



CREATING A BETTER LIFE

THE AGE OF SCIENCE AND TECHNOLOGY





INDUSTRY LEADER

Vision is an art that provides insight into the unknown world of ordinary people

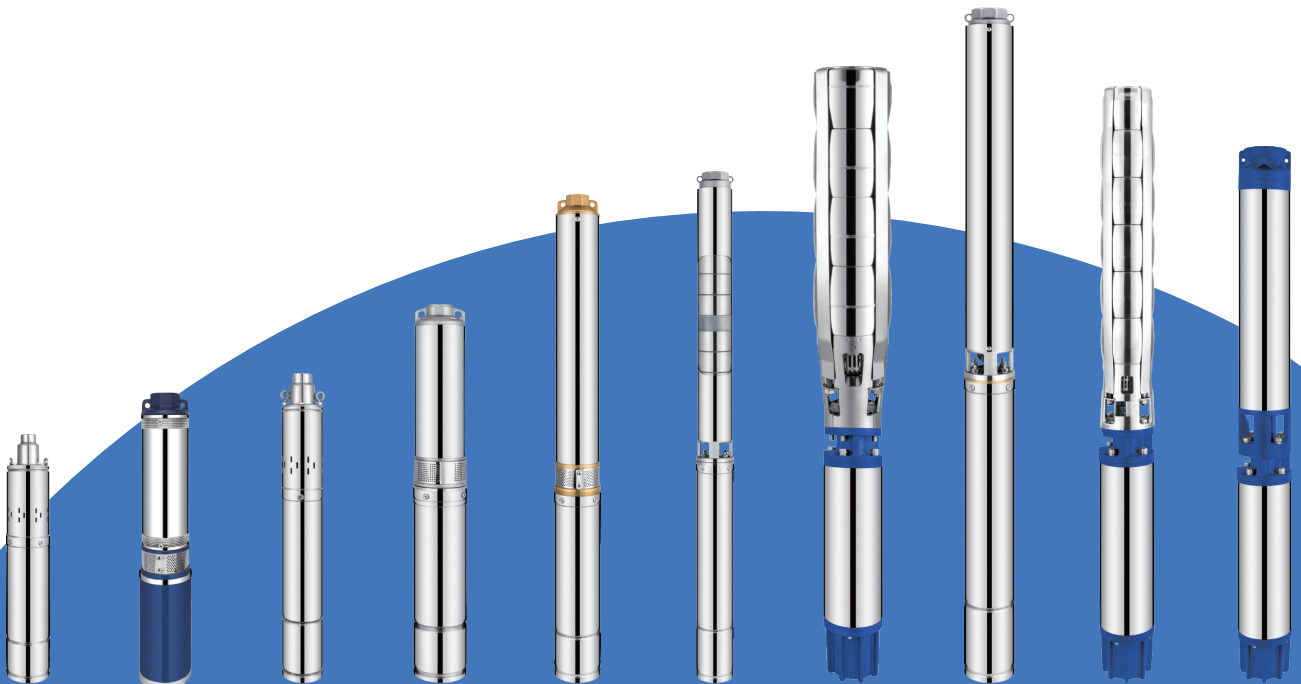
VIALIR is a company that is committed to study, develop, manufacture and install pumping systems. VIALIR has been in the pump industry for 10 years.

With our rich experiences and professional knowledges in pumps, We are more able to offer customers a big and specific range of pumps for a large variety of usages such as domestic applications, industrial fields, groundwater, wastewater and sewage applications, for civil plants, building-service sector, agricultural and irrigation applications, swimming pools and SPA baths.

We operate in an increasing number of countries world-wide through our agents and distributors. In VIALIR, devoting to offer customers greatest value and satisfaction is our target. Our responsibility is to the customers who are using our products and services, in meeting their needs everything we do is in high quality. We carefully choose and test the materials, select those with strong features, devote to perfection of each process, make only high quality products.

Each single product undergoes full production testing, to verify the quality standard of each item. At the same time, we constantly strive to reduce the costs in order to maintain reasonable prices for our customers. In VIALIR, orders from customers are always serviced promptly and accurately, which we can promise in product continuity, service and technical assistance, and fast delivery, and providing any after-sales service with maximum satisfaction for the final users.

