	68
S2/13	7,5	5,5		180	173	167	159	148	137	122	108	91
S2/17	10	7,5		226	217	209	198	185	170	153	135	113
S2/21	12,5	9,2		315	304	293	278	260	240	216	189	159
S2/25	15	11		360	347	334	318	298	274	248	217	182

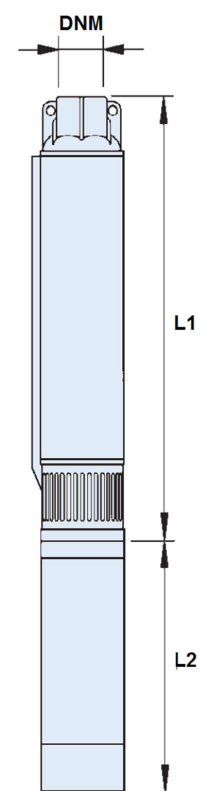
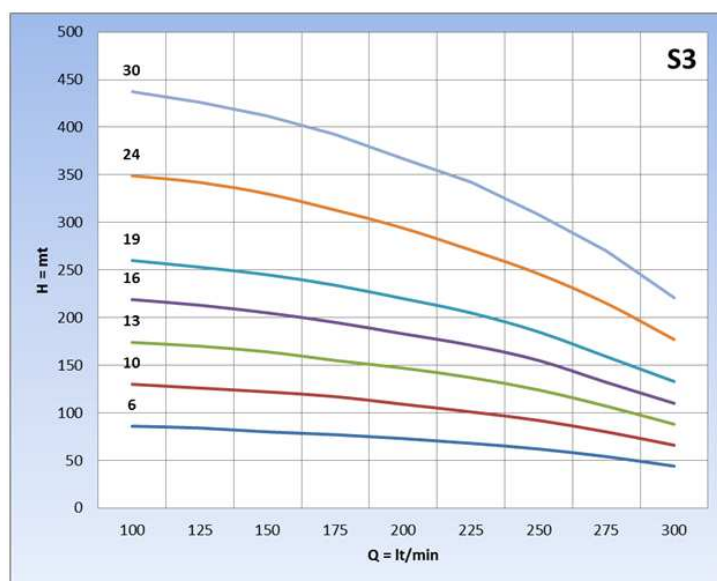


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
S2/08	5,5	4	72,5	61	133,5		15,7	35,7
S2/09	5,5	4	76,5	61	137,5		16,3	36,3
S2/13	7,5	5,5	92	70	162		18,5	43
S2/17	10	7,5	106,5	80	186,5		20,6	49,6
S2/21	12,5	9,2	122	60	182		22,9	67,9
S2/25	15	11	137,5	70	207,5		25,1	73,1

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit									
			Q = m ³ /h	6	7,5	9	10,5	12	13,5	15	16,5	18
	HP	KW	Q = lt/min	100	125	150	175	200	225	250	275	300
S3/06	5,5	4	H = mt	86	84	80	77	72	68	62	51	44
S3/10	7,5	5,5		130	126	122	117	109	101	93	80	66
S3/13	10	7,5		174	170	164	155	146	135	124	105	88
S3/16	12,5	9,2		219	213	205	195	183	171	155	132	110
S3/19	15	11		260	253	245	234	220	205	165	148	133
S3/24	20	15		349	342	330	310	292	273	258	215	177
S3/30	25	18,5		437	428	412	388	365	343	311	260	221

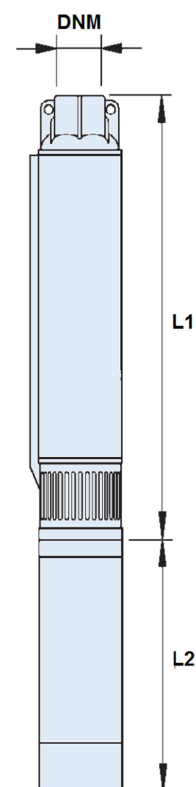
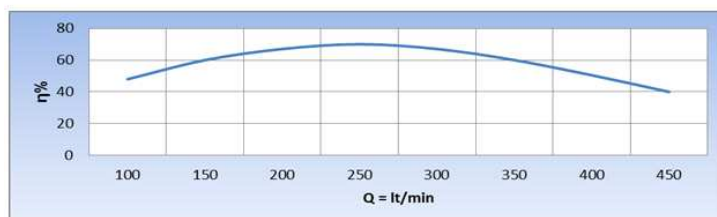
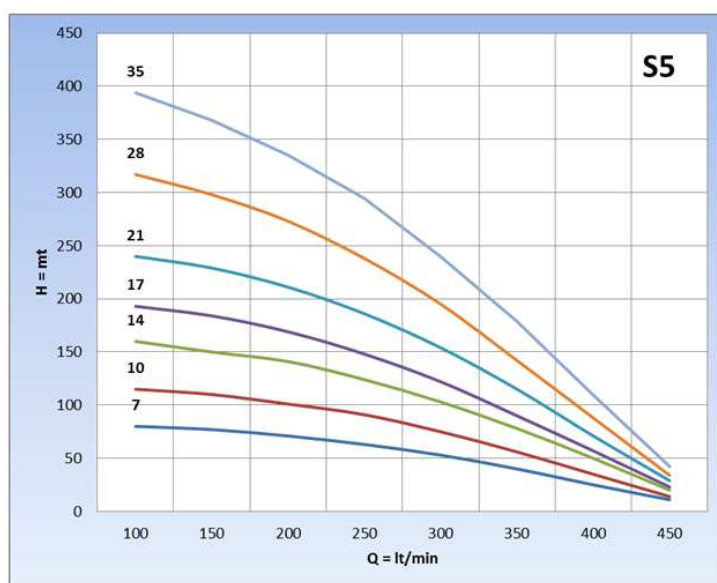


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
S3/06	5,5	4	65	61	126		14,6	34,6
S3/10	7,5	5,5	80,5	61	141,5		16,8	41,3
S3/13	10	7,5	92	70	162		18,5	47,5
S3/16	12,5	9,2	103	60	163		20,1	65,1
S3/19	15	11	114,5	70	184,5		21,8	69,8
S3/24	20	15	133,5	76	209,5		24,6	78,6
S3/30	25	18,5	161,5	83	244,5		28,9	93,9

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit								
			Q = m3/h	6	9	12	15	18	21	24	27
	HP	KW	Q = lt/min	100	150	200	250	300	350	400	450
S5/07	5,5	4	H = mt	80	75	71	63	53	40	23	11
S5/10	7,5	5,5		115	109	101	91	75	56	32	14
S5/14	10	7,5		160	150	141	124	100	75	45	20
S5/17	12,5	9,2		193	181	169	148	122	90	52	23
S5/21	15	11		240	225	211	186	152	111	67	29
S5/28	20	15		317	295	273	238	195	142	80	34
S5/35	25	18,5		394	368	341	295	243	177	101	42

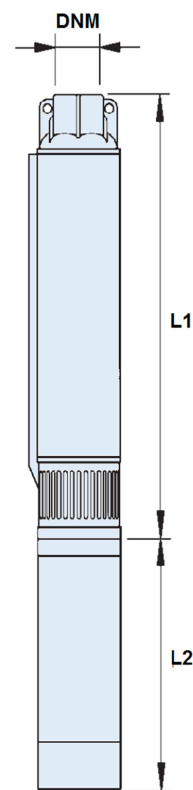
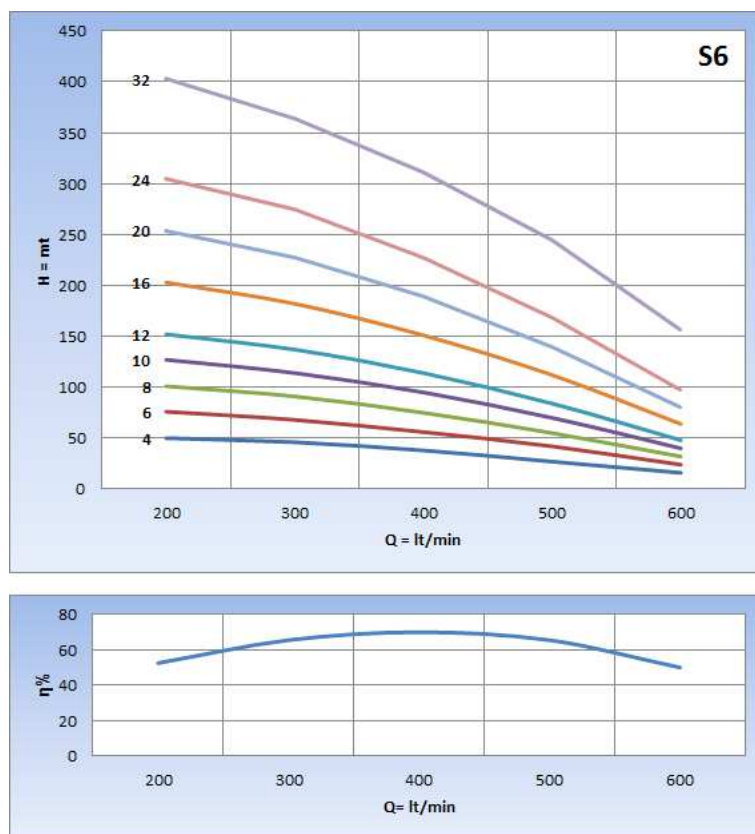


TYPE	MOTOR POWER		L1	L2	L1 + L2	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR
S5/07	5,5	4	77	61	138		17,5	37,5
S5/10	7,5	5,5	92	70	162		19,5	44
S5/14	10	7,5	112	80	192		22,5	51,5
S5/17	12,5	9,2	127	60	187		25	70
S5/21	15	11	147	70	217		28	76
S5/28	20	15	182	76	258		32,6	86,6
S5/35	25	18,5	222	83	305		38,5	103,5

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit							
			Q = m3/h	6	12	18	24	30	36	39
	HP	KW	Q = lt/min	100	200	300	400	500	600	650
S6/04	5,5	4	H = mt	57	51	46	38	27	16	10
S6/06	7,5	5,5		86	76	67	56	42	24	12
S6/08	10	7,5		116	102	92	75	55	32	15
S6/10	12,5	9,2		145	128	114	95	70	40	18
S6/12	15	11		173	153	137	114	84	48	22
S6/16	20	15		231	203	182	151	112	64	28
S6/20	25	18,5		290	255	230	190	140	80	35
S6/24	30	22		345	305	275	230	170	100	40
S6/32	40	30		430	405	365	313	247	156	110

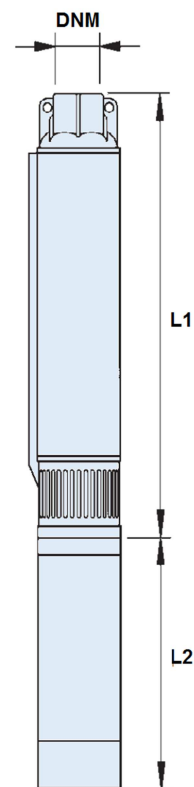
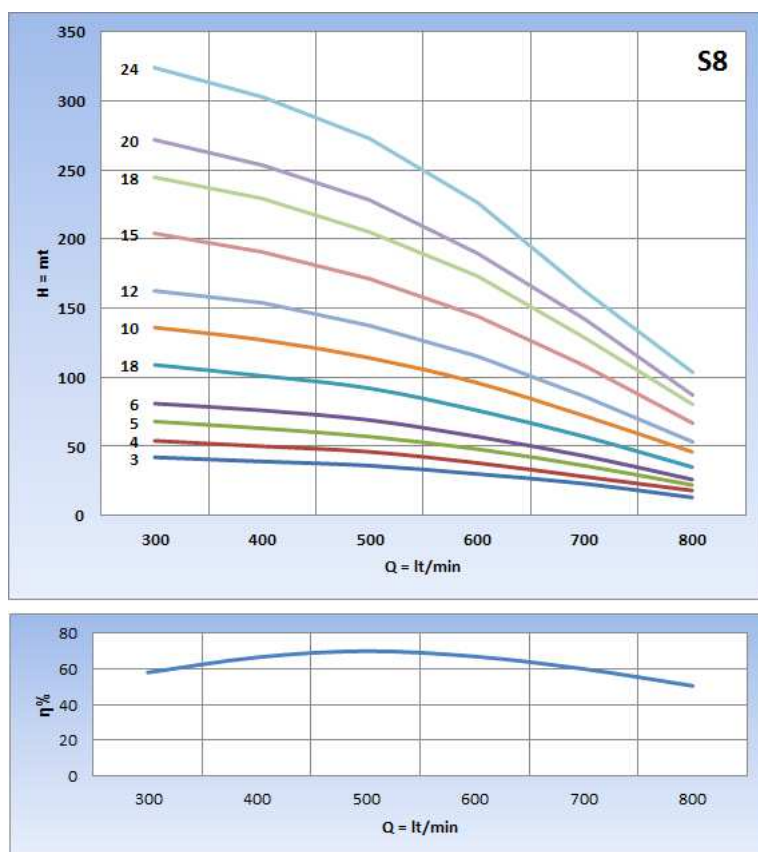


TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
S6/04	5,5	4	65	61	126		14	34
S6/06	7,5	5,5	76,5	70	146,5		15,6	40,1
S6/08	10	7,5	88	80	168		17,2	46,2
S6/10	12,5	9,2	99	60	159		18,8	63,8
S6/12	15	11	110,5	70	180,5		20,4	68,4
S6/16	20	15	133,5	76	209,5		23,6	77,6
S6/20	25	18,5	161,5	83	244,5		27,1	92,1
S6/24	30	22	184	89	273		30,7	100,7
S6/32	40	30	230	103	333		38	128

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit							
			Q = m3/h	12	18	24	30	36	42	48
	HP	KW	Q = lt/min	200	300	400	500	600	700	800
S8/03	5,5	4	H = mt	45	42	39	36	30	23	13
S8/04	7,5	5,5		60	55	50	45	38	28	18
S8/05	10	7,5		75	69	63	57	48	36	22
S8/06	12,5	9,2		90	81	76	69	57	43	26
S8/08	15	11		120	110	100	92	76	57	35
S8/10	20	15		150	136	127	114	96	72	46
S8/12	25	18,5		180	163	144	137	115	86	53
S8/15	30	22		225	205	190	170	145	110	70
S8/20	40	30		300	272	254	228	190	142	87
S8/24	50	37		245	325	304	274	226	163	103

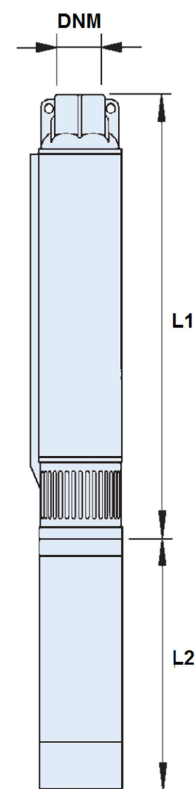
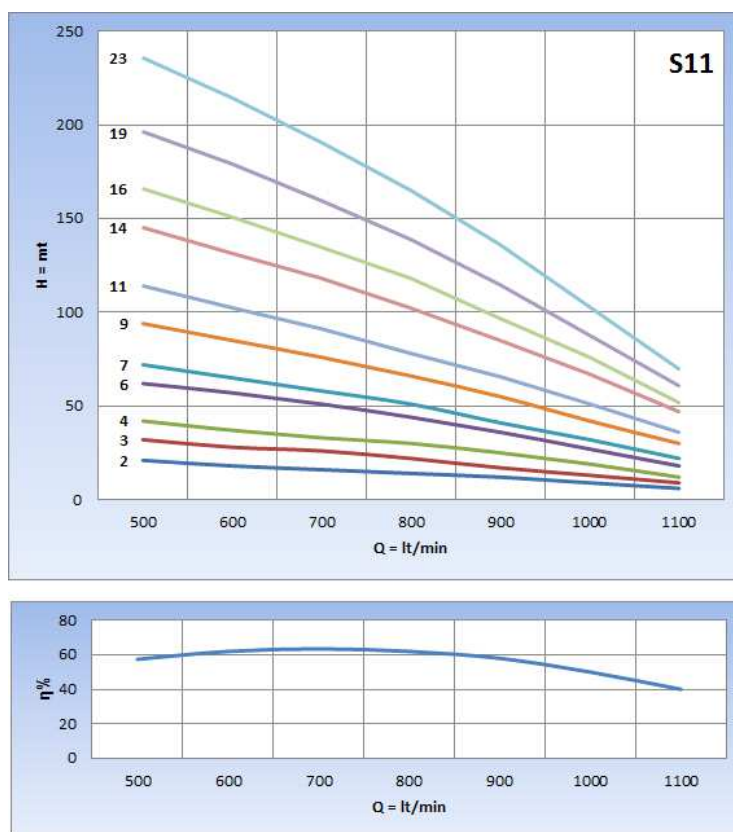


TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
S8/03	5,5	4	60	61	121		13,3	33,3
S8/04	7,5	5,5	66	70	136		14	38,5
S8/05	10	7,5	72	80	152		15,8	44,8
S8/06	12,5	9,2	78	60	138		16,5	61,5
S8/08	15	11	90	70	160		18	66
S8/10	20	15	102	76	178		19,5	73,5
S8/12	25	18,5	114,5	83	197,5		21	86
S8/15	30	22	132,5	89	221,5		23,3	93,3
S8/20	40	30	167,5	103	270,5		27,9	117,9
S8/24	50	37	191,5	117	308,5		31,5	132,5

SERIES S

6" SUBMERSIBLE PUMPS

TYPE	POWER		Q = debit									
			Q = m3/h	18	24	30	36	42	48	54	60	66
	HP	KW	Q = lt/min	300	400	500	600	700	800	900	1000	1100
S11/02	5,5	4	H = mt	24	22	21	19	17	15	12	9	6
S11/03	7,5	5,5		37	35	33	29	26	22	17	13	9
S11/04	10	7,5		49	46	42	37	33	30	25	19	12
S11/06	12,5	9,2		62	58	54	48	43	37	29	23	15
S11/07	15	11		72	68	64	56	51	44	37	29	19
S11/09	20	15		111	104	96	86	76	66	55	43	29
S11/11	25	18,5		120	111	103	93	83	73	61	48	32
S11/14	30	22		149	137	125	112	100	88	73	57	39
S11/19	40	30		223	214	191	172	151	132	110	84	56
S11/23	50	37		274	255	235	218	197	174	138	102	71



TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
S11/02	5,5	4	54	61	115		12,6	32,6
S11/03	7,5	5,5	60	70	130		13,3	37,8
S11/04	10	7,5	66	80	146		14	43
S11/06	12,5	9,2	78	60	138		16,5	61,5
S11/07	15	11	84	70	154		17,2	65,2
S11/09	20	15	96	76	172		18,8	72,8
S11/11	25	18,5	108	83	191		20,2	85,2
S11/14	30	22	126,5	89	215,5		22,6	92,6
S11/19	40	30	155,5	103	258,5		27,2	117,2
S11/23	50	37	185,5	117	302,5		30,8	131,8

SERIES VS

6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



Fully stainless steel 6" submersible multistage pumps at NEMA standards, suitable for pumping of clean water in 6" wells, water plants and systems for residential and industrial use, pressurizing systems and irrigation plants.

Pumps have to be coupled with 4" or 6" submersible motors at NEMA standards, lubricated either with non-toxic oil, either with water. Oil lubricated motors are preferable in places where the electric current isn't firm.

The electric pumps have never to operate without water. Quality protections (control boards and water levels) are highly suggested.

LIMITS OF USE:

Max Temperature of liquid: from -5°C to 60°C

Max quantity of sand in the water: 100 gr/m3.

CONSTRUCTION MATERIALS:

All pump's components are made in Aisi 304 stainless steel (and on request Aisi 316L stainless steel).

Mix-flow models longer than 3 mt are equipped with tungsten-carbide (widia) upper journal sleeve and with an intermediate tungsten-carbide (widia) journal sleeve plus special intermediate split cone nuts.

Maximum diameter of the pump = 147 mm

ACCESSORIES:

- 4" and 6" submersible electric motors at NEMA standards:

Asynchronous, 2 poles, non toxic oil or water lubricated motors, rewindable or not rewindable, insulation class F, grade of protection IP58. Pumps till 10 Hp may be coupled with 4" subm. motors (special motor brackets available).

Standard voltages: DOL = 400V and SD = 400/690V – 50 Hz..

Rated powers from 4 to 45 Kw. Supplied with standard cable.

- Control boxes

- H07RN-F rubber electric cable

SERIES VS

6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL

TYPE	POWER		Q = debit													
			Q = m3/h	0	6	8	10	12	15	18	21	24	27	32	36	40
	HP	KW	Q = lt/min	0	100	133	166	200	250	300	350	400	450	533	600	666
VS 14/06	5,5	4	H=mt	67	61	58	55	50	38	22						
VS 14/09	7,5	5,5		101	91	87	82	75	56	33						
VS 14/12	7,5	5,5		135	122	116	109	100	75	45						
VS 14/15	10	7,5		168	152	145	136	124	94	56						
VS 14/18	12,5	9,3		202	183	174	164	149	113	67						
VS 14/23	15	11		258	233	223	209	191	144	85						
VS 14/26	15	11		292	264	252	236	216	163	97						
VS 14/29	20	15		325	294	281	264	240	181	108						
VS 14/35	20	15		392	355	339	318	290	219	130						
VS 14/39	25	18,5		437	395	378	354	323	244	145						
VS 14/43	25	18,5		482	436	417	391	356	269	160						
VS 14/46	30	22		516	466	446	418	381	286	171						
VS 14/50	30	22		561	507	484	454	414	313	189						
VS 14/53	40	30		594	537	513	482	439	331	197						
VS 14/59	40	30		662	598	571	536	489	369	219						
VS 19/06	5,5	4		70		66	64	62	58	52	43	33	21			
VS 19/08	7,5	5,5		93		89	85	83	77	69	58	44	27			
VS 19/11	10	7,5		128		122	117	114	106	95	79	60	38			
VS 19/14	12,5	9,3		263		155	149	145	134	120	101	77	48			
VS 19/16	15	11		187		177	171	165	154	137	115	88	55			
VS 19/18	15	11		210		199	192	186	173	155	130	99	62			
VS 19/20	20	15		233		221	213	207	192	172	144	110	68			
VS 19/23	20	15		268		254	245	238	221	198	166	126	79			
VS 19/26	25	18,5		303		288	277	269	250	224	187	143	89			
VS 19/29	25	18,5		338		321	309	300	278	249	209	159	99			
VS 19/32	30	22		373		354	341	331	307	275	230	176	109			
VS 19/35	30	22		408		387	373	362	336	301	252	192	120			
VS 19/40	40	30		467		443	427	413	384	344	288	220	137			
VS 19/45	40	30		525		498	480	465	432	387	324	247	154			
VS 19/50	50	37		583		553	533	517	480	430	360	274	171			
VS 19/57	50	37		665		631	608	589	547	490	410	313	195			
VS 25/03	5,5	4		36					33	32	31	29	25	21	17	12
VS 25/05	7,5	5,5		61					55	54	51	48	43	35	29	20
VS 25/07	10	7,5		85					77	75	72	67	60	49	40	28
VS 25/09	15	11		109					99	96	92	86	78	63	51	36
VS 25/12	20	15		145					131	128	123	114	105	84	68	48
VS 25/15	20	15		182					164	160	154	143	129	105	86	60
VS 25/17	25	18,5		206					186	182	174	162	147	119	97	68
VS 25/19	25	18,5		230					208	204	195	181	165	133	108	76
VS 25/21	30	22		254					230	225	215	200	182	147	120	84
VS 25/23	30	22		278					252	246	236	219	198	161	131	92
VS 25/25	40	30		303					274	269	256	238	220	175	143	100
VS 25/28	40	30		339					306	300	287	266	248	196	160	112
VS 25/31	40	30		375					339	330	318	295	268	217	177	124
VS 25/33	50	37		399					361	355	338	314	289	231	188	132
VS 25/37	50	37		448					405	395	379	352	320	259	211	148
VS 25/40	60	45		484					438	428	410	381	348	280	228	160
VS 25/45	60	45		545					492	480	461	428	388	315	257	180

