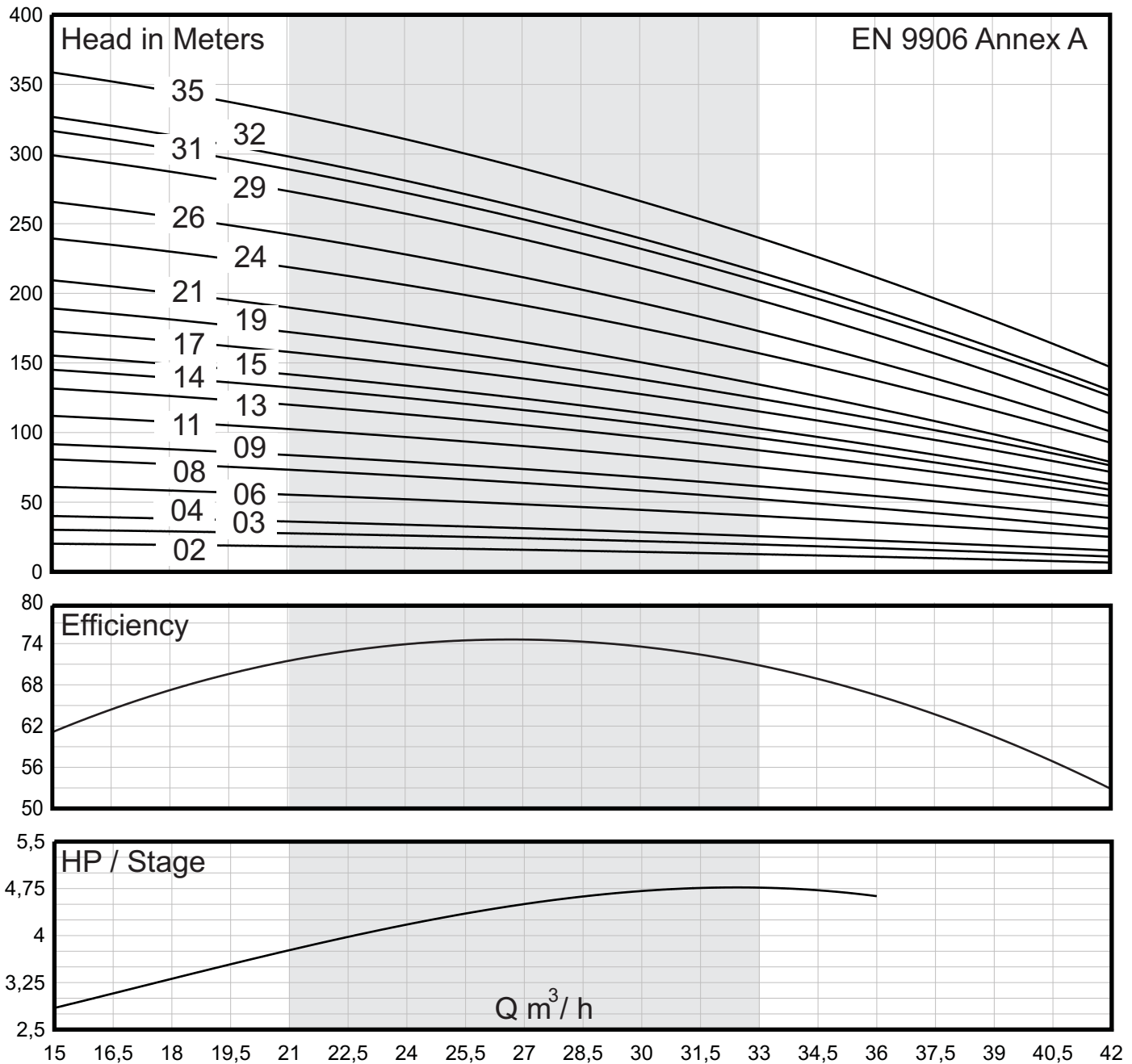


# VECTOR ELECTRIC INTERNATIONAL

## STAINLESS STEEL SUBMERSIBLE PUMPS





TYPE & STAGES	POWER		l/sec m³/h	0	4,17	5,00	5,83	6,67	7,50	8,33	9,17	10,00	10,83	11,67	
	HP	kW		0,0	15,0	18,0	21,0	24,0	27,0	30,0	33,0	36,0	39,0	42,0	
VE 6 S 83 / 02	3	2,2	Head In Meters	22	20	19	18	17	16	15	13	11	9	6	
VE 6 S 83 / 03	4	3		32	30	29	28	26	24	22	20	17	14	11	
VE 6 S 83 / 04	5,5	4		46	40	38	36	34	31	28	26	23	19	15	
VE 6 S 83 / 06	7,5	5,5		69	60	58	56	52	49	45	40	36	30	25	
VE 6 S 83 / 08	10	7,5		90	81	78	73	68	64	58	53	46	38	31	
VE 6 S 83 / 09	12,5	9,2		101	92	88	83	79	74	68	62	55	47	38	
VE 6 S 83 / 11	15	11		123	112	108	102	97	90	83	76	67	57	47	
VE 6 S 83 / 13	15	11		146	132	127	120	113	105	97	87	77	66	55	
VE 6 S 83 / 14	17,5	13		159	147	140	133	125	116	105	95	84	72	61	
VE 6 S 83 / 15	20	15		170	157	150	142	134	124	113	102	90	77	65	
VE 6 S 83 / 17	20	15		190	173	167	158	148	138	127	116	103	88	71	
VE 6 S 83 / 19	25	18,5		210	192	182	172	161	150	137	125	110	94	77	
VE 6 S 83 / 21	25	18,5		233	212	202	190	177	164	149	134	117	100	80	
VE 6 S 83 / 24	30	22		260	240	230	219	207	191	175	156	137	117	93	
VE 6 S 83 / 26	30	22		290	266	255	242	227	212	194	173	152	127	100	
VE 6 S 83 / 29	35	26		325	298	287	273	257	240	220	196	170	143	113	
VE 6 S 83 / 31	35	26		348	317	303	289	272	253	233	210	184	155	126	
VE 6 S 83 / 32	40	30		359	327	313	298	281	261	240	217	190	160	130	
VE 6 S 83 / 35	40	30	388	358	346	329	311	290	267	240	211	180	148		