Water is the resource of life. With the target of making life better, we can maximumly satisfy the demands of all customers who choose us.



SUMMARY

SUBMERSIBLE PUMP SERIES

4VN	SERIES SUBMERSIBLE PUMP	_____	01
6VSS	SERIES SUBMERSIBLE PUMP	_____	08

Applications

Water supply
Sprinkler irrigation
Pressure boosting
Fire-fighting

Operating conditions

Minimum well diameter: 2.5"/3"/3.5"/4".
Maximum fluid temperature up to +35°C.
Maximum sand content: 0.25%.
Maximum immersion depth: 500m.

Specifications

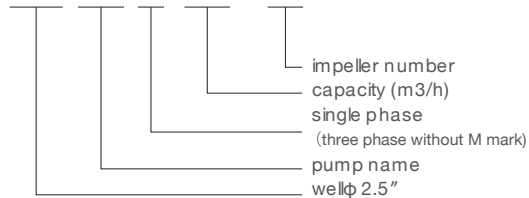
Rewindable motor or fully enclosed shielding motor
Single-phase: 220V-240V/50Hz
Three-phase: 380V-415V/50Hz
Dimension complied with NEMA standard
Curve tolerance accord with ISO9906

Options on request

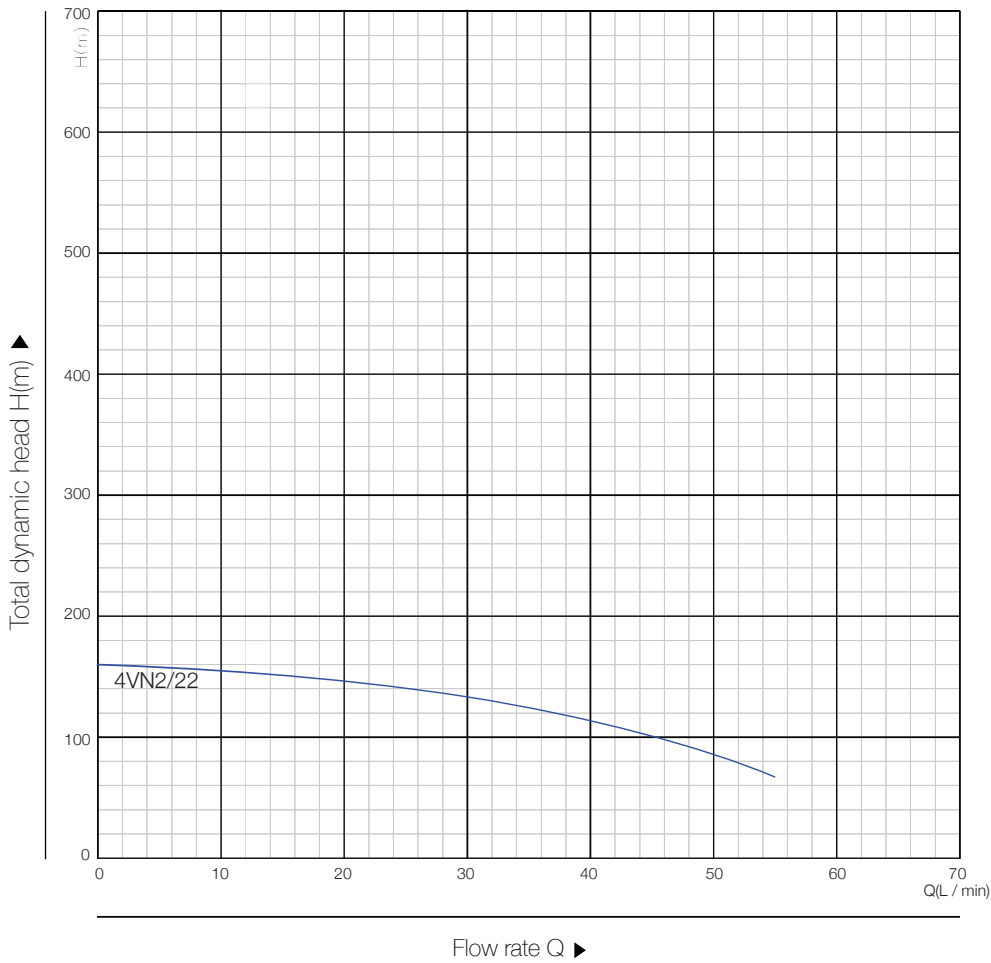
Special material components
Start control box or automatic digital control box
Cable length: 2m
110V/220V/380V For 3 phase available, 60Hz available
Single phase motor with built-in capacitor



