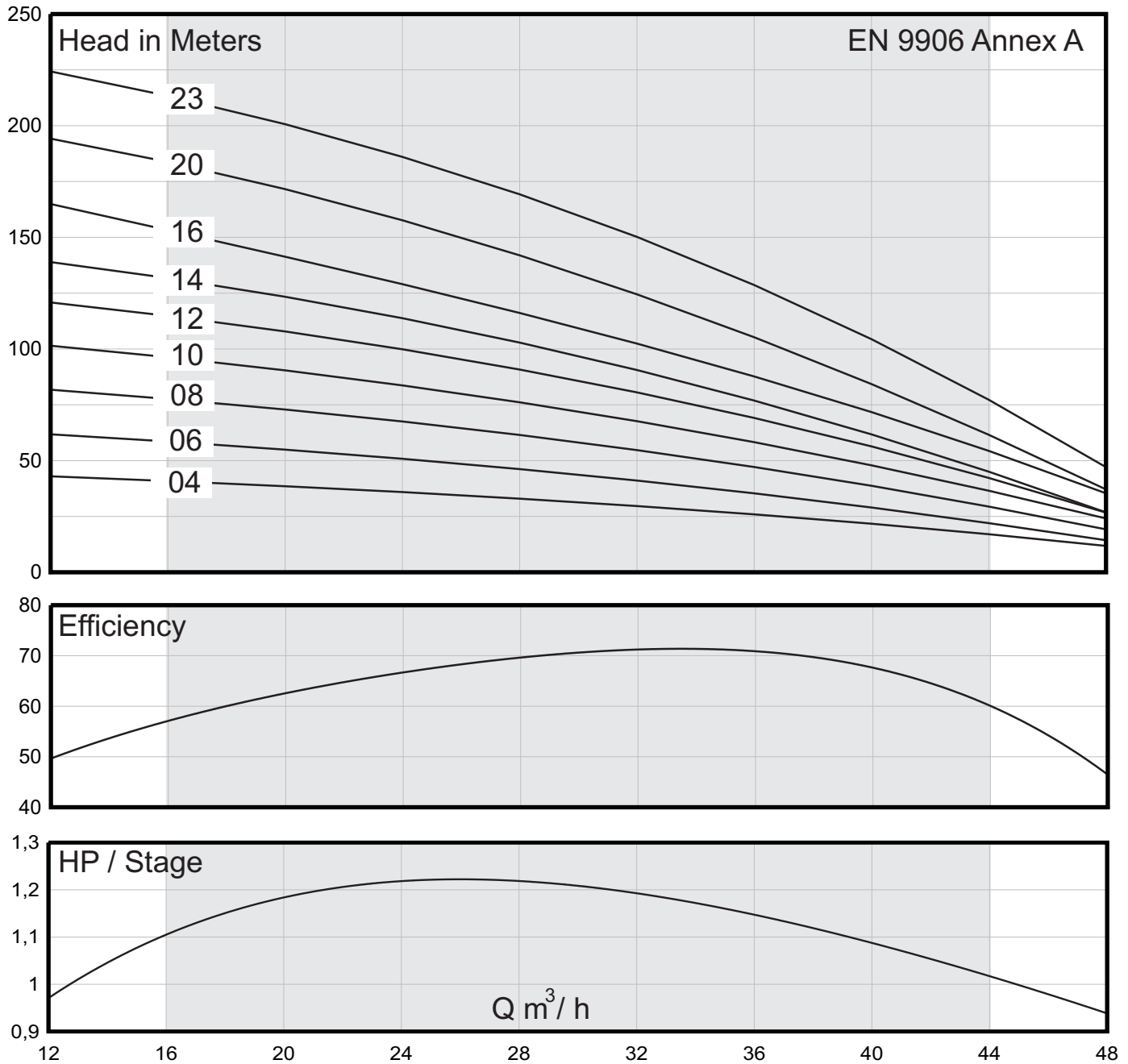


VECTOR ELECTRIC INTERNATIONAL

NORYL SUBMERSIBLE PUMPS





TYPE & STAGES	POWER		l/sec	0,0	3,3	4,4	5,6	6,7	7,8	8,9	10,0	11,1	12,2	13,3
	HP	kW	m³/h	0	12	16	20	24	28	32	36	40	44	48
VE 6 N 97 / 4	5,5	4	Head In Meters	48	43	40,9	38,5	35,9	33	29,7	25,93	21,74	17,04	12
VE 6 N 97 / 6	7,5	5,5		69	62	58,6	54,9	50,8	46,2	41,1	35,34	29,01	22,02	14
VE 6 N 97 / 8	10	7,5		92	82	77,6	72,9	67,5	61,5	54,7	47,14	38,73	29,43	19
VE 6 N 97 / 10	12,5	9,2		113	101	96,3	90,4	83,7	76,1	67,7	58,27	47,9	36,52	24
VE 6 N 97 / 12	15	11		135	121	115	108	99,9	90,8	80,6	69,13	56,38	42,25	27
VE 6 N 97 / 14	17,5	12,7		153	139	132	123	114	103	90,6	76,9	61,75	45,07	27
VE 6 N 97 / 16	20	15		185	165	153	141	129	116	102	87,69	71,74	54,37	35
VE 6 N 97 / 20	25	18,5		215	194	184	172	158	142	124	105,3	84,29	61,57	37
VE 6 N 97 / 23	30	22		249	224	213	201	186	169	150	128,6	104,4	77,25	47

