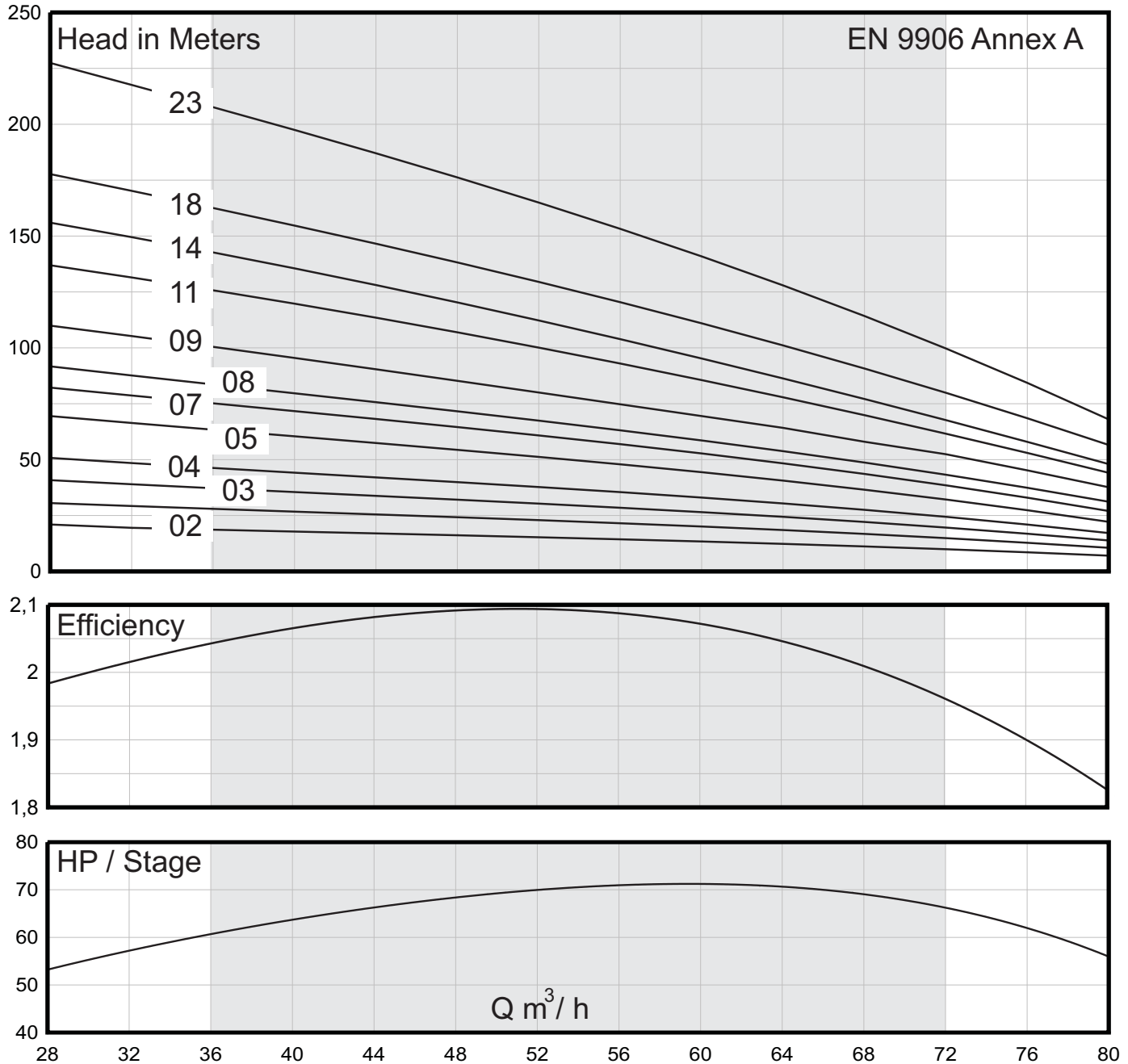


# VECTOR ELECTRIC INTERNATIONAL

## NORYL SUBMERSIBLE PUMPS





TYPE & STAGES	POWER		l/sec m <sup>3</sup> /h	0,0	7,8	8,9	10,0	11,1	12,2	13,3	14,4	15,6	16,7	17,8	18,9	20,0	21,1	22,2
	HP	kw		0	28	32	36	40	44	48	52	56	60	64	68	72	76	80
VE 6 N 167 / 02	5,5	4	Head in Meters	26	21	20	19	18	17	16	15	14	13	12	11	10	9	7
VE 6 N 167 / 03	7,5	5,5		38	31	29	28	27	26	24	23	22	20	19	17	15	13	11
VE 6 N 167 / 04	10	7,5		51	41	39	37	36	34	32	30	28	27	24	22	20	17	14
VE 6 N 167 / 05	12,5	9,2		63	51	48	46	44	42	40	38	35	33	30	28	24	21	17
VE 6 N 167 / 07	15	11		86	69	66	63	60	57	54	51	48	44	41	37	32	27	22
VE 6 N 167 / 08	17,5	12,7		101	82	79	75	72	68	65	61	57	53	48	44	39	33	27
VE 6 N 167 / 09	20	15		110	92	88	84	80	76	72	67	63	59	54	49	43	37	31
VE 6 N 167 / 11	25	18,5		135	110	105	100	95	90	85	80	75	69	64	58	52	45	38
VE 6 N 167 / 14	30	22		167	137	131	126	120	113	107	100	93	86	78	70	62	53	44
VE 6 N 167 / 16	35	26		190	156	150	143	136	128	120	112	104	95	86	77	68	58	48
VE 6 N 167 / 18	40	30		200	178	170	163	155	147	138	129	120	111	101	91	80	69	57
VE 6 N 167 / 23	50	37		246	227	218	208	197	187	176	165	153	141	128	114	100	84	68