2 V N M 0.7 / 2 6

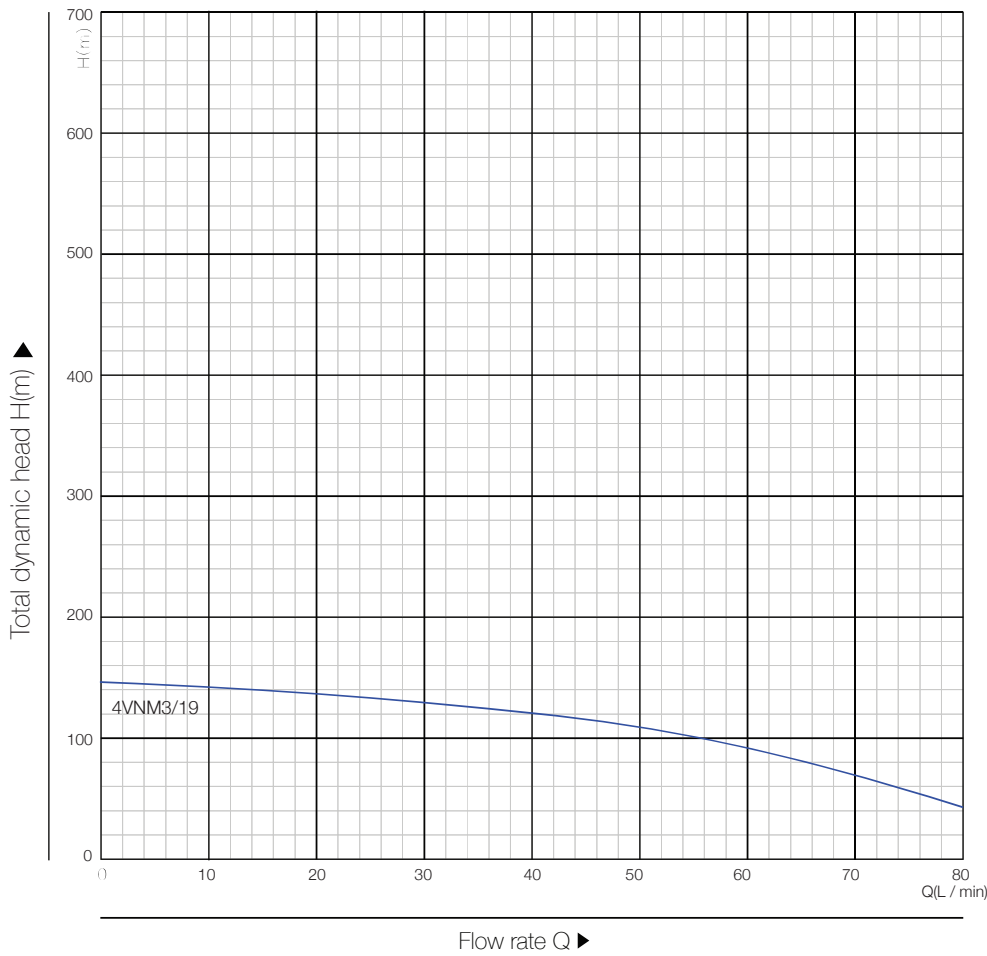


Components	Material
Pump external casing	① AISI 304 SS ② AISI 201 SS
Outlet	① Cast-Cu ASTM C85500 ② AISI 304 SS
Connection	① Cast-Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Pump shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	① AISI 304 SS ② AISI 201 SS
Top chock	① Cast-Cu ASTM C85500 ② Cast-Iron ASTM No.30
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic/TC
Motor shaft	① AISI 303 SS-ASTM 1045 / 5140 ② Silicon-ceramic
Bearing	① C&U ② Others
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