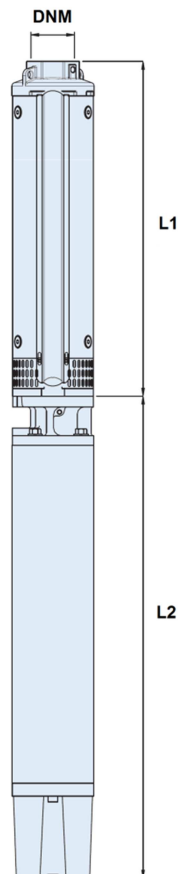
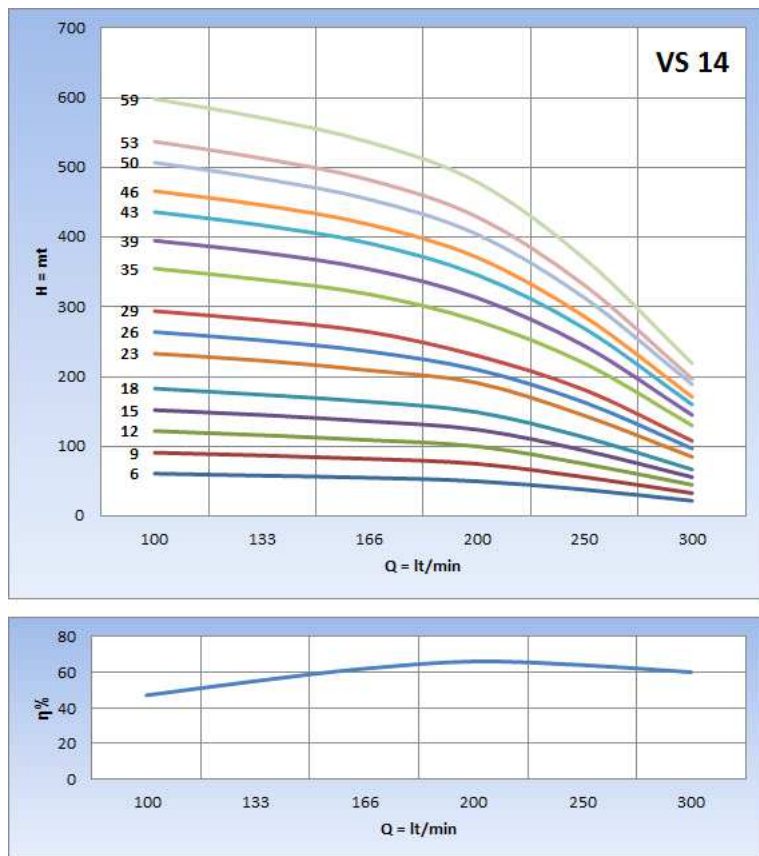
SERIES VS

6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL

TYPE	POWER		Q = debit													
			Q = m3/h	0	25	30	35	40	45	50	55	60	65	70	75	80
	HP	KW	Q = lt/min	0	416	500	583	666	750	833	916	1000	1083	1166	1250	1333
VS 46/03	5,5	4	H = m	39	34	31	29	27	25	23	20	17				
VS 46/04	7,5	5,5		53	45	42	38	36	33	30	27	22				
VS 46/05	10	7,5		66	57	53	48	45	42	38	34	28				
VS 46/07	12,5	9,3		93	80	75	69	64	58	53	48	41				
VS 46/08	15	11		106	92	85	79	72	66	60	54	46				
VS 46/10	20	15		134	116	108	100	92	83	76	69	59				
VS 46/13	25	18,5		174	151	140	130	119	108	99	89	76				
VS 46/16	30	22		213	185	172	159	146	132	121	109	93				
VS 46/19	40	30		257	223	208	193	177	161	147	133	114				
VS 46/22	40	30		294	255	237	220	202	183	167	151	129				
VS 46/25	50	37		335	290	270	250	230	208	191	172	148				
VS 46/27	50	37		360	311	289	268	246	222	204	184	157				
VS 46/29	60	45		390	339	315	292	268	243	223	201	173				
VS 46/32	60	45		428	370	344	319	293	265	243	219	187				
VS 65/02	5	3,7		27			21	19	18	17	16	15	14	13	11	8
VS 65/03	7,5	5,5		40			32	29	26	25	24	23	21	19	16	13
VS 65/04	10	7,5		54			43	38	35	33	32	30	28	25	21	17
VS 65/05	12,5	9,3		68			54	49	44	42	40	38	36	32	28	22
VS 65/06	15	11		81			64	58	53	50	48	45	42	38	32	26
VS 65/08	20	15		108			86	79	74	70	66	63	59	52	44	37
VS 65/10	25	18,5		135			108	99	92	87	83	79	73	65	56	49
VS 65/12	30	22		161			129	119	110	104	99	94	88	77	66	55
VS 65/14	40	30		190			153	141	131	124	118	112	105	93	80	68
VS 65/17	40	30		229			183	168	156	148	141	134	124	110	94	79
VS 65/19	50	37		256			205	189	175	166	158	150	140	124	106	98
VS 65/21	50	37		281			225	207	192	182	173	164	152	134	115	96
VS 65/23	60	45		311			249	229	213	202	191	182	170	150	129	108
VS 65/25	60	45		336			268	247	229	217	206	196	182	161	138	115

SERIES VS

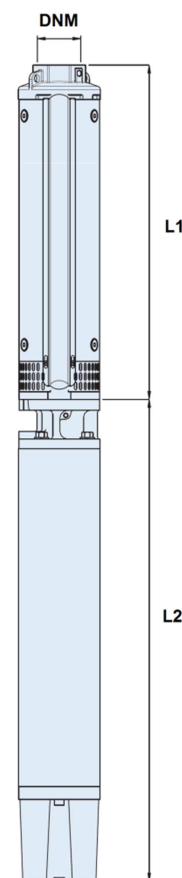
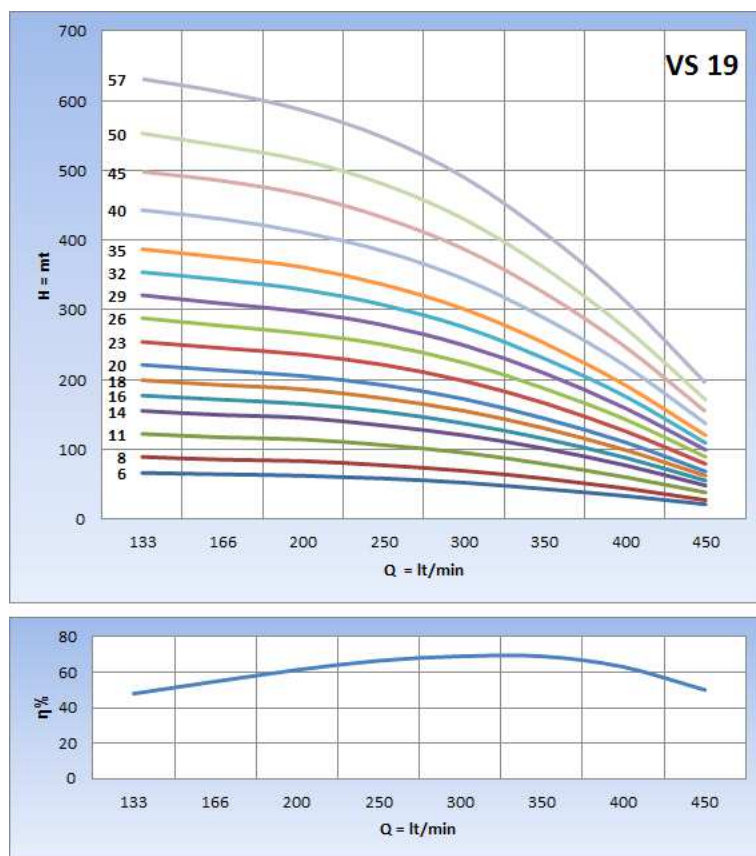
6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
VS 14/06	5,5	4	45	61	106	2,5"	12,5	32,5
VS 14/09	7,5	5,5	54	70	124		14,5	39
VS 14/12	7,5	5,5	63	70	133		17	41,5
VS 14/15	10	7,5	72	80	152		19	48
VS 14/18	12,5	9,3	80	60	140		21,5	66,5
VS 14/23	15	11	95	70	165		25	73
VS 14/26	15	11	104	70	174		27	75
VS 14/29	20	15	113	76	189		30,5	84,5
VS 14/35	20	15	131	76	207		34	88
VS 14/39	25	18,5	143	83	226		37,5	102,5
VS 14/43	25	18,5	155	83	238		40	105
VS 14/46	30	22	164	89	253		42	112
VS 14/50	30	22	176	89	265		46	116
VS 14/53	40	30	185	103	288		49	139
VS 14/59	40	30	203	103	306		54	144

SERIES VS

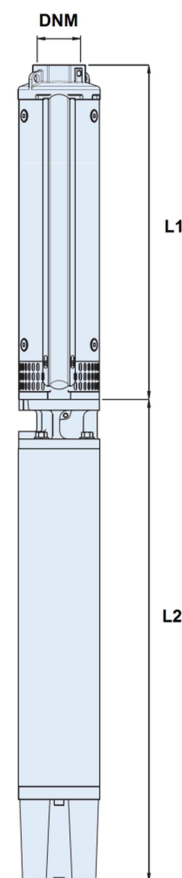
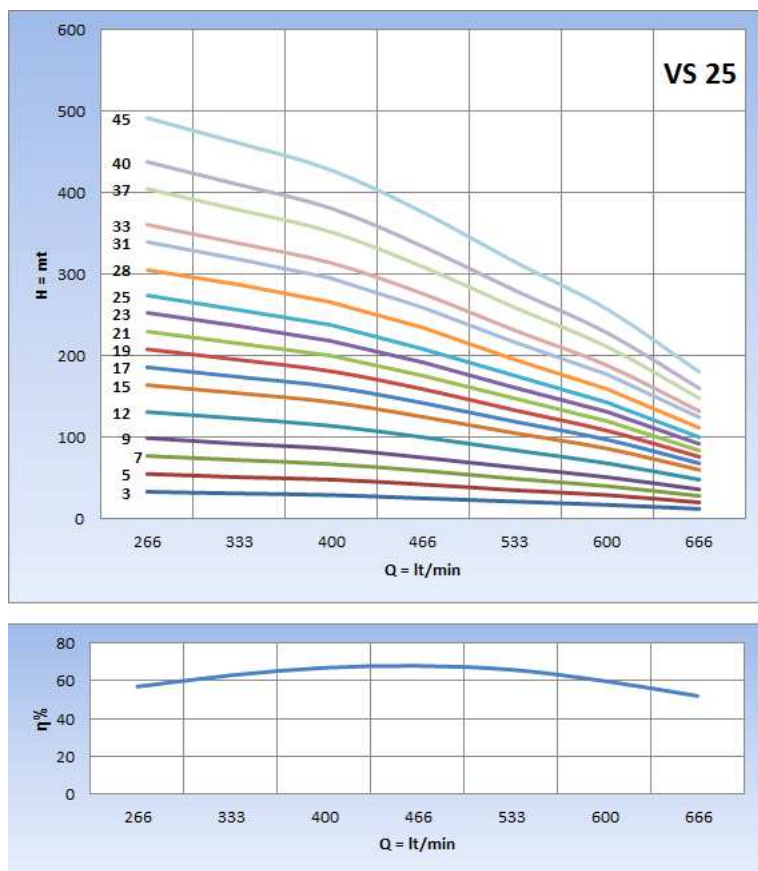
6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
VS 19/06	5,5	4	50	61	111	2,5"	12,5	32,5
VS 19/08	7,5	5,5	57	70	127		14,5	39
VS 19/11	10	7,5	69	80	149		17	46
VS 19/14	12,5	9,3	80	60	140		19,5	64,5
VS 19/16	15	11	87	70	157		21	69
VS 19/18	15	11	95	70	165		22,5	70,5
VS 19/20	20	15	102	76	178		24	78
VS 19/23	20	15	113	76	189		26,5	80,5
VS 19/26	25	18,5	125	83	208		29	94
VS 19/29	25	18,5	136	83	219		31,5	96,5
VS 19/32	30	22	147	89	236		34	104
VS 19/35	30	22	158	89	247		36,5	106,5
VS 19/40	40	30	177	103	280		40,5	130,5
VS 19/45	40	30	196	103	299		46	136
VS 19/50	50	37	215	117	332		51	152
VS 19/57	50	37	241	117	358		58	159

