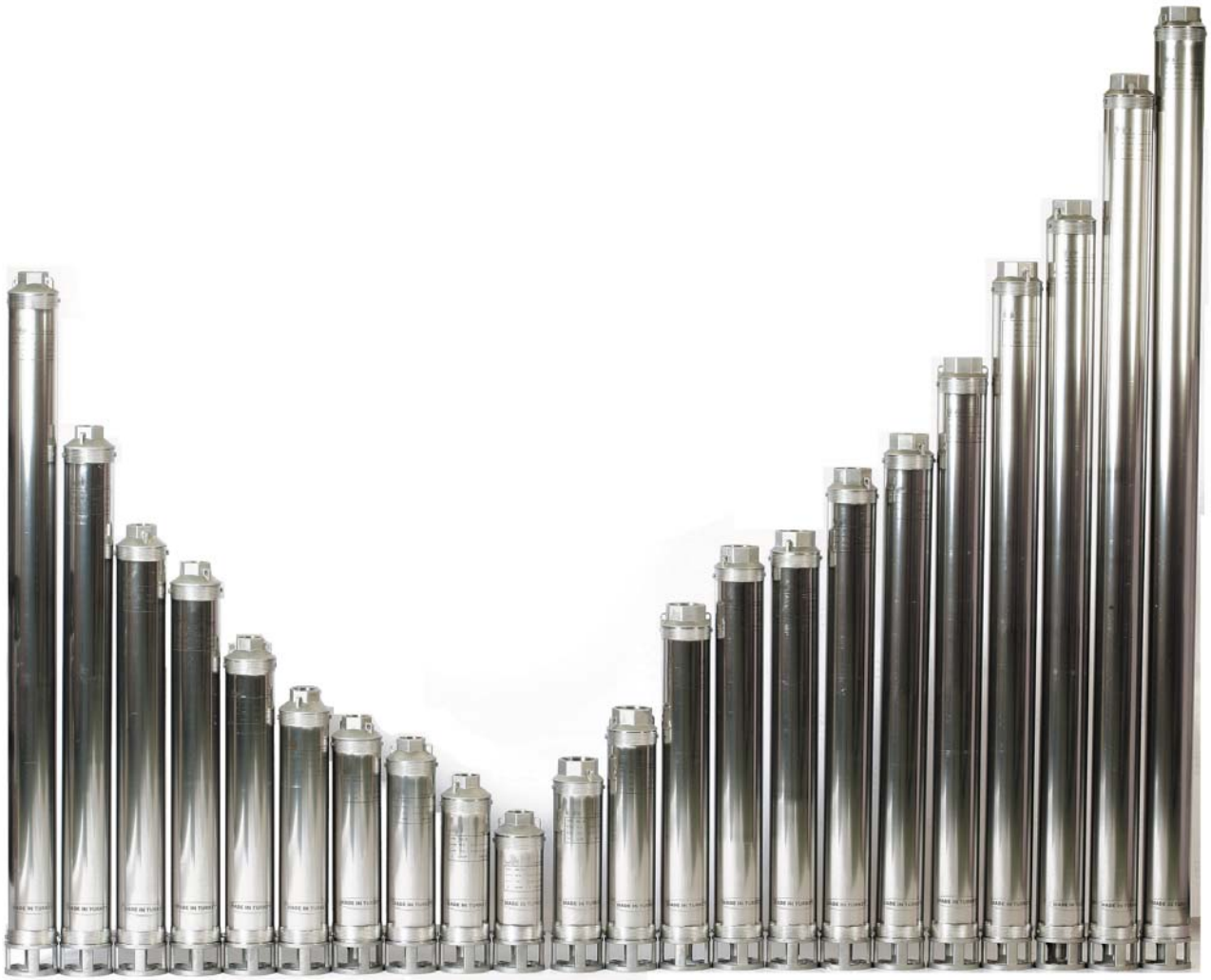
VECTOR ELECTRIC INTERNATIONAL

4”
SUBMERSIBLE PUMPS

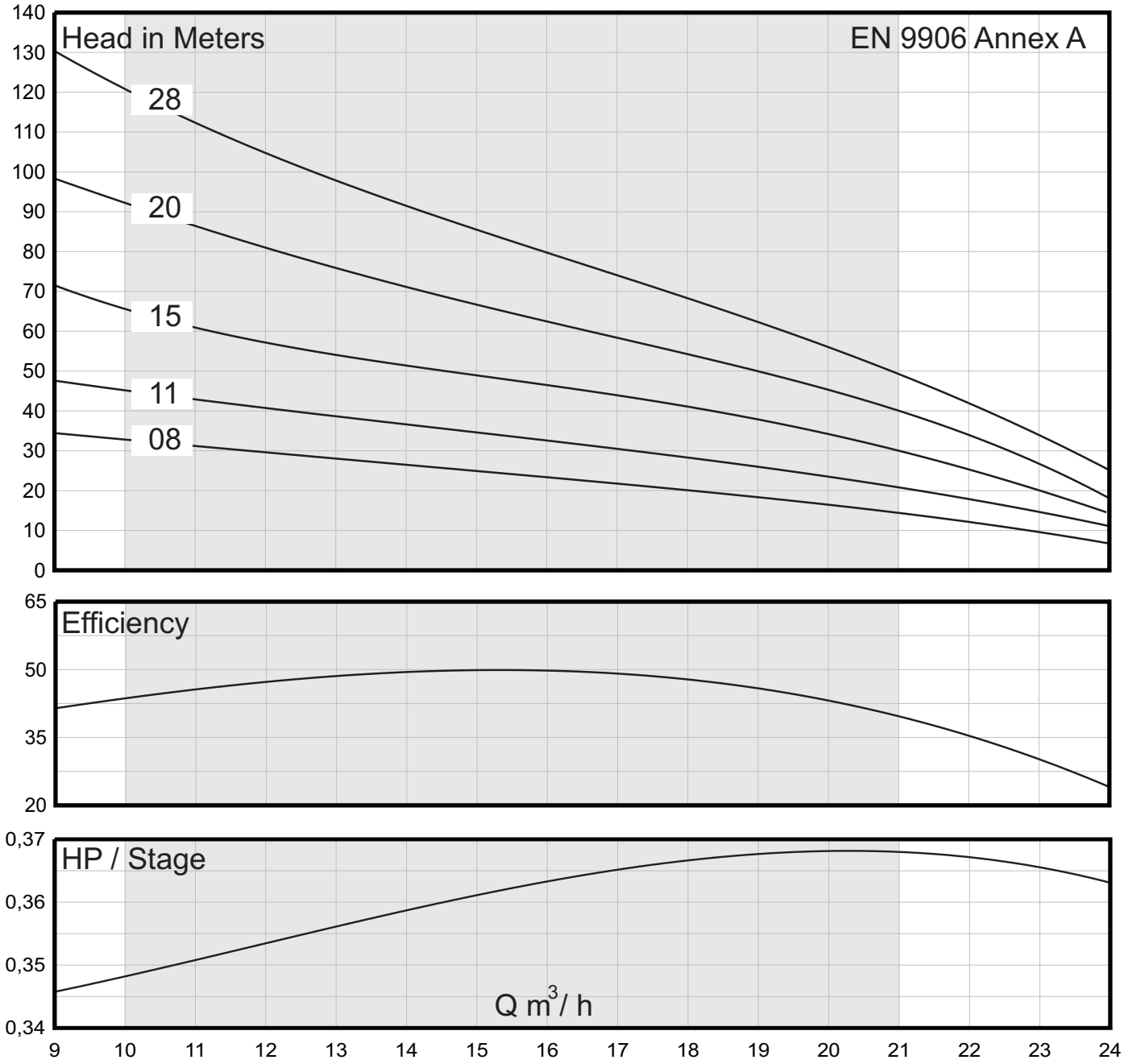


www.vectorsubmersible.com

VECTOR ELECTRIC INTERNATIONAL

VE 4 P 42

Submersible Pumps



TYPE & STAGES	POWER		l/sec	0,0	2,5	2,8	3,1	3,3	3,6	3,9	4,2	4,4	4,7	5,0	5,3	5,6	5,8	6,1	6,4	6,7
	HP	kW	m^3/h	0	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
VE 4 P 42 / 08	3	2,2	Head In Meters	46	34	33	31	30	28	26	25	23	22	20	18	16	14	12	10	7
VE 4 P 42 / 11	4	3		63	48	45	43	41	39	37	35	33	30	28	26	24	21	18	15	11
VE 4 P 42 / 15	5,5	4		87	72	66	61	58	55	52	49	47	45	42	39	35	31	26	21	15
VE 4 P 42 / 20	7,5	5,5		121	98	92	86	81	76	71	67	62	58	54	50	45	40	34	27	18
VE 4 P 42 / 28	10	7,5		165	130	121	112	105	98	92	86	80	74	68	62	56	49	42	34	25

VE 4 P 42
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 = 3 HP - 10 HP
Qmax= 24 m^3/ h

