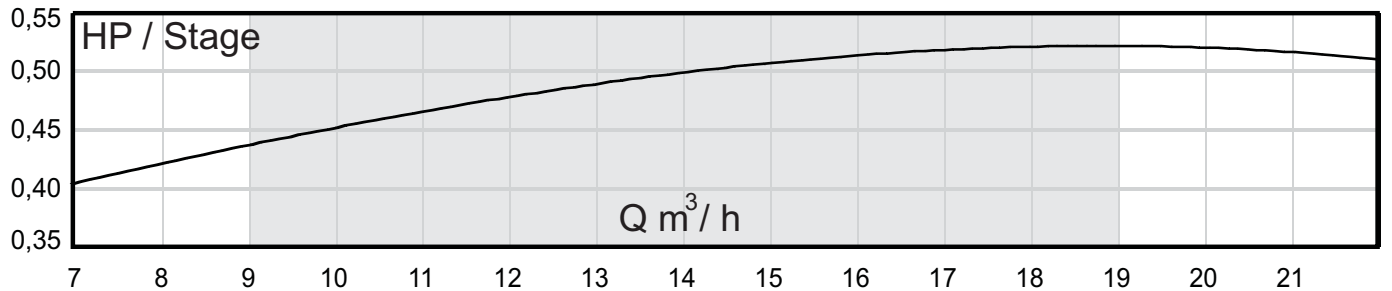
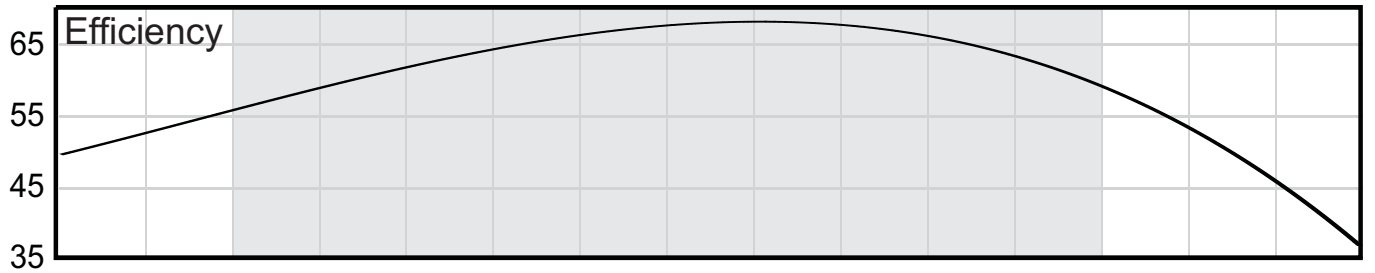
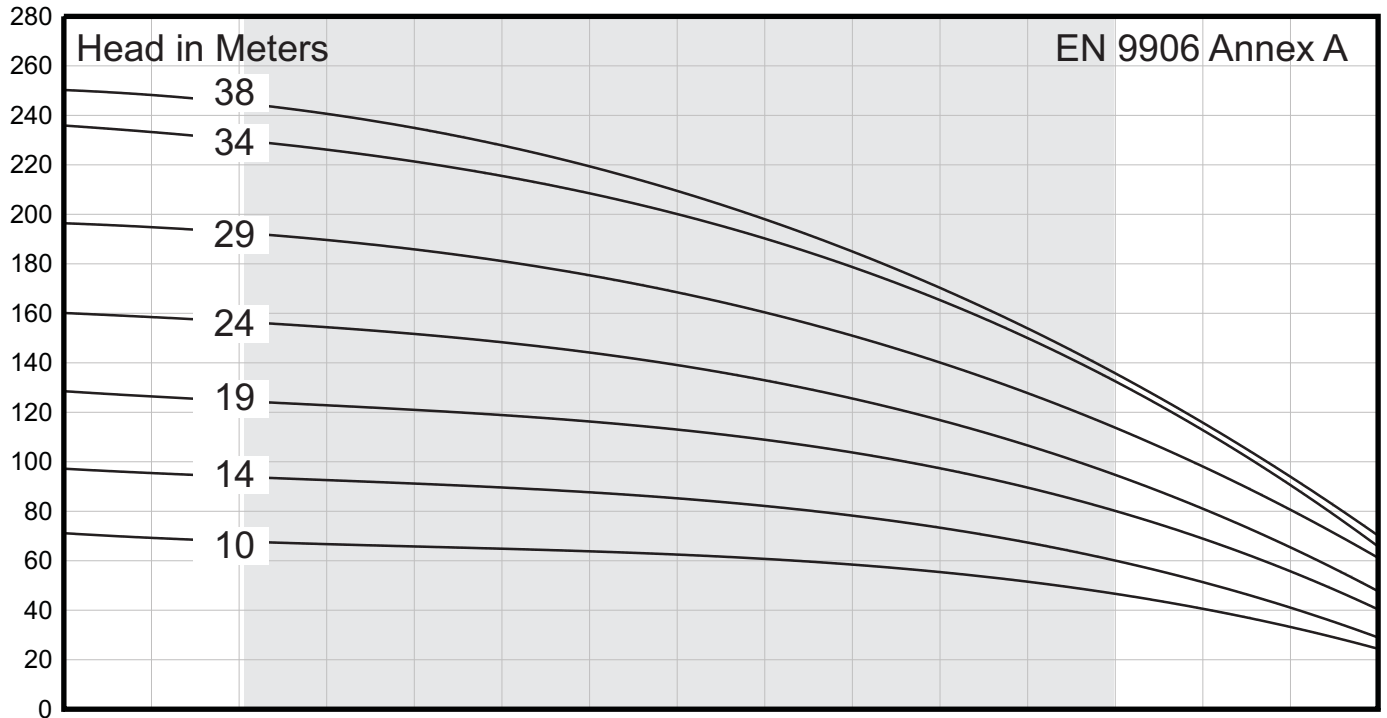