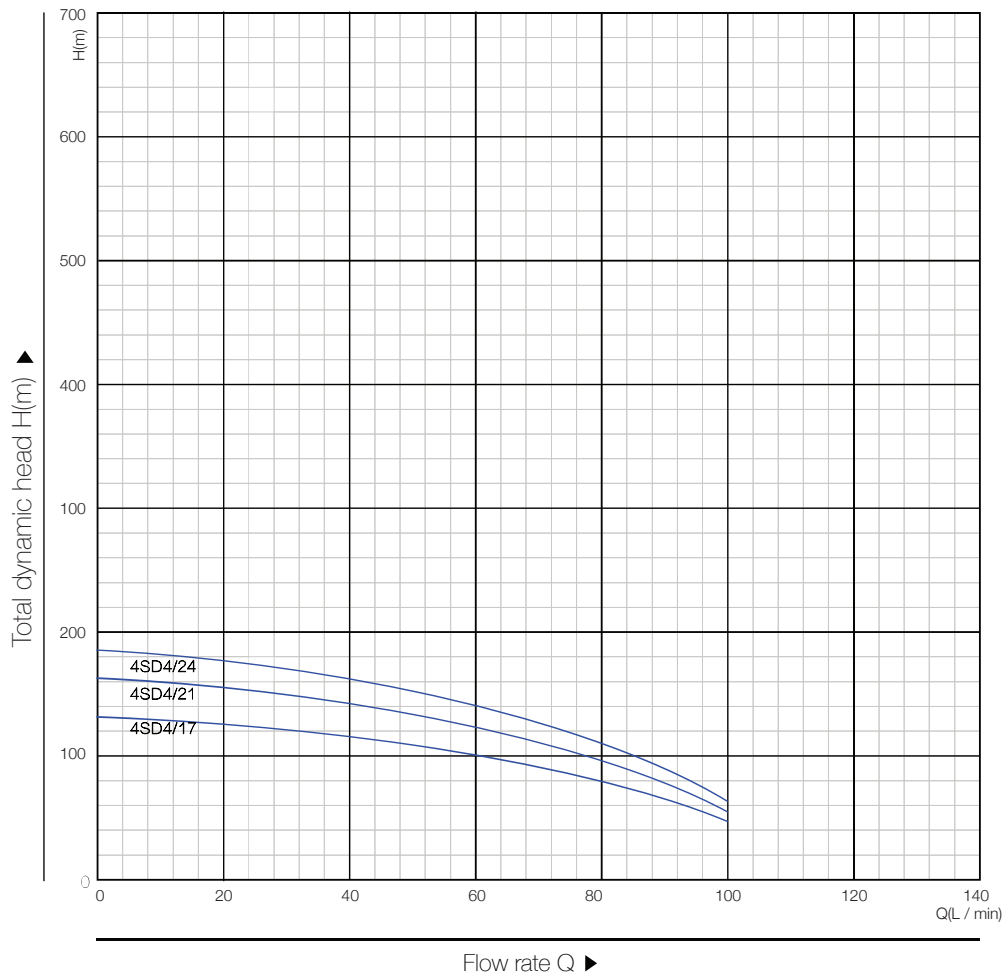
PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY									
						n ≈ 2850 r/min									
1~	3~	KW	HP	Q	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3,0
220V/240V	380V/415V				$\frac{m^3/h}{l/min}$	0	05	10	15	20	25	30	35	40	45
4VNM2/22	4VN2/22	1.1	1.5	H(m)/ outlet (inch) 1,25"/1,5"	160	159	157	154	150	144	136	126	114	100	84