SERIES VS

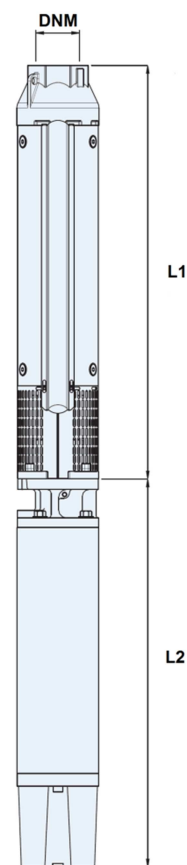
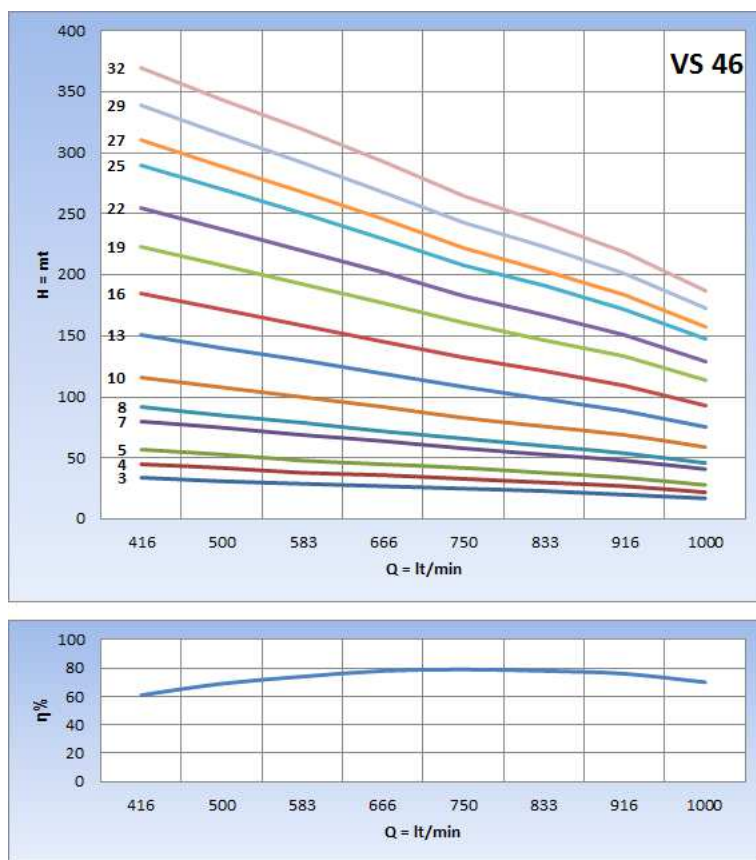
6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



TYPE	POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP. + MOTOR
VS 25/03	5,5	4	48	61	109	2,5"	11,5	31,1
VS 25/05	7,5	5,5	58	70	128		13,5	36,9
VS 25/07	10	7,5	67	80	147		15,5	43,3
VS 25/09	15	11	76	70	146		17,5	65,5
VS 25/12	20	15	90	76	166		21	75
VS 25/15	20	15	104	76	180		23	77
VS 25/17	25	18,5	113	83	196		25	90
VS 25/19	25	18,5	122	83	205		27	92
VS 25/21	30	22	132	89	221		29	99
VS 25/23	30	22	141	89	230		31	101
VS 25/25	40	30	150	103	253		33	123
VS 25/28	40	30	164	103	267		36	126
VS 25/31	40	30	178	103	281		39	129
VS 25/33	50	37	187	117	304		41	142
VS 25/37	50	37	206	117	323		45	146
VS 25/40	60	45	220				48	
VS 25/45	60	45	243				53	

SERIES VS

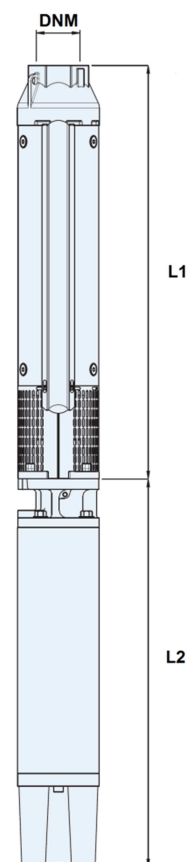
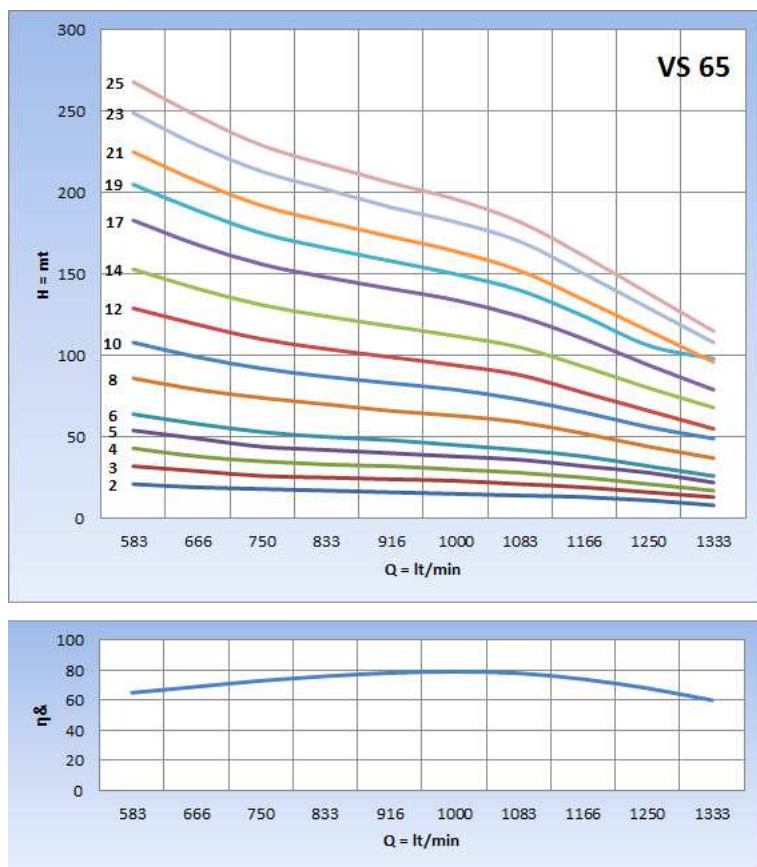
6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



TYPE	POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP. + MOTOR
VS 46/03	5,5	4	71	61	132	3"	16	35,6
VS 46/04	7,5	5,5	82	70	152		19	42,4
VS 46/05	10	7,5	94	80	174		21,5	49,3
VS 46/07	12,5	9,3	116	60	176		26,5	71,5
VS 46/08	15	11	128	70	198		29	77
VS 46/10	20	15	150	76	226		34,5	88,5
VS 46/13	25	18,5	185	83	268		42	107
VS 46/16	30	22	219	89	308		50	120
VS 46/19	40	30	253	103	356		58	148
VS 46/22	40	30	287	103	390		65,5	155,5
VS 46/25	50	37	321	1170	1491		73,5	174,5
VS 46/27	50	37	344	1170	1514		79,5	180,5
VS 46/29	60	45	367				90,5	
VS 46/32	60	45	401				98,5	

SERIES VS

6" SUBMERSIBLE PUMPS FULLY STAINLESS STEEL



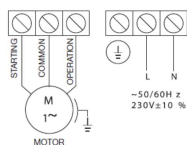
TYPE	MOTOR POWER		L1	L2*	L1 + L2*	DNM	WEIGHT	
	HP	KW					PUMPEND	PUMP + MOTOR*
VS 65/02	5,5	4	59	61	120	3"	13,5	33,5
VS 65/03	7,5	5,5	71	70	141		16	40,5
VS 65/04	10	7,5	82	80	162		19	48
VS 65/05	12,5	9,3	94	60	154		21,5	66,5
VS 65/06	15	11	105	70	175		24	72
VS 65/08	20	15	128	76	204		29,5	83,5
VS 65/10	25	18,5	151	83	234		34,5	99,5
VS 65/12	30	22	173	89	262		39,5	109,5
VS 65/14	40	30	196	103	299		45	135
VS 65/17	40	30	230	103	333		53	143
VS 65/19	50	37	253	117	370		58	159
VS 65/21	50	37	276	117	393		63,5	164,5
VS 65/23	60	45	298				71,5	
VS 65/25	60	45	321				76,5	

SERIES PM10

CONTROL BOX FOR SINGLE PHASE SUBM. PUMPS



CONNECTIONS



Single phase protection for 1 pump with capacitor, thermal protection and illuminated switch.

The thermal protections offered are usually used to solve the problem of single phase submersible pumps which need, in addition to thermal protection, also the specific start capacitor and on/off switch. The line protection (circuit breaker, etc...) is care of the installer.

GENERAL CHARACTERISTICS:

- Power supply 230V ~ 50/60Hz +/- 10%;
- Thermal protection externally resettable;
- Casing made of thermoplastic material;
- Output with cable gland;
- Protection degree IP 55;

OPERATING CONDITIONS:

- Ambient temperature -5 / +40 ° C
- Relative humidity 50% with a maximum temperature of 40 ° C

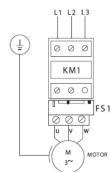
MODEL	CODE	POWER INDICATIVE AT 230V kW	POWER INDICATIVE AT 230V Hp	RUNNING CAPACITOR	THERMAL PROTECTION	WEIGHT KG	DIMENSIONS mm A	DIMENSIONS mm B	DIMENSIONS mm P
PM10/0.37kW-16C-4T-IL- 2	231.81	0.37	0.5	16µF	4A	0.5	210	115	70
PM10/0.37kW-20C-4T-IL- 2	231.82	0.37	0.5	20µF	4A	0.5	210	115	70
PM10/0.55kW-20C-6T-IL- 2	231.83	0.55	0.75	20µF	6A	0.5	210	115	70
PM10/0.55kW-25C-6T-IL- 2	231.84	0.55	0.75	25µF	6A	0.5	210	115	70
PM10/0.75kW-25C-7T-IL- 2	231.85	0.75	1	25µF	7A	0.5	210	115	70
PM10/0.75kW-30C-7T-IL- 2	231.86	0.75	1	30µF	7A	0.5	210	115	70
PM10/0.75kW-35C-7T-IL- 2	231.87	0.75	1	35µF	7A	0.5	210	115	70
PM10/1.1kW-35C-10T-IL- 2	231.88	1.1	1.5	35µF	10A	0.5	210	115	70
PM10/1.1kW-40C-10T-IL- 2	231.89	1.1	1.5	40µF	10A	0.5	210	115	70
PM10/1.1kW-40C-12T-IL- 2	231.90	1.1	1.5	40µF	12A	0.5	210	115	70
PM10/1.5kW-40C-13T-IL- 2	231.91	1.5	2	40µF	13A	0.5	210	115	70
PM10/1.5kW-45C-13T-IL- 2	231.92	1.5	2	45µF	13A	0.7	210	115	70
PM10/1.5kW-50C-13T-IL- 2	231.93	1.5	2	50µF	13A	0.7	210	115	70

SERIES PT10

CONTROL BOX FOR THREE PHASE SUBM. PUMPS



CONNECTIONS



Three phase protection for 1 motor pump with thermal and switch start and stop.

The three-phase protection is proposed for all motor pump and motor needs with start and stop push button and eventually connecting the neutral with the remote control 230V. The line protection (circuit breaker, etc...) is care of the installer.

GENERAL CHARACTERISTICS:

- Power 3 ~ 50/60Hz 400V +/- 10%;
- Contactor;
- Protection degree IP65.
- Start and stop button.
- Thermal relay sensitive to phase absence externally resettable.

OPERATING CONDITIONS:

- Ambient temperature -5 / +40° C
- Relative humidity 50% with temperature maximum 40° C.