# VE 6 N 167

## 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/m<sup>3</sup>  
 Maximum allowable solid dimension: Max 2 mm

#### OPERATING RANGE AT 2900 RPM:

Power = 5,5 HP - 50 HP  
 Qmax= 80 m<sup>3</sup>/h

#### AT THE BEST EFFICIENCY POINT:

Q= 60 m<sup>3</sup>/h  
 H= 141 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:

227 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

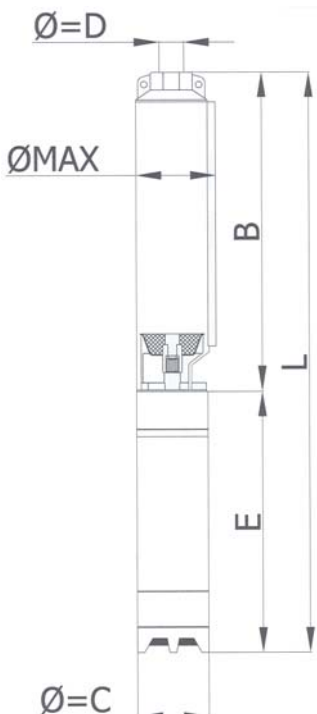
### INFORMATIONS

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 167 / 02	5,5	4	1086	610	476	145	3"	45	11,33	56,33
VE 6 N 167 / 03	7,5	5,5	1255	651	604	145	3"	50	12,98	62,98
VE 6 N 167 / 04	10	7,5	1423	691	732	145	3"	55	14,63	69,63
VE 6 N 167 / 05	12,5	9,2	1591	731	860	145	3"	60	16,27	76,27
VE 6 N 167 / 07	15	11	1897	781	1116	145	3"	65	19,57	84,57
VE 6 N 167 / 08	17,5	12,7	2075	831	1244	145	3"	67	21,21	88,21
VE 6 N 167 / 09	20	15	2253	881	1372	145	3"	77	22,86	99,86
VE 6 N 167 / 11	25	18,5	2609	981	1628	145	3"	88	26,15	114,2
VE 6 N 167 / 14	30	22	3043	1031	2012	145	3"	93	31,09	124,1
VE 6 N 167 / 16	35	26	3379	1111	2268	145	3"	105	34,39	139,4
VE 6 N 167 / 18	40	30	3715	1191	2524	145	3"	112	37,68	149,7
VE 6 N 167 / 23	50	37	4435	1271	3164	145	3"	114	45,91	159,9