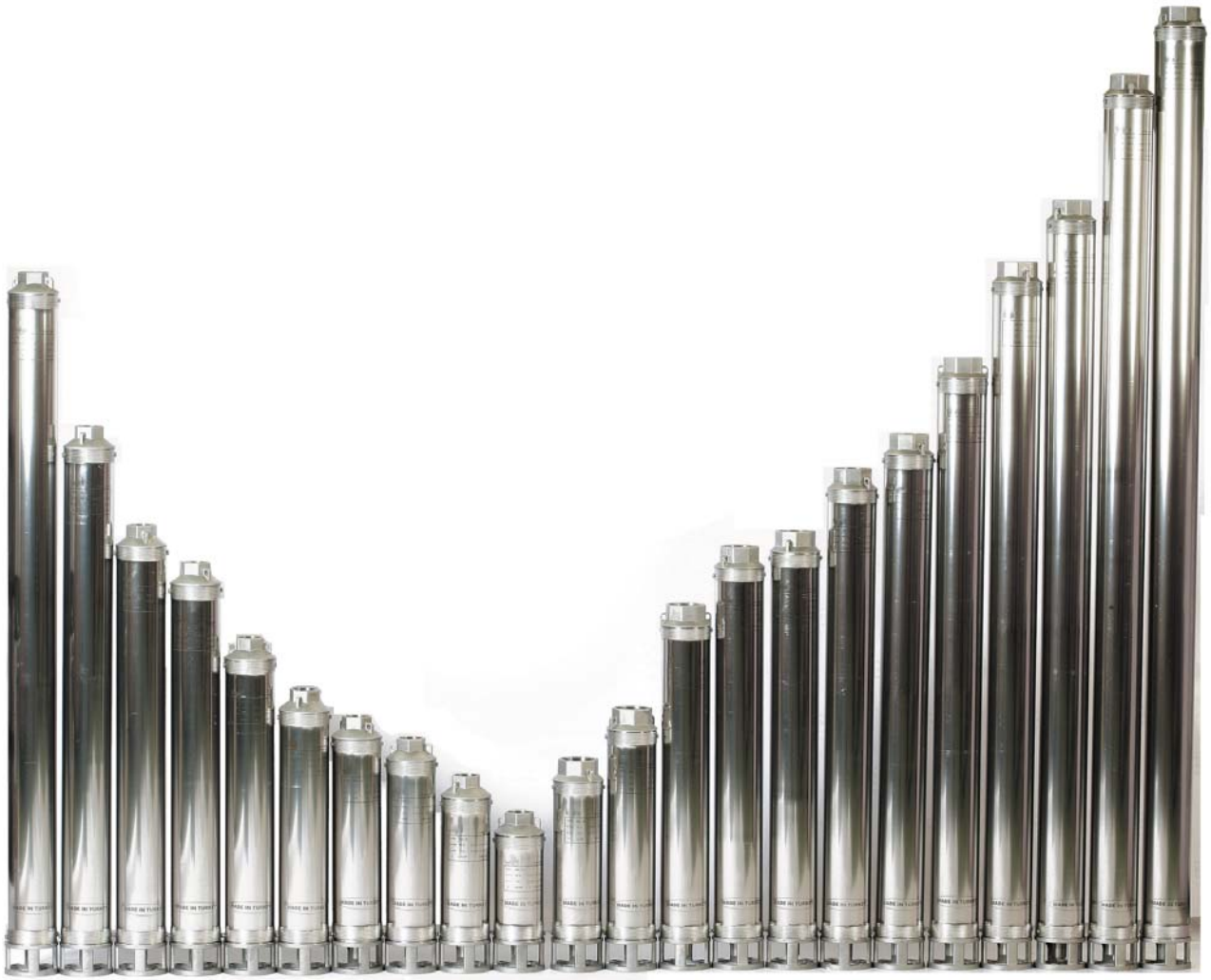
VECTOR ELECTRIC INTERNATIONAL

4”
SUBMERSIBLE PUMPS



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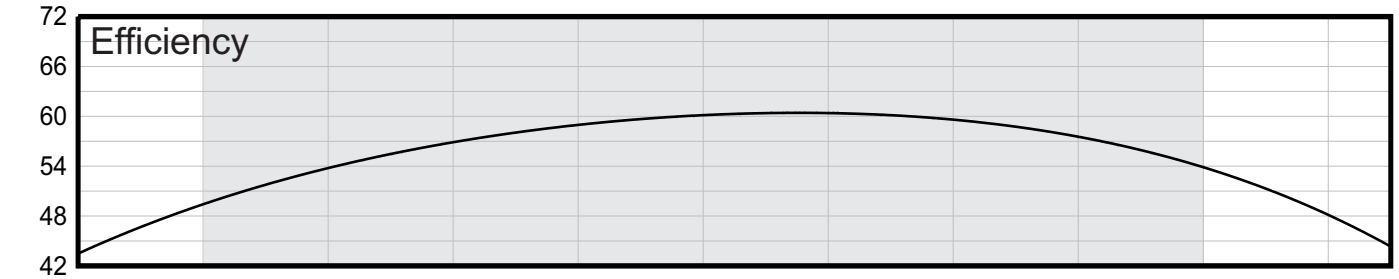
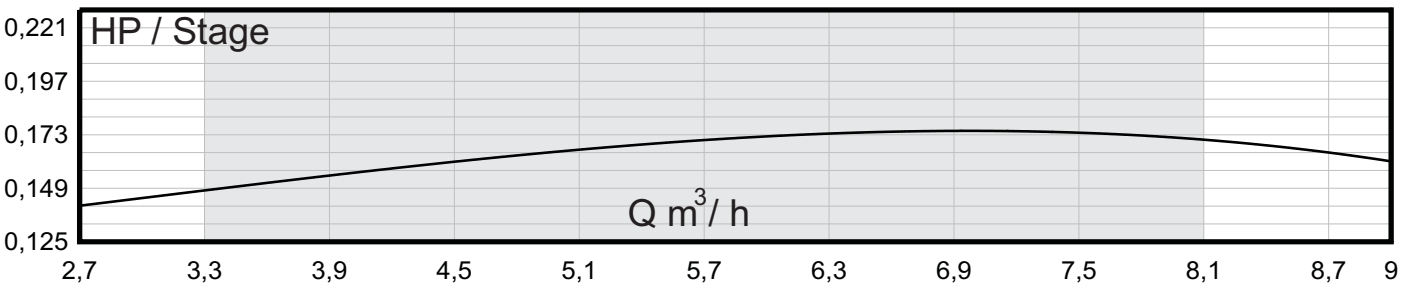
VECTOR ELECTRIC INTERNATIONAL

VE 4 P 16

Submersible Pumps





TYPE & STAGES	POWER		l/sec	0,00	0,75	0,83	0,92	1,00	1,17	1,33	1,50	1,67	1,94	2,00	2,22	2,33	2,50
	HP	kW	m^3/h	0,0	2,7	3,0	3,3	3,6	4,2	4,8	5,4	6,0	7,0	7,2	8,0	8,4	9,0
VE 4 P 16 / 06	1	0,75	Head In Meters	35	33	33	32	32	31	30	29	27	23	23	19	16	13
VE 4 P 16 / 09	1,5	1,1		52	48	48	47	47	45	43	41	38	33	32	26	21	18
VE 4 P 16 / 13	2	1,5		78	74	73	73	72	71	68	65	62	55	53	45	37	31
VE 4 P 16 / 19	3	2,2		109	103	102	102	100	98	94	89	83	73	70	60	51	41
VE 4 P 16 / 26	4	3		151	142	141	139	138	133	125	118	108	93	89	74	64	48
VE 4 P 16 / 31	5	3,7		185	173	172	170	167	160	152	141	130	112	109	90	78	56
VE 4 P 16 / 34	5,5	4		201	188	187	185	183	176	165	154	139	120	116	95	84	64
VE 4 P 16 / 45	7,5	5,5		268	253	252	249	247	237	225	212	192	161	154	129	117	99