MODEL	CODE	CURRENT APPLICATION	RECOMMENDED APPLICATIONS		WEIGHT	SIZE			NOTES
			Submersible pumps	Surface Pumps and general motors		A Height	B Width	P Depth	
		[A]	[kW] at 400V	[kW] at 400V		[mm]	[mm]	[mm]	
PT10/1.5A-T-IMA	518.06	0,9 - 1,4	0.25	0.37	0.8	184	88	140	P
PT10/2A-T-IMA	518.08	1,3 - 2,1	0.55	0,75	0.8	184	88	140	P
PT10/3A-T-IMA	518.09	1,9 - 3	0.75	1.1	0.8	184	88	140	P
PT10/4.5A-T-IMA	518.10	2,9 - 4.5	1.1	1,5	0.8	184	88	140	P
PT10/7A-T-IMA	518.12	4,3 - 6,8	1,5	3	0.8	184	88	140	P
PT10/9A-T-IMA	518.13	5,7 - 9,1	3	4	0.8	184	88	140	P
PT10/14A-T-IMA	518.14	8,6 - 13,5	4	5,5	1	202	88	155	P
PT10/17A-T-IMA	518.15	12,5 - 16,5	5,5	7,5	1	202	88	155	P
PT10/21A-T-IMA	518.16	16 - 21	7,5	9	1.2	234	110	169	P
PT10/23A-T-IMA	518.17	19 - 23	9	11	1.2	234	110	169	P
PT10/29A-T-IMA	518.18	22 - 29	11	15	1.2	234	110	169	P

SERIES QA

CONTROL BOX FOR SINGLE / THREE PHASE SUBM. PUMPS

Electronic single phase (QA/50B) or three phase (QA/60C) control panel for 1 motor pump with ammeric protection.

GENERAL CHARACTERISTICS:

- Power supply:
QA/50B = 230V ~ 50/60Hz +/- 10%;
QA/60C = 3 ~ 50/60Hz 400V +/- 10%;
- Extra low voltage input for external command from pressure switch or float switch;
- Extra low voltage inputs for probes, pressure switch or minimum float switch against dry running or too full;
- Selector for level probes (contacts NC for EMPTYING or NO for FILLING);
- Selectors to full scale adjustment trimmer for regulation of probe tripping threshold (2-20K,10-100K);
- Trimmer for adjustment of the tripping threshold of the probes;
- Trimmer for the adjustment ammetric protection (overload) activation: the time of delay is approx. 3 sec;
- Selector switch for OFF-AUTOMATIC-MANUAL operation (this command has an automatic return);
- LED light motor running (on) or motor protection (flashing);
- Motor protection fuses;
- Auxiliary circuits protection fuses;
- Main disconnecting switch with door lock;
- Casing made of thermoplastic material;
- Protection degree IP 50 (IP55 aviable on request).



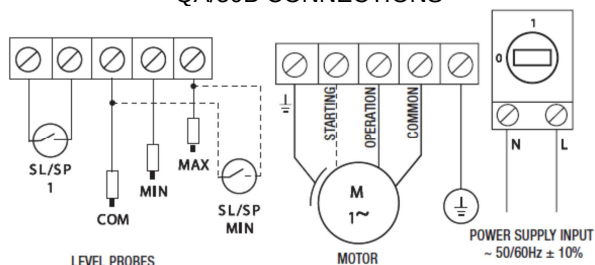
READY FOR THE APPLICATION OF:

- Kit capacitor wired (optional, depending on motor used);
- Interface module for control from an external device with power supply with 12, 24 or 230 V clean output contacts (instead of the probes there is possibility to use 02 float switches, starting and stopping one).

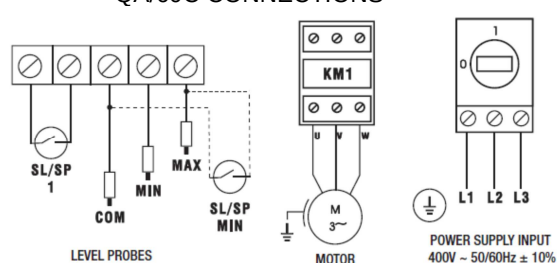
OPERATING CONDITIONS:

- Ambient temperature -5 / +40° C;
- Relative humidity 50% with a maximum temperature of 40° C.

QA/50B CONNECTIONS



QA/60C CONNECTIONS



MODEL	CODE	POWER INDICATIVE AT 230V kW	POWER INDICATIVE AT 230V Hp	OPERATING CURRENT [A] MIN	OPERATING CURRENT [A] MAX	WEIGHT KG	DIMENSIONS mm A	DIMENSIONS mm B	DIMENSIONS mm P
QA/50B	233.13	0,37 - 2,2	0,5 - 3	2	18	1.5	220	255	130

MODEL	CODE	POWER INDICATIVE AT 400V kW	POWER INDICATIVE AT 400V Hp	OPERATING CURRENT [A] MIN	OPERATING CURRENT [A] MAX	WEIGHT KG	DIMENSIONS mm A	DIMENSIONS mm B	DIMENSIONS mm P
QA/60C	235.75	0,55 - 3,7	0,75 - 5	2	8	1.8	200	255	130
QA/61C	235.76	0,55 - 5	0,75 - 7	2	11	1.9	200	255	130
QA/62C	235.77	0,55 - 7	0,75 - 9,5	2	16	2.7	240	315	160
QA/63C	235.78	7,5 - 10	10 - 14	16	22	2.8	240	315	160
QA/64C	235.79	7,5 - 13,5	10 - 18	16	29	2.8	240	315	160
QA/65C	235.80	7,5 - 16	10 - 22	16	34	4	400	315	165

SERIES QMDE/QTDE 10/...A-T-AR

CONTROL BOX FOR WASTE WATER APPLICATIONS



Direct single phase (QMDE) or three phase (QTDE) electromechanical control panel for 1 motor pump with thermal protection for specific use in waste water discharge, as they may run either with bulb-type or normal floats.

GENERAL CHARACTERISTICS

- Power supply:
QMDE10/...A-T-AR = 50/60Hz 230V +/- 10%;
QTDE10/...A-T-AR = 3 ~ 50/60Hz 400V +/- 10%;
- Main disconnecting switch with door lock;
- Transformer for power supply of auxiliary circuits;
- Contactor;
- Protection degree IP 55.
- Casing made of thermoplastic material;
- Prearrangement for starting capacitor

INPUTS

- No. 4 low voltage inputs for:
 - Emergency stop SL / SP STOP (e.g., float switches for protection from dry operation), active in both AUTOMATIC and MANUAL modes;
 - functional start and stop SL / SP 1 (e.g., control float switches);
 - maximum level alarm SL / SP MAX;
 - engine block due to temperature sensor tripping.

CONTROLS AND SIGNALS

- Selector for operation AUTOMATIC-OFFMANUAL;
- No. 3 indicator lights for the signaling of:
 - Presence of power supply;
 - Motor pump is running;
 - Protection tripping.

PROTECTION AND ALARMS

- Thermal relay sensitive to the lack of phase internally resettable;

- Motor protection fuses;
- Protection fuses on the auxiliary circuits.
- Alarm output 24Vac active in case of overload protection tripping or maximum level reached.
- Engine block due to temperature sensor tripping.

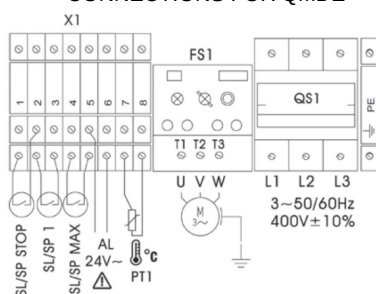
OPERATING CONDITIONS:

- Ambient temperature -5 / +40 ° C;
- Relative humidity 50% with maximum temperature 40°C.

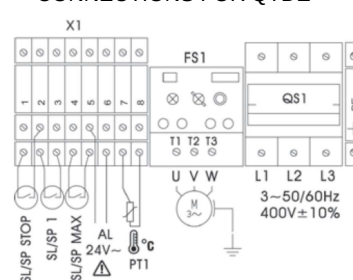
OPTIONAL FEATURES

- Probe device water infiltration, probe device for the control of water infiltration on motor oil chamber complete with indicator light. Sound and light alarms and float switches.
- For versions other than those listed in the catalogue, **including control panels for 2 or more pumps**, please contact us.

CONNECTIONS FOR QMDE



CONNECTIONS FOR QTDE



MODEL	CODE	CURRENT APPLICATION	RECOMMENDED APPLICATIONS		WEIGHT	SIZE			NOTES
			Submersible pumps	Surface Pumps and general motors		A Height	B Width	P Depth	
			[A]	[kW] at 230V		[mm]	[mm]	[mm]	
QMDE10/2A-T-AR	519.08	1,3 - 2,1	0.12	0.18	4	380	300	150	P
QMDE10/3A-T-AR	519.09	1,9 - 3	0.18	0.25	4	380	300	150	P
QMDE10/4,5A-T-AR	519.10	2,9 - 4,5	0.25	0.37	4	380	300	150	P
QMDE10/7A-T-AR	519.12	4,3 - 6,8	0.55	0.75	4	380	300	150	P
QMDE10/9A-T-AR	519.13	5,7 - 9,1	0.75	1.1	4	380	300	150	P
QMDE10/14A-T-AR	519.14	8,6 - 13,5	1.1	1.5	4	380	300	150	P
QMDE10/17A-T-AR	519.15	12,5 - 16,5	1.5	2.2	4	380	300	150	P

MODEL	CODE	CURRENT APPLICATION	RECOMMENDED APPLICATIONS		WEIGHT	SIZE			NOTES
			Submersible pumps	Surface Pumps and general motors		A Height	B Width	P Depth	
		For each motor							
		(A)	(kW) at 400V	(kW) at 400V	(kg)	(mm)	(mm)	(mm)	
QTDE10/1A-T-AR	518.55	0,6 - 0,9	0.18	0.25	6	385	305	150	P
QTDE10/1.5A-T-AR	518.56	0,9 - 1,4	0.25	0.37	6	385	305	150	P
QTDE10/2A-T-AR	518.58	1,3 - 2,1	0.37	0.75	6	385	305	150	P
QTDE10/3A-T-AR	518.59	1,9 - 3	0.75	1.1	6	385	305	150	P
QTDE10/4.5A-T-AR	518.60	2,9 - 4,5	1.1	1.5	6	385	305	150	P
QTDE10/7A-T-AR	518.62	4,3 - 6,8	1.5	3	6	385	305	150	P
QTDE10/9A-T-AR	518.63	5,7 - 9,1	3	4	6	385	305	150	P
QTDE10/14A-T-AR	518.64	8,6 - 13,5	4	5.5	6	385	305	150	P
QTDE10/17A-T-AR	518.65	12,5 - 16,5	5.5	7.5	6	385	305	150	P
QTDE10/21A-T-AR	518.66	16 - 21	7.5	9	6	385	305	150	P
QTDE10/23A-T-AR	518.67	19 - 23	9	11	6	385	305	150	P
QTDE10/29A-T-AR	518.68	22 - 29	11	15	6	385	305	150	P
QTDE10/35A-T-AR	518.69	29 - 35	15	18.5	6	385	305	150	P
QTDE10/44A-T-AR	518.70	33 - 44	18.5	22	20	500	400	230	M
QTDE10/59A-T-AR	518.71	44 - 59	22	30	20	500	400	230	M
QTDE10/75A-T-AR	518.72	57 - 75	30	37	20	500	400	230	M
QTDE10/86A-T-AR	518.73	68 - 86	37	45	28	700	500	300	M
QTDE10/100A-T-AR	518.74	85 - 100	45	55	28	700	500	300	M
QTDF10/135A-T-AR	518.76	85 - 135	55	75	28	700	500	300	M

SERIES QTDE 10/...A-T

CONTROL BOX FOR THREE PHASE WATER PUMPS

Direct Start three phase electromechanical control panel for 1 motor pump with thermal protection.

MAIN CHARACTERISTICS

- Power supply 3 ~ 50/60Hz 400V +/- 10%;
- Main disconnecting switch with door lock;
- Transformer for power supply of auxiliary circuits;
- Contactor;
- Protection degree IP55
- Casing made of thermoplastic material (P) up to 35A, metal (M) for sizes above 46 ÷ 135A.

INPUTS

- No. 2 extra low voltage inputs for:
 - Emergency stop SL / SP STOP (e.g., float switches for protection from dry operation), active in both AUTOMATIC and MANUAL modes;
 - functional start and stop control float switches or pressure switches.

CONTROLS AND SIGNALS

- Selector for operation AUTOMATIC-OFFMANUAL
- Auto retaining; operation in emptying or filling with two floats one

for start and one for stop selectable via special rotary switch;

- No. 3 indicator lights for the signalling of:

- Presence of power supply;
- Motor pump (or motor) is running;
- Protection tripping.

PROTECTION AND ALARMS

- Thermal relay sensitive to the lack of phase internally resettable;
- Motor protection fuses;
- Protection fuses on the auxiliary circuits.