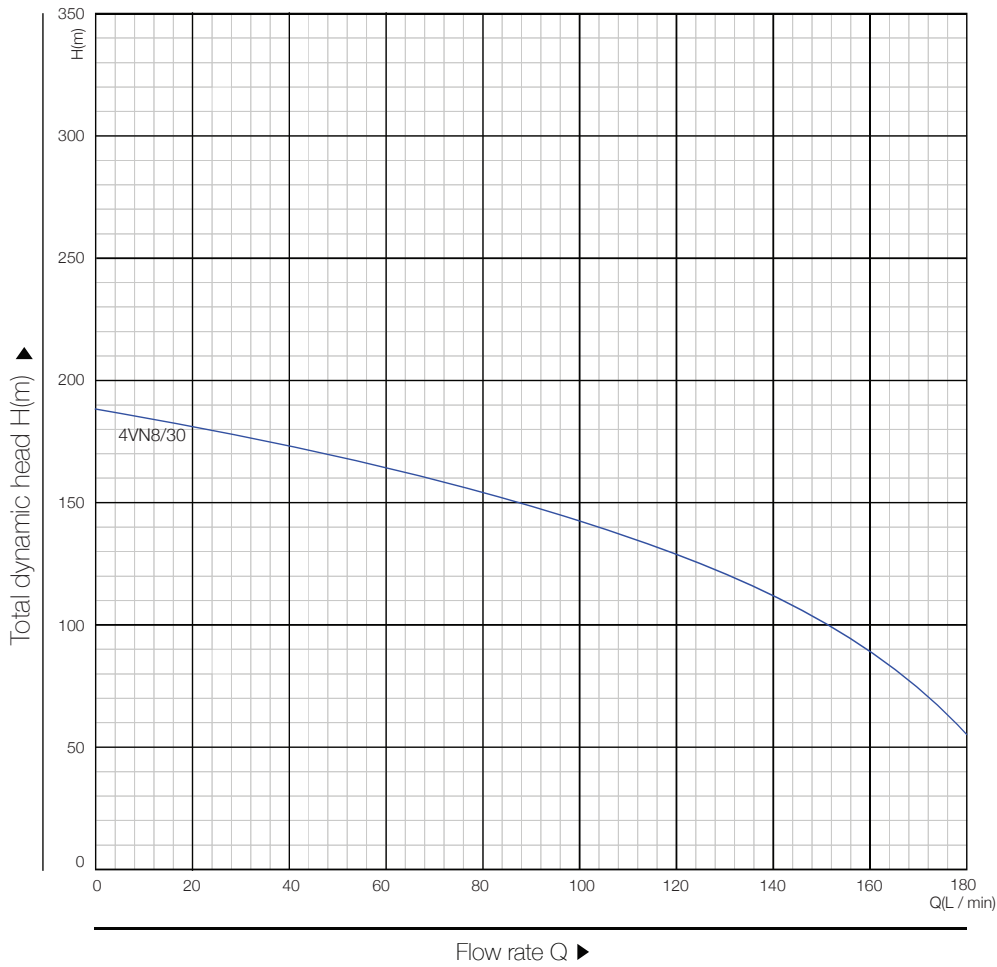
PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY								n ≈ 2850 r/min	
1~	3~	KW	HP	Q	m³/h / l/min								H(m) / outlet (inch)		
220V/240V	380V/415V				0	0,6	1,2	1,8	2,4	3,0	3,6	4,2			4,8
4VNM3/19	4VN3/19	1.3	2	H(m) / outlet (inch) 1,25"/1,5"	145	140	135	129	120	107	89	67	42		