# VECTOR ELECTRIC INTERNATIONAL

## NORYL SUBMERSIBLE PUMPS





TYPE & STAGES	POWER		l/sec	Q m <sup>3</sup> / h																			
	HP	kW		0	1,94	2,22	2,50	2,67	2,81	3,00	3,33	3,61	3,67	3,89	4,00	4,33	4,44	4,67	4,72	5,00	5,28	5,56	6,11
			m <sup>3</sup> /h	0	7,0	8,0	9,0	9,6	10,1	10,8	12,0	13,0	13,2	14,0	14,4	15,6	16,0	16,8	17,0	18,0	19,0	20,0	22,0
VE 5 N 44 / 10	5,5	4	Head In Meters	79	71	70	68	67	67	65	64	63	63	62	62	60	57	56	51	45	38	26	
VE 5 N 44 / 14	7,5	5,5		109	98	96	94	93	91	90	88	87	87	87	87	82	79	75	73	66	58	49	31
VE 5 N 44 / 19	10	7,5		146	129	127	125	123	122	120	117	115	115	116	115	108	103	99	96	89	80	66	42
VE 5 N 44 / 24	12,5	9,2		184	163	158	155	155	152	150	145	145	145	143	141	131	126	119	115	103	92	80	50
VE 5 N 44 / 29	15	11		226	200	196	191	188	185	182	179	179	179	172	169	157	151	143	139	124	110	95	65
VE 5 N 44 / 34	17,5	12,7		269	239	235	229	225	222	218	212	210	210	203	203	187	179	170	165	147	127	107	71
VE 5 N 44 / 38	20	15		290	255	252	239	237	234	231	230	226	226	213	209	190	187	168	163	153	137	113	73

# VE 5 N 44

## 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 - 20 HP  
 Qmax= 22 m<sup>3</sup> / h

#### AT THE BEST EFFICIENCY POINT:

Q= 16 m<sup>3</sup> / h  
 H= 153 m

#### MAXIMUM EXTERNAL PUMP DIAMETER:

125 mm (Including cable guard)

#### OUTLET DIAMETER:

2 1/2"

#### MAXIMUM DEPTH OF APPLICATION:

Up to 400 m below the water level

#### MAXIMUM WORKING PRESSURE:

40 atm

#### MINIMUM LIQUID LEVEL:

700 mm

#### MAXIMUM HEAD:

255 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

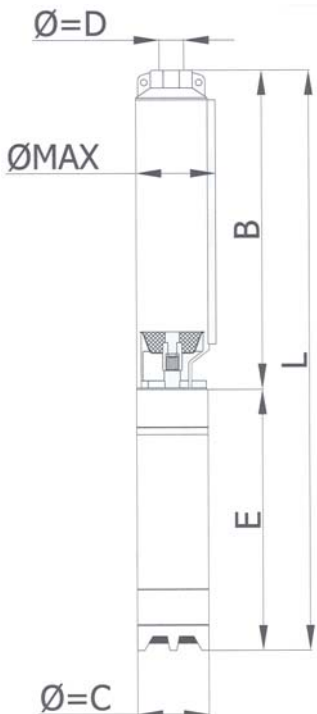
### INFORMATIONS

Rotation: Counterclockwise

Shaft End: NEMA Standard

Shaft Diameter: Hexagonal 15 mm

**VECTOR**  **ELECTRIC**  
 INTERNATIONAL



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 5 N 44 / 10	5,5	4	1327	572	755	123	2 1/2"	125	28	9,68	37,7
VE 5 N 44 / 14	7,5	5,5	1507	572	935	123	2 1/2"	125	28,0	12	40,0
VE 5 N 44 / 19	10	7,5	1758	597	1161	123	2 1/2"	125	31,0	14	45,0
VE 5 N 44 / 24	12,5	9,2	2069	634	1435	123	2 1/2"	125	34,0	17,5	51,5
VE 5 N 44 / 29	15	11	2331	671	1660	123	2 1/2"	125	37,0	19,5	56,5
VE 5 N 44 / 34	17,5	12,7	2602	722	1880	123	2 1/2"	125	41,0	22	63,0
VE 5 N 44 / 38	20	15	2880	765	2115	123	2 1/2"	125	46,5	25	71,5