OPERATING CONDITIONS:

- Ambient temperature -5 / +40 °C;
- Relative humidity 50% with maximum temperature 40°C.

OPTIONAL FEATURES

- Level control module, electronic module for level control with 3 probes (probes not included).
- NO Alarm + 24Vac output; the output is activated if the protection against overload is triggered (alarm and output appropriately wired may activate a flashing light or other component with 24Vac / 0.2 A – 5VA power supply).

– Hour meter; displays the hours of motor operation

– Voltmeter + Volt. Switch + Ammeter; voltmeter + voltmeter switch + Ammeter with current transformer (TA) only if necessary.

– Phase control module; stops operation in case of phase loss imbalance of supply voltage.

– Start and stop push button; stop and start controls on the front panel are activated only with the operating selector in the MANUAL position.

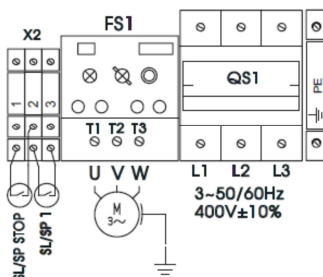
– Multifunction digital instrument; instrument with digital display for visualization and control of voltage, current (display of a single phase with only one TA), power and frequency. It also serves as phase control module.

– Timer; electronic timer multi-function and multi-voltage (set to delay Starting in

– For versions other than those listed in the catalogue, **including control panels for 2 or more pumps**, please contact us.



CONNECTIONS



MODEL	CODE	CURRENT APPLICATION	RECOMMENDED APPLICATIONS		WEIGHT	SIZE			NOTES
			Submersible pumps	Surface Pumps and general motors		A Height	B Width	P Depth	
		[A]	[kW] at 400V	[kW] at 400V	[kg]	[mm]	[mm]	[mm]	
QTDE10/1A-T	512.55	0,6 - 0,9	0.18	0.25	4	305	225	150	P
QTDE10/1.5A-T	512.56	0,9 - 1,4	0.25	0.37	4	305	225	150	P
QTDE10/2A-T	512.58	1,3 - 2,1	0.37	0.75	4	305	225	150	P
QTDE10/3A-T	512.59	1,9 - 3	0.75	1.1	4	305	225	150	P
QTDE10/4.5A-T	512.60	2,9 - 4,5	1.1	1.5	4	305	225	150	P
QTDE10/7A-T	512.62	4,3 - 6,8	1.5	3	4	305	225	150	P
QTDE10/9A-T	512.63	5,7 - 9,1	3	4	4	305	225	150	P
QTDE10/14A-T	512.64	8,6 - 13,5	4	5.5	4	305	225	150	P
QTDE10/17A-T	512.65	12,5 - 16,5	5.5	7.5	4	305	225	150	P
QTDE10/21A-T	512.66	16 - 21	7.5	9	4	305	225	150	P
QTDE10/23A-T	512.67	19 - 23	9	11	4	305	225	150	P
QTDE10/29A-T	512.68	22 - 29	11	15	6	385	305	150	P
QTDE10/35A-T	512.69	29 - 35	15	18.5	6	385	305	150	P
QTDE10/46A-T	512.70	33 - 46	18.5	22	20	500	400	230	M
QTDE10/59A-T	512.71	44 - 59	22	30	20	500	400	230	M
QTDE10/75A-T	512.72	57 - 75	30	37	20	500	400	230	M
QTDE10/86A-T	512.73	68 - 86	37	45	28	700	500	300	M
QTDE10/100A-T	512.74	85 - 100	45	55	28	700	500	300	M
QTDE10/135A-T	512.76	85 - 135	55	75	28	700	500	300	M

SERIES VASCO

FREQUENCY INVERTERS FOR WATER PUMPS

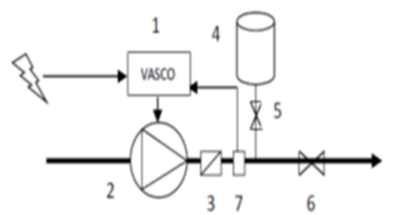


Vasco is a purpose-built family of variable frequency drives, designed to control and protect pumping systems based on changing pump speed. From water supply for domestic, irrigation, commercial and industrial applications, to heating and air conditioning, from filtering to pressure-washing, the VASCO range perfectly fits any new or existing application ensuring:

- energy and cost saving
- simplified installation
- longevity of pumping system
- greater reliability

VASCO units are extremely compact and, connected to any pump on the market, will manage the operation of the pump to maintain a constant desired physical dimension (such as pressure, flow, temperature or other). The pumping system runs only at the speed necessary to meet user's requirements, ensuring energy savings and extending the life of the system.

In a hydraulic system equipped with VASCO, the standard pressure tank is replaced by a smaller tank which functions to maintain the set pressure in the system when the pump is stopped.



VASCO also provides motor protection and monitoring, such as:

- protection against overload and dry running
- integrated soft start and soft stop functions, extending the life of the system and reducing peak absorption
- indication of input current and supply voltage
- recording running hours and logging errors and alarms reported by the system

EXAMPLES OF APPLICATION

Constant pressure

VASCO controls the pump speed to maintain constant pressure at a set point independent of the water demand in the system.

Constant pressure / constant pressure with 2 values

VASCO controls the pump speed to maintain constant pressure at a set point independent of the water demand in the system.

By selecting the constant pressure 2 values control mode, for example in case in irrigation systems, only one pump can serve two zones with different pressure sets. It is possible to switch the two values by acting on a digit input contact.

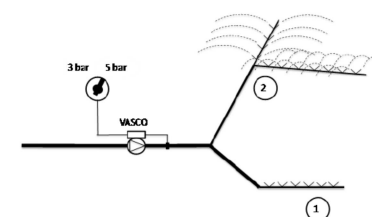
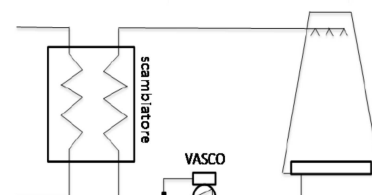
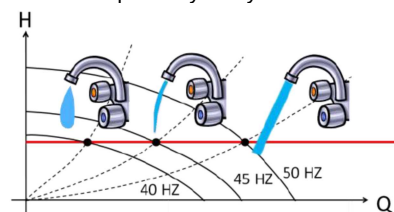
Constant temperature

The control method at constant temperature is used to maintain the temperature of the pumped fluid to vary the thermal load. This control system is used in air conditioning or refrigeration and cooling towers. In this last case, for example, is kept constant the temperature measured.

Constant flow

By selecting the constant flow control mode and using a flow transducer, it is possible to control the flow of the pumped liquid to vary the system condition.

This control mode is used, for example, in a system for filtering the pumped fluid in which the obstruction of the filter would lead to a progressive reduction of the flow rate if it is not compensated by an increasing of the pump speed.



With VASCO inverters it's possible to realise booster sets with one or more pumps (up to 8) to be controlled at constant pressure. For example:

1 VASCO + 1 or 2 DOL pumps

A first way of splitting consists of installing one pump driven by the VASCO and 1 or 2 DOL pumps directly connected to the main power (Direct On Line); VASCO switches on/off the 1 or 2 DOL pumps through contactors and alternates the two DOL pumps to average pump wearing.

From 1 to 8 VASCO in combined connection

A second way of splitting consists of using several pumps in parallel (up to 8) each one driven by a VASCO unit. In this way, efficiency and the reliability of the pump group is maximized. Each VASCO controls and protects its pump and the operation is shared among all the connected pumps to average pump wearing; in case of failure the remaining pumps will maintain the pumping operation.

SERIES VASCO

FREQUENCY INVERTERS FOR WATER PUMPS

General characteristics

- Rated frequency : 50 - 60 Hz (+/- 2%)
- Max. working temperature : 40°C (104 °F)
- Max. altitude at nominal current: 1000 m
- Grade of protection : IP55 (NEMA 4)
- Settable digital outputs : N.O. or N.C.
 - o Motor run signal
 - o Alarm signal
 - o DOL 1 pump signal
 - o DOL 2 pump signal
- Analog inputs, (10 or 15 Vdc):
 - o 4-20 mA
 - o 4-20 mA
 - o 4-20 mA / 0 - 10 Vdc (settable)
 - o 4-20 mA / 0 - 10 Vdc (settable)
- 4 digital inputs, settable as N.O or N.C, for motor run/stop
- RS485 serial communication

model	Vin +/- 15% [V]	max Vout [V]	I out [A]	P2 motor power [kW]
VASCO 209	1 x 230	1 x Vin	9	1,1
		3 x Vin	7	1,5
VASCO 214	1 x 230	1 x Vin	9	1,1
		3 x Vin	11	3
VASCO 406	3 x 380 - 460	3 x Vin	6	2,2
VASCO 409	3 x 380 - 460	3 x Vin	9	4
VASCO 414	3 x 380 - 460	3 x Vin	14	5,5
VASCO 418	3 x 380 - 460	3 x Vin	18	7,5
VASCO 425	3 x 380 - 460	3 x Vin	25	11
VASCO 430	3 x 380 - 460	3 x Vin	30	15

INSTALLATION AND DIMENSIONS

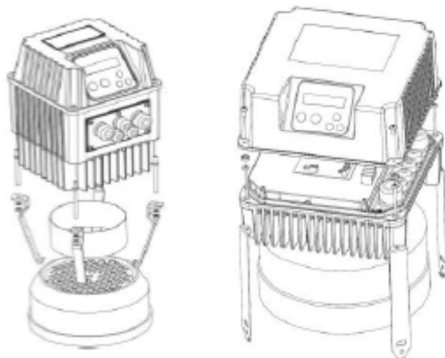
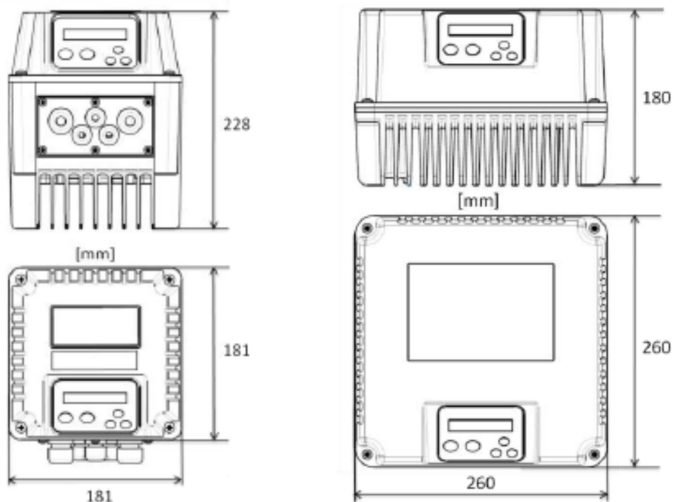
Installing VASCO is simple and intuitive, consisting of a few quick steps:

- Connect VASCO to power supply
- Connect VASCO to pump
- Connect VASCO to the sensor, located wherever in the piping you want to maintain the desired constant physical dimension (pressure, flow, liquid temperature, ...)
- Set VASCO to configure the pump to the system and the desired performance.

When first powering the VASCO, a quick initial configuration is required for complete configuration of the drive. Additional parameters can be configured later by entering three different setting levels:

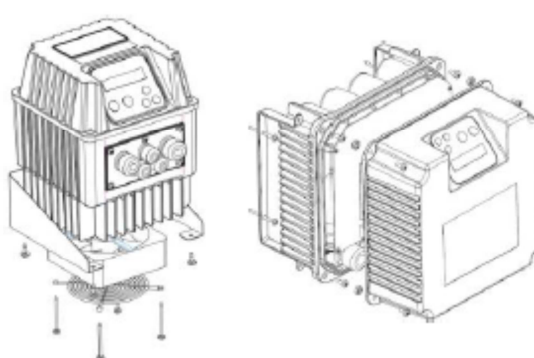
- End user level. The only level which can be accessed without password. It allows the user to monitor electrical and hydraulic parameters and status of the VASCO and pump.
- Installer level. In this level the installer can configure the VASCO-pump system to the characteristics of the hydraulic system. An entry password is required.
- Advanced level. This level allows the electrical configuration of VASCO to the pump. Another entry password is required.

VASCO can be installed directly on the cooling fan cover of the motor or directly to the wall with a supplied installation kit.