VE 6 N 97

Submersible Pumps

TECHNICAL SPECIFICATIONS

LIQUID BEING PUMPED

Chemically and mechanically non aggressive.
 Temperature min=0 C max=40 C.
 Maximum allowable solid quantity = 25 g/m³
 Maximum allowable solid dimension: Max 2 mm

OPERATING RANGE AT 2900 RPM:

Power = 5,5 HP - 30 HP
 Qmax= 48 m³/h

AT THE BEST EFFICIENCY POINT:

Q= 35 m³/h
 H= 135 m

MAXIMUM EXTERNAL PUMP DIAMETER:

145 mm (Including cable guard)

OUTLET DIAMETER:

3"

MAXIMUM DEPTH OF APPLICATION:

Up to 400 m below the water level

MAXIMUM WORKING PRESSURE:

40 atm

MINIMUM LIQUID LEVEL:

800 mm

MAXIMUM HEAD:

224 m

IMPELLER TYPE:

Radial

MATERIAL LIST

PART NAME	MATERIAL
Shaft	Stainless steel (AISI 304)
Coupling	Stainless steel (AISI 420)
Coupling screw	Stainless steel (AISI 304)
Bushing	Stainless steel (AISI 304)
Support	Cast Iron (GG25)
Diffusor cover	Noryl
Impeller	Noryl
Diffuser	Noryl
Bearing housing	Resine
Bearing	Resine
Bushing	Noryl
Bushing	Stainless steel (AISI 420)
Washer	Stainless steel (AISI 304)
Screw	Stainless steel (AISI 304)
Retainer	Stainless steel (AISI 304)
Valve housing	Stainless steel (AISI 304)
Valve	Stainless steel (AISI 304)
Oring	Rubber
Housing	Stainless steel (AISI 304)
Valve body	Cast Iron (GG25)
Strainer	Stainless steel (AISI 304)
Cable guard	Resine

OPTIONS

Motor-pump : Cooling shroud

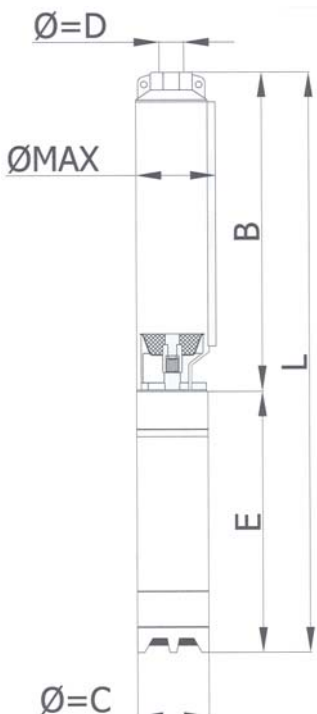
INFORMATIONS

Rotation: Counterclockwise

Shaft End: NEMA Standard

Shaft Diameter: Hexagonal 19 mm

VECTOR  **ELECTRIC**
 INTERNATIONAL



TYPE & STAGES	POWER		PUMP & MOTOR DIMENSIONS (mm)					PUMP & MOTOR WEIGHT (kg)		
	HP	kW	L	E	B	Ø GROUP	Ø = D	MOTOR	PUMP	TOTAL
VE 6 N 97 / 4	5,5	4	1342	610	732	145	3"	45	14,73	59,73
VE 6 N 97 / 6	7,5	5,5	1639	651	988	145	3"	50	18,08	68,08
VE 6 N 97 / 8	10	7,5	1935	691	1244	145	3"	55	21,43	76,43
VE 6 N 97 / 10	12,5	9,2	2231	731	1500	145	3"	60	24,78	84,78
VE 6 N 97 / 12	15	11	2537	781	1756	145	3"	65	28,12	93,12
VE 6 N 97 / 14	17,5	12,7	2843	831	2012	145	3"	67	31,47	98,47
VE 6 N 97 / 16	20	15	3149	881	2268	145	3"	77	34,82	111,8
VE 6 N 97 / 20	25	18,5	3761	981	2780	145	3"	88	41,51	129,5
VE 6 N 97 / 23	30	22	4195	1031	3164	145	3"	93	46,53	139,5