VE 4 P 16
Submersible Pumps

TECHNICAL SPECIFICATIONS

LIQUID BEING POMPED
Chemically and mechanically non aggressive.
Temperature min=0°C max=40°C.
Maximum allowable solid quantity = 25 g/m^3
Maximum allowable solid dimension: Max 2 mm

OPERATING RANGE AT 2900 RPM:
Power = 1 HP - 7,5 HP
Qmax= 9 m^3/ h

AT THE BEST EFFICIENCY POINT:
Q= 6 m^3/ h
H= 192 m

MAXIMUM EXTERNAL PUMP DIAMETER:
95 mm (Including cable guard)

OUTLET DIAMETER:
2“

MAXIMUM DEPTH OF APPLICATION:
Up to 400 m below the water level.

MAXIMUM WORKING PRESSURE:
40 atm

MINIMUM LIQUID LEVEL:
600 mm

MAXIMUM HEAD:
253 m

IMPELLER TYPE:
Semiaxial

MATERIAL LIST

PART NAME	MATERIAL
Shaft	Stainless steel (AISI 304)
Retainer	Stainless steel (AISI 304)
Coupling	Stainless steel (AISI 420)
Support	Stainless steel (AISI 304)
Body	Stainless steel (AISI 304)
Impeller	Polycarbonate
Diffuser	Noryl
Bearing	Resine
Bearing housing	Resine
Bearing	Resine
Bushing	Polycarbonate
Bushing	Stainless steel (AISI 420)
Screw	Stainless steel (AISI 304)
Washer	Stainless steel (AISI 304)
Valve housing	Resine
Oring	Rubber
Valve	Resine
Valve body	Stainless steel (AISI 304)
Housing	Stainless steel (AISI 304)
Strainer	Stainless steel (AISI 304)
Cable guard	Resine

OPTIONS

Suction End and Valve Body
Cast Iron or Technoplast
Motor-pump : Cooling shroud, Suction shroud

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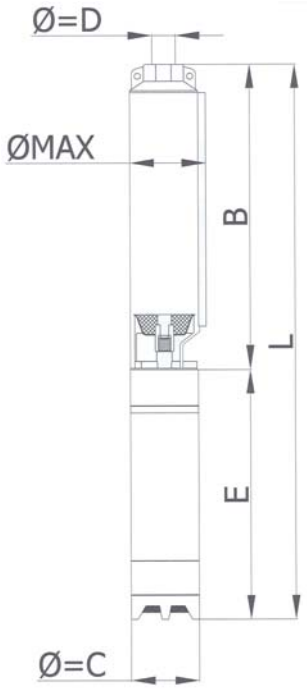
INFORMATIONS

Rotation: Counterclockwise
Shaft End: NEMA Standard
Shaft Diameter: Hexagonal 11 mm



TYPE & STAGES	POWER		PUMP & MOTOR DIMENSIONS (mm)								PUMP & MOTOR WEIGHT (kg)				
			1~	3~	1~	3~					1~	3~		1~	3~
	HP	kW	L	L	E	E	B	Ø = C	Ø = D	Ø GROUP	MOTOR		PUMP	TOTAL	TOTAL
VE 4 P 16 / 06	1	0,75	756	736	386	366	370	93	2"	95	9,7	8,8	2,9	12,6	11,7
VE 4 P 16 / 09	1,5	1,1	891	846	431	386	460	93	2"	95	11,6	9,7	3,6	15,2	13,3
VE 4 P 16 / 13	2	1,5	1086	1041	476	431	610	93	2"	95	13,5	11,6	4,8	18,3	16,4
VE 4 P 16 / 19	3	2,2	1329	1309	509	489	820	93	2"	95	14,7	13,9	6,6	21,3	20,5
VE 4 P 16 / 26	4	3	-	1578	-	548	1030	93	2"	95	-	17,6	7,9	-	25,5
VE 4 P 16 / 31	5	3,7	-	1838	-	618	1220	93	2"	95	-	20,9	9,3	-	30,2
VE 4 P 16 / 34	5,5	4	-	1923	-	618	1305	93	2"	95	-	20,9	9,9	-	30,8
VE 4 P 16 / 45	7,5	5,5	-	2323	-	688	1635	93	2"	95	-	24,0	12,8	-	36,8