Motor kit

VASCO is cooled by the motor cooling fan. Motor kit consists of 4 special clamps to fix the VASCO to the motor fan cover.



Wall kit

VASCO is cooled by an external cooling fan attached to the inverter radiator. A special metal bracket is supplied for VASCO to be mounted on the wall.

All accessories, including pressure sensors, flow sensors, temperature sensors, shielded cables, input EMC/RFI filters and output dv/dt filters to protect motor windings in presence of long cables are also available.

ACCESSORIES

FOR INSTALLATION OF WATER PUMPS

ZINCATED WATER TANKS



CAPACITY	MAX PRESSURE	CONNECTION
24 lt spherical	8 bar	1" G
20 lt horizontal	10 bar	1" G
24 lt vertical	10 bar	1" G
50 lt vertical / horizontal	10 bar	1" G
60 lt vertical / horizontal	10 bar	1" G
80 lt vertical / horizontal	10 bar	1" G
100 lt vertical / horizontal	10 bar	1" G
200 lt vertical / horizontal	10 bar	1" ½ g
300 lt vertical / horizontal	10 bar	1" ½ g
500 lt vertical	10 bar	1" ½ g
750 lt vertical	10 bar	1" ½ g
1000 lt vertical	10 bar	1" ½ g

Operating temperature -10 / +99 °C / available zincated c/flanges / Precharge pressure 2 bar / Red colour
On request: stainless steel flanges / precharge pressure 3,5 bar / blue colour / connection ¾"

STAINLESS STEEL WATER TANKS



CAPACITY	MAX PRESSURE	CONNECTION
24 lt vert/hor	8-10 bar	¾" – 1" G
50 lt vert/hor	8	1" G
60 lt hor	8	1" G
100 lt vert/hor	8	1" G
200 lt vert/hor	8	1" ½
300 lt vert/hor	8	1" ½
500 lt vert	8	1" ½

MEMBRANES FOR WATER TANKS



20 lt
24 lt - 50 lt - 60 lt
80 lt - 100 lt
200 lt - 300 lt
500 lt - 750 lt - 1000 lt

PRESSURE SWITCHES



MODEL	FACTORY SETTING (Bar) *	RATED VOLTAGE	HYDRAULIC CONNECTION
SQARE D FSG 2	1,4 – 2,8	115 – 380 V	¾"
SQUARE D FYG 22	5,4 – 7,0	115 – 380 V	¾"
SQUARE D FYG 32	6,0 – 10,5	115 – 380 V	¾"
IT PM – PT/5 *	1,4 – 2,8	50 V – 500 V	¾"
IT PM – PT/6 *	1,8 – 3,0	50 V – 500 V	¾"
IT PM – PT/12 *	5,0 – 7,0	50 V – 500 V	¾"

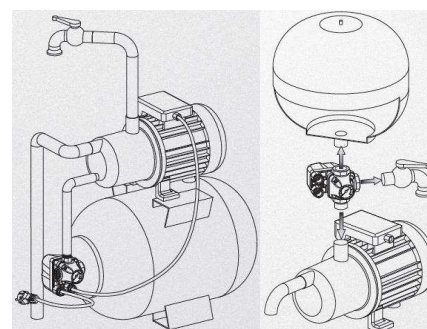
* PM = single phase / PT = Three phase - Pressure range easily adjustable by the user.

PRESSURE SWITCH WITH INTEGRATED PRESSURE GAUGE AND 3 WAY FITTING

Easy and fast connection to the pump and to the pressure tank. Robust plastic fitting replacing common brass fitting.

Load = 250V – 16A
Max pressure = 5 bar
Pressure gauge = D.40 0-6 Bar / 0-86 Psi
Connections:
- PM/5-3W: GAS 1" M x 1" F x 1" F
- PM/5-2W: GAS 1" F x 1" M

Optional (on request):
- cover with on/off button
- reinforced electric contacts till 25A
- Electric cables for line and motor connection



PM/5-3W

PM/5-2W

ACCESSORIES

FOR INSTALLATION OF WATER PUMPS

FLEXIBLE HOSES



HOSE

DN 19 – ¾"
DN 25 – 1"
DN 25 – 1"
DN 32 – 1 1/4"
DN 40 – 1 1/2"

FITTINGS

1" M x ¾" F WITH ELBOW
1" M/F STRAIGHT
1" M/F WITH ELBOW
1 1/4" M/F STRAIGHT
1 1/2" M/F STRAIGHT

LENGTH (CM)

50 – 80 – 100 – 120 – 150
50 – 80 – 100 – 120 – 150
50 – 80 – 100 – 120 – 150
50 – 80 – 100 – 120 – 150

Max pressure 20 bar – Max. Temperature 90°C

On request: Aisi 304 hoses / fittings, different sizes, fittings and lengths

PRESSURE GAUGES



TYPE

RADIAL
RADIAL
RADIAL
RADIAL
BACK
BACK
BACK
BACK

DIAMETER

50
50
63
63
50
50
63
63

SCALE

0 – 6
0 – 12
0 – 6
0 – 12
0 – 6
0 – 12
0 – 6
0 – 12

Plastic or metallic casing. Other types available on request.

3 – 5 WAY BRASS FITTINGS



3 WAY: 1" x 1" x 1"
H = 71

5 WAY 1" x 1" x 1" x 1/4" x 1/4"
H = 83 or 92

CHECK VALVES - FOOT VALVES – STAINLESS STEEL FILTERS



3/8" – 1/2" – 3/4" 1"
1 1/4" – 1 1/2" – 2"
2 1/2" – 3" – 4"

FLOAT SWITCHES FOR CLEAN WATER



PLASTIC CASING

- PVC H05 CABLE LENGTH 2 – 5 – 10 MT
- RUBBER H07RN-F CABLE LENGTH 2 – 5 – 10 MT

FLOAT SWITCHES FOR SEWAGES



PLASTIC CASING

- PVC H05 CABLE LENGTH 5 OR 10 MT
- RUBBER H07RN-F CABLE LENGTH 5 OR 10 MT

RUBBER TAPE



10 x 25 MM

ACCESSORIES

FOR INSTALLATION OF WATER PUMPS

CAPACITORS



DUBLE FASTON / 450V



6,3 MF
16 MF
35 MF
70 MF

8 MF
20 MF
40 MF
80 MF

10 MF
25 MF
45 MF
90 MF

TWIN CORE CABLE



12,5
30 MF
50 MF
100 MF

15 MF
31,5 MF
60 MF

THERMIC CABLE JOINTING KIT



SUITABLE FOR CABLE DIAMETER 1,5 – 6 MM

CHEMICAL JOINTING KIT



CM 0 = CABLE DIAMETER 1,5 – 6 MM
CM 1 = CABLE DIAMETER 10/16 MM
CM 2 = CABLE DIAMETER 25/35 MM

STAINLESS STEEL AISI 316 CABLE



500 MT ROLL

3x3 MM 4x4 MM
5x5 MM 6x6 MM
8x8 MM

H07RN-F ELECTRIC CABLE



4 x 1 mm²
4 x 4 mm²
4 x 16 mm²

4 x 1,5 mm²
4 x 6 mm²

4 x 2,5 mm²
4 x 10 mm²

PRESS CONTROL



FOR PUMPS TILL 2 HP – SINGLE-PHASE

ACCESSORIES

FOR INSTALLATION OF WATER PUMPS

FILTERS AND FILTER CARTRIDGES



PLASTIC HOUSINGS
SINGLE, DUPLEX, TRIPLEX VERSION
SIZES: 5" – 7" – 10" – 20"
FITTINGS 0.5", 0.75", 1", 1.25", 1.5", 2" REINFORCED WITH BRASS INSERTS
BOWL: TRANSPARENT (FOR INSIDE APPLICATIONS) OR BLUE ONE (FOR EXTERNAL APPLICATIONS)



FILTER CARTRIDGES



- POLYPROPYLENE WOUND THREAD (SEDIMENT FILTRATION TILL 1 MCR)
- POLYESTER / STAINLESS STEEL WASHABLE NET (SEDIMENT FILTRATION 50 MCR)
- GRANULAR ACTIVATED CARBON CARTRIDGES (ANTI-CHLORE, ODOUR, TASTE WATER TREATMENT)
- MIXED BED STRONG CATIONIC AND ANIONIC RESIN (WATER DEMINERALIZATION)
- POLYPHOSPHATE CARTRIDGES WITH ANTIMICROBIAL FLAT SEAL (ANTI-SCALE TREATMENT)

VARIOUS ACCESSORIES FOR FILTERS



* Other filters cartridges and different executions on request

SURFACE ELECTRIC MOTORS



Asynchronous single / three phase electric motors totally enclosed with external fan-cooling. Insulation class F.

Manufactured with the best products present on the Italian market to obtain the best output and lifetime. Mechanical construction and assembling in automatic lines to reduce to the minimum noise and vibrations. Test of the finished product on 100% of the production to eliminate the returns caused by manufacturing defects and have the best reliability.

Shafts are made of carbon steel C45 (on request in stainless steel). The housings, shields and flanges are in die-casted aluminium alloy, fan in thermoplastic material and fan cover in zinc-coated sheet.

Standard single-phase voltage is 230V-50Hz $\pm$ 5%,
Available from Mec 63 to Mec 132 and for powers from 0,18 to 4 Kw.

Standard three-phase motors voltage 230-400/50-60Hz $\pm$ 10%, 400-690/50-60Hz $\pm$ 10% and are realized according to main norms IEC 60034 -IEC 60072 - EN 50347.

Power and frame sizes available:

- 2 poles frame size 56-63-71-80-90-100-112-132-160-180 power from 0,18 Kw to 37 Kw
- 4 poles frame size 56-63-71-80-90-100-112-132-160-180 power from 0,12 Kw to 22 Kw
- 6 poles frame size 63-71-80-90-100-112-132-160-180 power from 0,09 Kw to 18,5 Kw
- 6 poles frame size 71-80-90-100-112-132-160-180 power from 0,12 Kw to 11 Kw

Constructive shapes: IM B3, IM B5, IM B14, IM B34, IM B35

Please contact our staff for further informations.

VARIOUS & SPECIAL EXECUTIONS

LIQUID RING PUMPS FOR TRANSFERS – FOR ALIMENTARY USES



SPECIFICATIONS:

- heigh of priming: 6 mt
- max temp. of liquid: 90°C – max density 1,1 g/cm³ (without solids)
- Particularly suitable for: water, sea water, gasoil, oil, antiscryptogamics, wine etc.
- Voltages: Single-phase: 220-230V, Three-phase: 230-400V, CC: 12-24V
- This pumps are available also with direct current motor 12-24V (possibility to operate with discontinuous presence of the liquid at the suction)
- Series EEM: bronze impeleller and pump body – for domestic applications
- Series ENM – ENT: bornze impeller and pump body – for professional applications
- ALM-ALT: Aisi 316L impeller and pump body
- Series ECC and ALC: 12-24 Volt pumps in bronze / Aisi 316L

TYPE	HP	R.P.M.	HOSES	FITTINGS	PRIMING	CAPACITY (l/min)				
						1m	5 m	10 m	15 m	20 m
EEM 20	0,5	2800	¾"	20 mm	6 m	32	27	21	15	9
EEM 20 L	0,2	1400	¾"	20 mm	6 m	14	4			
EEM 25	0,6	1400	1"	25 mm	6 m	53	38	16		
EEM 30	1	1400	1" ½	30 mm	6 m	89	68	38		
EEM 35	1	1400	1" ½	35 mm	6 m	89	68	38		
EEM 40	1,2	1400	1" ½	40 mm	6 m	149	115	66	7	

TYPE	HP	R.P.M.	HOSES	Ø FITTINGS	PRIMING	CAPACITY (l/min)				
						1m	5 m	10 m	15 m	20 m
ENM-ENT20	0,5	2800	¾"	20 mm	6 m	32	27	21	15	9
ENM-ENT25	0,6	1400	1"	25 mm	6 m	53	38	16		
ENM-ENT25S	2	2800	1"	25 mm	6 m	97	92	85	78	70
ENM-ENT30	1	1400	1" ½	30 mm	6 m	89	71	43	9	
ENM-ENT35	1	1400	1" ½	35 mm	6 m	89	71	43	9	
ENM-ENT40	1,2	1400	1" ½	40 mm	6 m	149	119	78	32	
ENM-ENT50	2	1400	2"	50 mm	6 m	250	215	167	113	53

TYPE	HP	VOLT	R.P.M.	HOSES	Ø FITTINGS	PRIMING	CAPACITY (l/min)		
							1m	5 m	10 m
ECC 20	0,3	12 - 24	2400	¾"	20 mm	6 m	23	16	5
ECC 25	0,6	12 - 24	1500	1"	25 mm	6 m	26	20	9
ECC 40	1	24	1500	1" ½	40 mm	6 m	166	125	70

TYPE	HP	R.P.M.	HOSES	Ø FITTINGS	PRIMING	CAPACITY (l/min)				
						1m	5 m	10 m	15 m	20 m
ALM – ALT 20	0,5	2800	¾"	20 mm	6 m	28	23	17	11	5
ALM – ALT 20 L	0,2	1400	¾"	20 mm	6 m	11	2			
ALM – ALT 25	0,6	1400	1"	25 mm	6 m	43	28	8		
ALM – ALT 30	2	2800	1"	30 mm	6 m	89	80	70	59	48
ALM – ALT 40	1,2	1400	1" ½	40 mm	6 m	137	112	76	24	
ALM – ALT 50	2	1400	2"	50 mm	6 m	205	176	140	104	69

TYPE	HP	VOLT	R.P.M.	HOSES	Ø FITTINGS	PRIMING	CAPACITY (l/min)		
							1m	5 m	10 m
ALC 20	0,3	12 - 24	2400	¾"	20 mm	6 m	23	16	5
ALC 25	0,6	12 - 24	1500	1"	25 mm	6 m	26	20	9
ALC 40	1	24	1500	1" ½	40 mm	6 m	166	125	70

VARIOUS & SPECIAL EXECUTIONS

SWIMMING POOL WATER PUMPS



SPECIFICATIONS:

Self-priming centrifugal pumps suitable to be used with small or mid-large pool's water treatment systems.