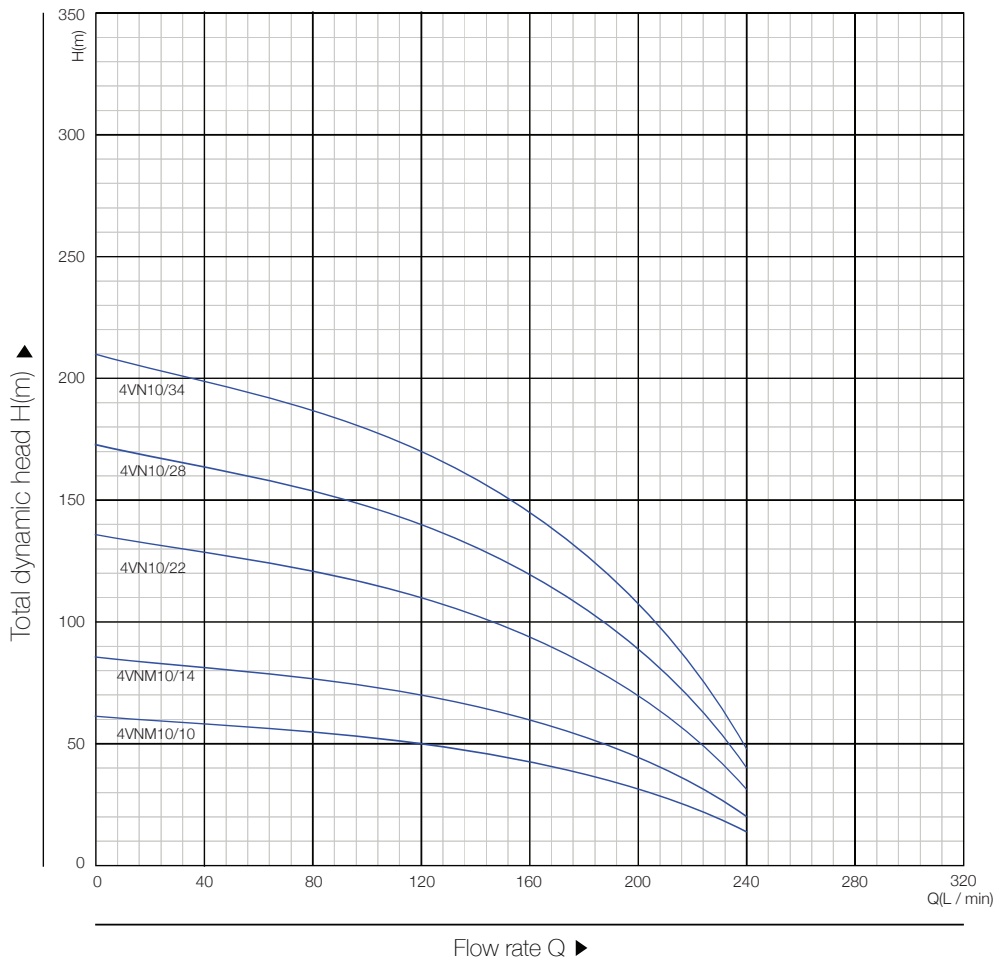
PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY									
						n ≈ 2850 r/min									
1~	3~	KW	HP	Q											
220V/240V	380V/415V				m³/h										
				V/min											
4VNM4/21	4VN4/21	1.8	3	H(m)/ outlet (inch) 1,5"	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6.0
4VNM4/24	4VN4/24	2.2	3		0	10	20	30	40	50	60	70	80	90	100
4VNM4/17	4VN4/17	1.5	3		162	156	152	148	143	134	124	111	95	77	57
				186	178	174	169	163	153	141	127	109	88	66	
				131	126	123	120	116	109	100	90	77	62	46	



PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY									
						n ≈ 2850 r/min									
1~	3~	KW	HP	Q	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
220V/240V	380V/415V				$\frac{m^3/h}{l/min}$	0	20	40	60	80	100	120	140	160	
4VNM4/21	4VN4/21	1.8	3	H(m)/ outlet (inch) 2"	188	183	171	158	150	142	128	110	85	55	



PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY								
						n ≈ 2850 r/min								
1~ 220V/240V	3~ 380V/415V	KW	HP	Q $\frac{m^3/h}{l/min}$	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
					0	30	60	90	120	150	180	210	240	
4VNM10/10	4VN10/10	1.5			H(m)/ outlet (inch) 2"	62	59	56	54	50	44	36	26	14
4VNM10/14	4VN10/14	2.2				86	83	79	75	70	62	51	36	20
/	4VN10/22	4				136	131	124	118	110	97	80	57	32
/	4VN10/28	5.5				173	166	158	150	140	124	101	72	40
/	4VN10/34	7.5		210		202	192	182	170	150	123	88	49	

Applications

For water supply from wells or reservoirs
 For domestic use, for civil and industrial applications
 For garden use and irrigation