# VE 6 S 83

## Submersible Pumps

### TECHNICAL SPECIFICATIONS

#### LIQUID BEING PUMPED

Chemically and mechanically non aggressive.  
 Temperature min=0°C max=40°C.  
 Maximum allowable solid quantity = 50 g/m<sup>3</sup>  
 Maximum allowable solid dimension: Max 2 mm

#### OPERATING RANGE AT 2900 RPM:

Power = 3 HP - 40 HP  
 Qmax= 42 m<sup>3</sup>/h

#### AT THE BEST EFFICIENCY POINT:

Q= 27 m<sup>3</sup>/h  
 H= 290 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:

358 m

#### IMPELLER TYPE:

Semiaxial

### MATERIAL LIST

PART NAME	MATERIAL
Shaft	Stainless steel (AISI 420)
Support	Stainless steel (AISI 304)
Coupling	Stainless steel (AISI 304)
Coupling screw	Stainless steel (AISI 304)
Bearing	Rubber/Steel
Diffuser	Stainless steel (AISI 304)
Wear ring	Rubber/Steel
Impeller	Stainless steel (AISI 304)
Bushing	Stainless steel (AISI 304)
Nut	Stainless steel (AISI 304)
Valve body	Stainless steel (AISI 304)
Valve	Stainless steel (AISI 304)
Valve spring	Stainless steel (AISI 304)
Strainer	Stainless steel (AISI 304)
Cable guard	Stainless steel (AISI 304)
Tie-bolt	Stainless steel (AISI 304)

### OPTIONS

Motor-pump : Cooling shroud

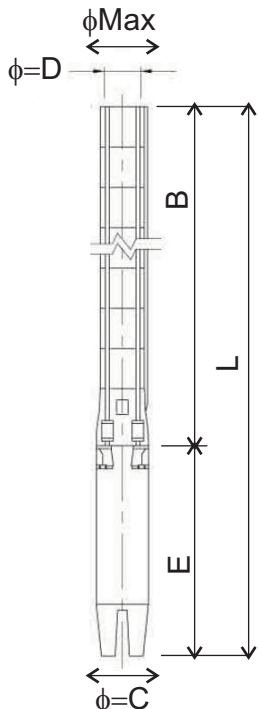
### INFORMATIONS

Rotation: Counterclockwise

Shaft End: NEMA Standard

Shaft Diameter: 20 mm

**VECTOR**  **ELECTRIC**  
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TYPE & STAGES	POWER		PUMP & MOTOR DIMENSIONS ( mm )						PUMP & MOTOR WEIGHT ( kg )		
	HP	KW	L	E	B	Ø = C	Ø = D	Ø GROUP	MOTOR	PUMP	TOTAL
VE 6 S 83 / 02	3	2,2	971	509	462	93	3"	131	15	8,4	23
VE 6 S 83 / 03	4	3	1106	548	558	93	3"	131	18	10,1	27,7
VE 6 S 83 / 04	5,5	4	1264	610	654	145	3"	145	45	11,8	56,8
VE 6 S 83 / 06	7,5	5,5	1496	650	846	145	3"	145	50	15,2	65,2
VE 6 S 83 / 08	10	7,5	1728	690	1038	145	3"	145	55	18,6	73,6
VE 6 S 83 / 09	12,5	9,2	1864	730	1134	145	3"	145	60	20,3	80,3
VE 6 S 83 / 11	15	11	2106	780	1326	145	3"	145	65	23,6	88,6
VE 6 S 83 / 13	15	11	2298	780	1518	145	3"	145	65	27	92,0
VE 6 S 83 / 14	17,5	13	2394	780	1614	145	3"	145	65	28,7	93,7
VE 6 S 83 / 15	20	15	2590	880	1710	145	3"	145	77	30,4	107,4
VE 6 S 83 / 17	20	15	2782	880	1902	145	3"	145	77	33,8	110,8
VE 6 S 83 / 19	25	18,5	3074	980	2094	145	3"	145	88	37,2	125,2
VE 6 S 83 / 21	25	18,5	3266	980	2286	145	3"	145	88	40,6	128,6
VE 6 S 83 / 24	30	22	3604	1030	2574	145	3"	145	93	45,6	138,6
VE 6 S 83 / 26	30	22	3796	1030	2766	145	3"	145	93	49	142,0
VE 6 S 83 / 29	35	26	4164	1110	3054	145	3"	145	105	54,1	159,1
VE 6 S 83 / 31	35	26	4356	1110	3246	145	3"	145	105	57,5	162,5
VE 6 S 83 / 32	40	30	4532	1190	3342	145	3"	145	112	59,2	171,2
VE 6 S 83 / 35	40	30	4820	1190	3630	145	3"	145	112	64,3	176,3