AT THE BEST EFFICIENCY POINT:
Q= 15 m^3/ h
H= 86 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:
130 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	Polycarbonat
Diffuser	Polycarbonate (Fiberglass)
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

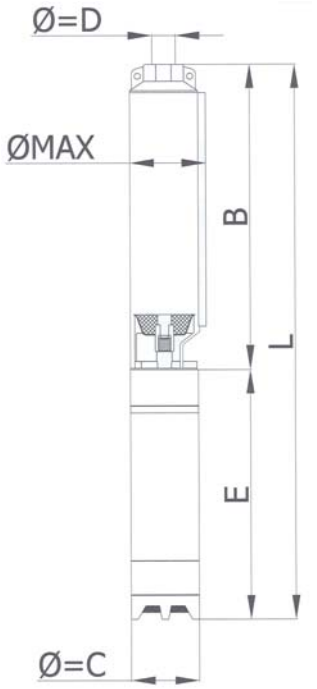
OPTIONS

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

VECTOR CE ELECTRIC INTERNATIONAL

INFORMATIONS

Rotation: Counterclockwise
Shaft End: NEMA Standard
Shaft Diameter: Hexagonal 12 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 42 / 08	3	2,2	1195	1175	509	489	686	93	2"	95	14,7	13,9	5,4	20,0	19,2
VE 4 P 42 / 11	4	3	-	1455	-	548	907	93	2"	95	-	17,6	6,9	-	24,5
VE 4 P 42 / 15	5,5	4	-	1820	-	618	1202	93	2"	95	-	20,9	9,0	-	29,9
VE 4 P 42 / 20	7,5	5,5	-	2258	-	688	1570	93	2"	95	-	24,0	11,6	-	35,6
VE 4 P 42 / 28	10	7,5	-	2927	-	768	2159	93	2"	95	-	28,0	15,8	-	43,8