Operating conditions

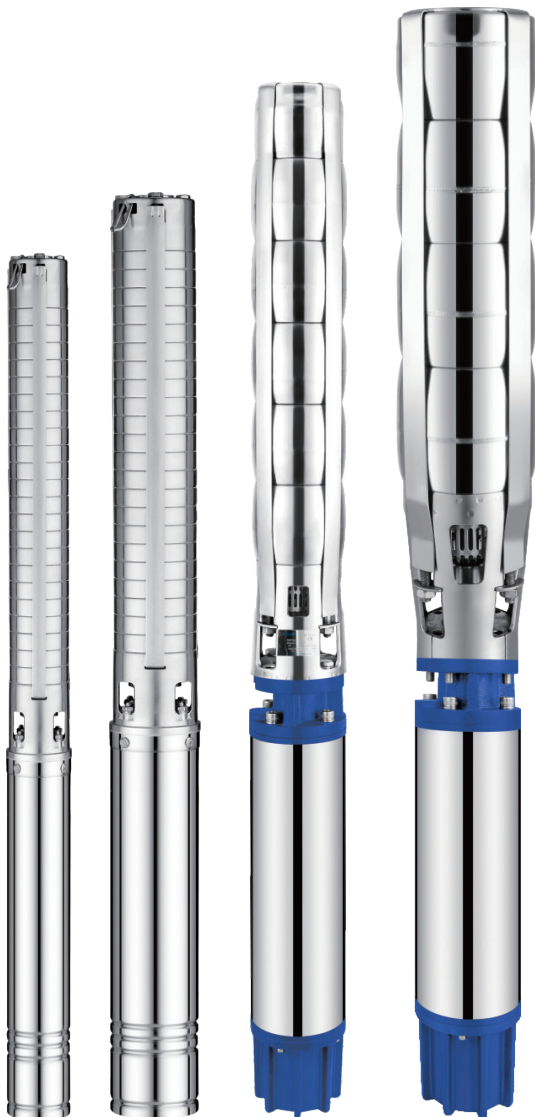
Maximum fluid temperature up to +50°C
 Maximum sand content: 0.25%
 Minimum well diameter: 6"

Motor and Pump

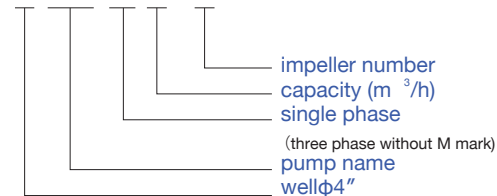
Rewindable motor or Full obturated screen motor
 1. Direct start (1 cable)
 2. Star-delta start (2 cables)
 Equip with start control box or digital auto-control box
 NEMA dimension standards
 Curve tolerance according to ISO2548
 Maximum diameter $\Phi 130$ mm or $\Phi 135$ mm

Warranty: 1 year

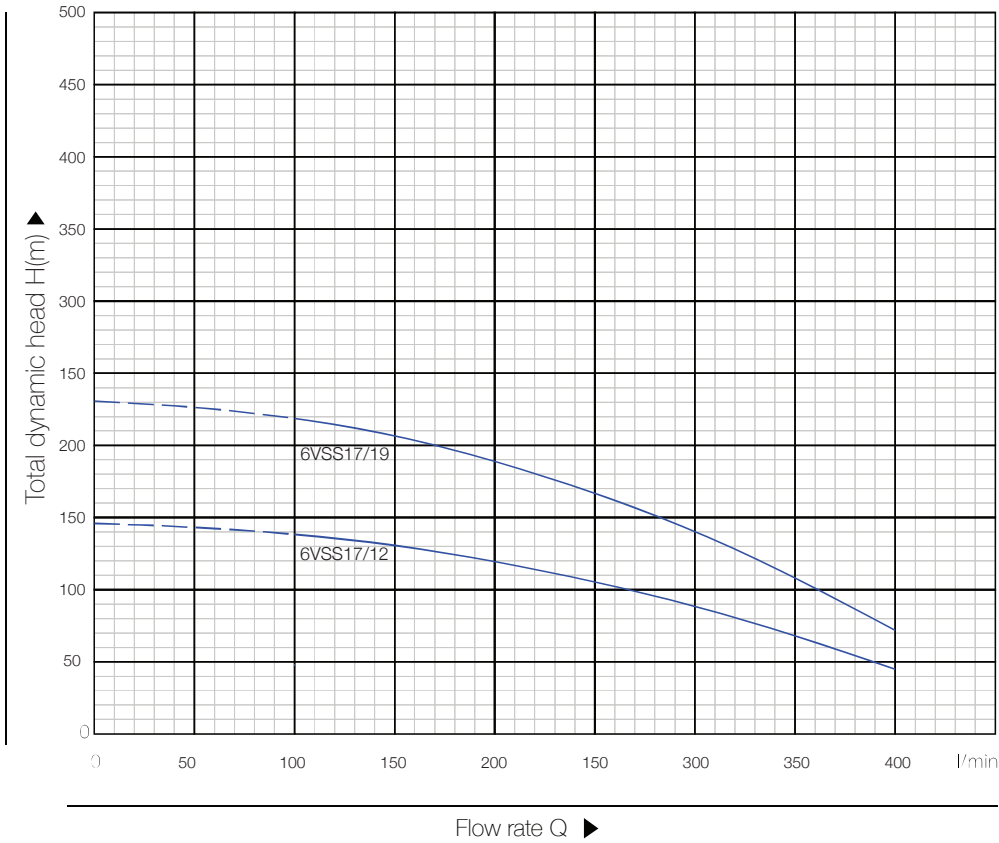
(according to our general sales conditions)