MATERIALS:

Pump body: Polypropylene + 30% fiberglass
Filter basket: polypropylene
Shaft: Stainless steel AISI 416
Mechanical seal: Carbon/Resin/ceramic
Impellers and diffusers: Noryl + 30% Fiberglass

ELECTRIC MOTOR

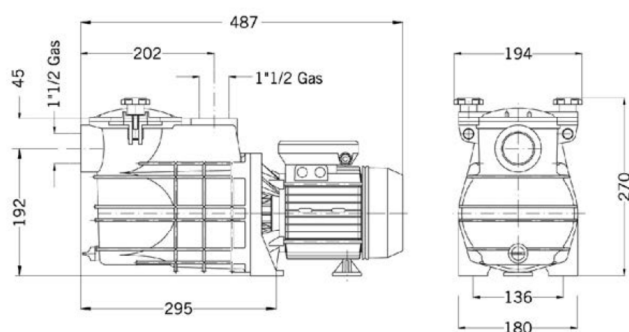
3000 rpm motor, Single phase (230V) or three phase (230/400V), 3000 rpm, Insulation class F, Grade of protection IP55, motor speed 3000 rpm.
Thermal protection included in single-phase motors (for three phase ones, the protection is at user's care)



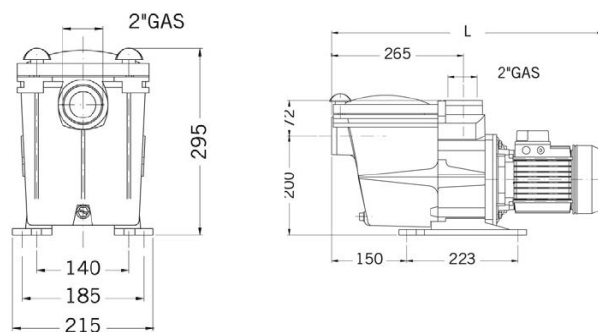
TYPE	HP	KW	ABSORBED AMPERE				TOTAL HEAD (mt)								DNA	DNM	WEIGHT KG
			230V M	230V T	400V T		4	6	8	10	12	14	16	18			
MINI 33	0.33	0.25	3.2			Q = L/T/MIN	12,8	10,6	8	5,2	2,5				1,5"	1,5"	9
MINI 50	0.5	0.37	3.7				14	12,5	10	7,5	4,9	2			1,5"	1,5"	9,5
MINI 80	0.8	0.55	4.8	2.6	1.5		16,5	15	12,8	10,3	7,4	4,1			1,5"	1,5"	10,9
MINI 100	1	0.75	5.3	3.2	1.8		19	18	16,4	13,9	11	7,3	1		1,5"	1,5"	11,5
ND 100	1	0.75	5,4	3,2	1,8		20,5	19,5	18,1	16,1	13,5	10,1	4,2		2"	2"	13,5
ND 150	1.5	1.1	8	5,6	3,2		26,5	25	23,1	21	18,8	15	10		2"	2"	17,15
ND 200	2	1.5	9,8	6,5	3,7		32,5	31,2	29,3	27	24,2	20,8	16	7,5	2"	2"	19

DIMENSIONS:

SERIES MINI



SERIES ND



VARIOUS & SPECIAL EXECUTIONS

PRESSURIZATION GROUPS

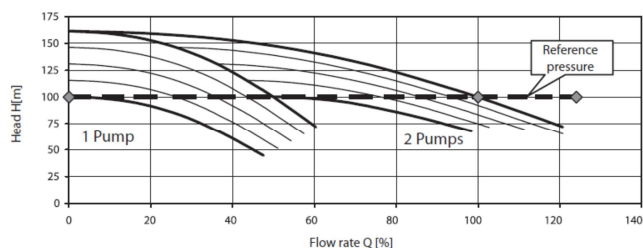
DEFINITION AND USE OF THE PRESSURE BOOSTER UNITS

The pressure boosting unit is applied every time the pressure must be increased or where the mains water must be pressurised. We may realize small and medium automatic pressure boosting units, with 2 or more pumps, studied and realised simply and reliably to be used in water supply of condominiums, hotels, centres, offices, schools, auxiliary services in the industrial and agricultural field and so on. Start-up of the individual pumps is caused by the activation of pressure switches, appropriately calibrated via an electric control panel. In the units controlled with electric control panel with INVERTER, as well as pressure switches, one of the pumps is started via the calibration of a pressure transducer.

BOOSTER SYSTEMS WITH STANDARD CONTROL PANEL

If water is requested (opening of a tap), this is initially withdrawn from the water tank, if the system is provided with. This consumption of water with pumps off determines the lowering of the pressure in the outlet hose and activates the pressure switch and the start of the first electric pump. If the outlet discharge exceeds the flow rate of a pump, the pressure continues to drop until it activates the second pressure switch and the start-up of the second pump. The pumps will stop when the pressure in the hoses will increase (closing of the tap) until the maximum value of the pressure switch regulation.

The inversion of the ignition order of the motors is automatically done by the control panel and reduces the number of starts per hour of each pump. This allows a homogenous use of the pumps and a longer life of them.



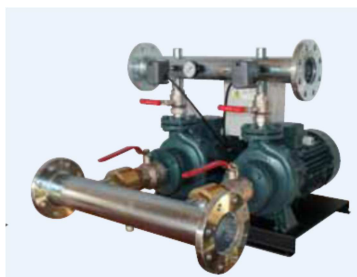
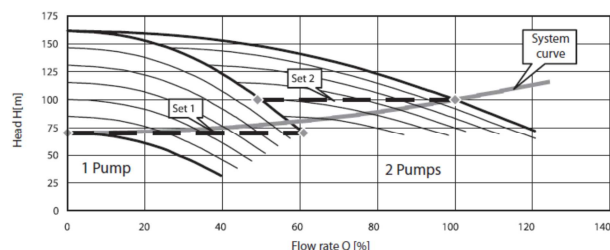
BOOSTER SETS WITH INVERTER

There are two possibilities to make booster sets with pumps governed by inverter: the first is a set that is governed by a single inverter and the second pump starts directly when the pressure required is not satisfied by the first pump alone. The second option is to have each pump governed by its inverter which communicates and regulates the frequency of each pump singularly.

In the first case, the system allows to maintain constant pressure in the water network. On variation of the network pressure, the inverter governed pump varies its own rotation speed, stating the pressure of the set value.

Whenever the water withdrawal should exceed the pump flow rate, the second pump starts directly and, in the meantime, that governed by the inverter goes into regulation mode in order to keep the water pressure at the set value. When the withdrawal has been closed, the pump governed by the inverter reaches the minimum rotation value and, after a few minutes, stops allowing to obtain a large energy saving.

In the second case, each pump works with its motor speed in order to guarantee the maximum energy saving and the maximum life of the pumps.



The realisation of booster sets is realized on request and it can be done with almost all pumps shown in this catalogue. Please contact our staff for further informations!



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

IQNet and its partner
CISQ/IMQ-CSQ
hereby certify that the organization

STAC SRL

VIA FABIO SEVERO 19 - 34133 TRIESTE (TS)

for the following field of activities

Commercialization of electric pumps and relative accessories. Assembling
and sales of electric pumps at customer's requirements

Refer to quality manual for details of applications to ISO 9001:2008 requirements

has implemented and maintains a
Quality Management System

which fulfills the requirements of the following standard

ISO 9001:2008

Issued on: 2013 - 12 - 03

Expiry date: 2016 - 12 - 02

Registration Number: IT - 91760

The status of validity of the certificate can be verified at <http://www.cisq.com> or by e-mail to fedcisa@cisq.com



Michael Drechsel

Michael Drechsel
President of IQNET



Ing. Claudio Provetti

Ing. Claudio Provetti
President of CISQ

IQNet Partners:

AENOR Spain AFNOR Certification France AIB-Vingotte International Belgium ANCE-SIGE Mexico APCER Portugal CCC Cyprus
CISQ Italy CQC China COM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany DS Denmark
FCV Brazil FONDONORMA Venezuela ICONTEC Colombia IMNC Mexico INNORPI Tunisia
Inspecta Certification Finland IRAM Argentina IQA Japan KFO Korea MIRTEC Greece MSZT Hungary Nemko AS Norway
NSAI Ireland PCBC Poland Quality Austria Austria RR Russia SH Israel SIQ Slovenia SIRIM QAS International Malaysia
SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

STAC SRL

IS A COMPANY ISO 9001:2008
CERTIFICATED

SERVING MORE THAN 30 COUNTRIES
IN THE WORLD



SINCE 1974

THANK YOU!



CERTIFICATO N. 9160.STA6
CERTIFICATE N.

SI CERTIFICA CHE IL SISTEMA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

STAC SRL

VIA FABIO SEVERO 19 - 34133 TRIESTE (TS)

UNITÀ OPERATIVE

OPERATIVE UNITS

VIA FABIO SEVERO 19 - 34133 TRIESTE (TS)

E' CONFORME ALLA NORMA

IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2008

PER LE SEGUENTI ATTIVITÀ

FOR THE FOLLOWING ACTIVITIES

Commercializzazione di elettropompe e relativi accessori. Assemblaggio
e vendita di elettropompe secondo specifiche del cliente
Commercialization of electric pumps and relative accessories. Assembling
and sales of electric pumps at customer's requirements

Riferirsi al manuale della qualità per l'applicabilità dei requisiti della norma ISO 9001:2008
Refer to quality manual for details of applications to ISO 9001:2008 requirements

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL
REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE
REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATA:	PRIMA CERTIFICAZIONE FIRST CERTIFICATION	EMISSIONE CORRENTE CURRENT ISSUE	SCADENZA EXPIRY
	2013-12-03	2013-12-03	2016-12-02

Ing. Claudio Provetti

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY

Via F. Severo 19
P.o.box 989
34133 Trieste
Tel: +39 040 361811
+39 040 362763
Fax: +39 040 362763
E-mail: info@stac-ts.com
Web: www.stac-ts.com



EA 29a

La validità del certificato è subordinata a sorveglianza annuale e insieme completa del Sistema di Gestione con periodicità triennale
The validity of the certificate is subjected to annual audit and a reassessment of the entire Management System within three years



IQNet, the association of the world's first
class certification bodies, is the largest
provider of management System
Certification in the world.
IQNet is composed of more than 30
bodies and counts over 150 subsidiaries
all over the globe.

CISQ è la Federazione Italiana di
Organismi di Certificazione dei
sistemi di gestione aziendali.
CISQ is the Italian Federation
of management system
Certification Bodies.



www.cisq.com