6 VSS M 2 / 5



Components	Material
Delivery casing	① AISI 304
Check valve	① AISI 304
Connection	① AISI 304 ② AISI 316ss
Stage casing	① AISI 304 ② AISI 316ss
Impeller	① AISI 304 ② AISI 316ss
Shaft	① AISI 316 ② AISI 304ss
Shaft coupling	① AISI 316 ② AISI 304ss
Wear ring	Rubber
Motor external casing	① AISI 304ss ② AISI 201ss
Top cover	① Cast Iron G20 UNI5007 ② AISI 304ss
Bottom support	① Cast Iron G20 UNI5007 ② AISI 304ss
Seal	① NBR ② cARBON-SIC/TC
Shaft	AISI 304ss-C1045
Bearing	Ceramic/Carbon/TC 7306 & 6206



PERFORMANCE DATA

MODEL		50 Hz		POWER		DELIVERY								n ≈ 2850 r/min	
1~ 220V/240V	3~ 380V/415V	KW	HP	Q m³/h l/min	0	3	6	9	12	15	18	21	24		
					0	50	100	150	200	250	300	350	400		
6VSS17/12	6VSS17/12	7,5	10	H(m)/ outlet (inch)	127	124	120	113	104	92	77	60	40		
6VSS17/19	6VSS17/19	11	15	3"	211	207	200	189	173	153	129	100	67		

DEBIT MAX (m3/h)	HMT MAX (m)	MODELE	OUTLET Pouce	PIUSSANCE													
				3~ 380V/415V		KW	CV										
03	160	4VN2/22	1,25"	1,1	1,5	DEBIT (m3/h)	0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	03
						HMT (m)	160	159	157	154	150	144	136	126	114	100	84
4,8	145	4VN3/19	1,25"	1,3	02	DEBIT (m3/h)	0	0,6	1,2	1,8	2,4	03	3,6	4,2	4,8		
						HMT (m)	145	140	135	129	120	107	89	67	42		
06	162	4VN4/21	1,25"	1,8	2,2	DEBIT (m3/h)	0	0,6	1,2	1,8	2,4	03	3,6	4,2	4,8	5,4	06
						HMT (m)	162	156	152	148	143	134	124	111	95	77	57
06	186	4VN4/24	1,25"	2,2	03	HMT (m)	186	178	174	169	163	153	141	127	109	88	66
06	131	4VN4/17	1,25"	2,5	02	HMT (m)	131	126	123	120	116	109	100	90	77	62	46
10,8	188	4VN8/30	2"	4	5,5	DEBIT (m3/h)	0	1,2	2,4	3,6	4,8	06	7,2	8,4	9,6	10,8	
						HMT (m)	188	183	171	158	150	142	128	110	85	55	
14,4	59	4VN10/10	2"	1,5	02	DEBIT (m3/h)	0	1,8	3,6	5,4	7,2	09	10,8	12,6	14,4		
						HMT (m)	62	59	56	54	50	44	36	26	14		
14,4	83	4VN10/14	2"	2,2	03	HMT (m)	86	83	79	75	70	62	51	36	20		
14,4	131	4VN10/22	2"	04	5,5	HMT (m)	136	131	124	118	110	97	80	57	32		
14,4	166	4VN10/28	2"	5,5	7,5	HMT (m)	173	166	158	150	140	124	101	72	40		
14,4	202	4VN10/34	2"	7,5	10	HMT (m)	210	202	192	182	170	150	123	88	49		
24	124	6VSS17/12	3"	7,5	10	DEBIT (m3/h)	0	03	06	09	12	15	18	21	24		
						HMT (m)	127	124	120	113	104	92	77	60	40		
24	207	6VSS17/19	3"	11	15	HMT (m)	211	207	200	189	173	153	129	100	67		