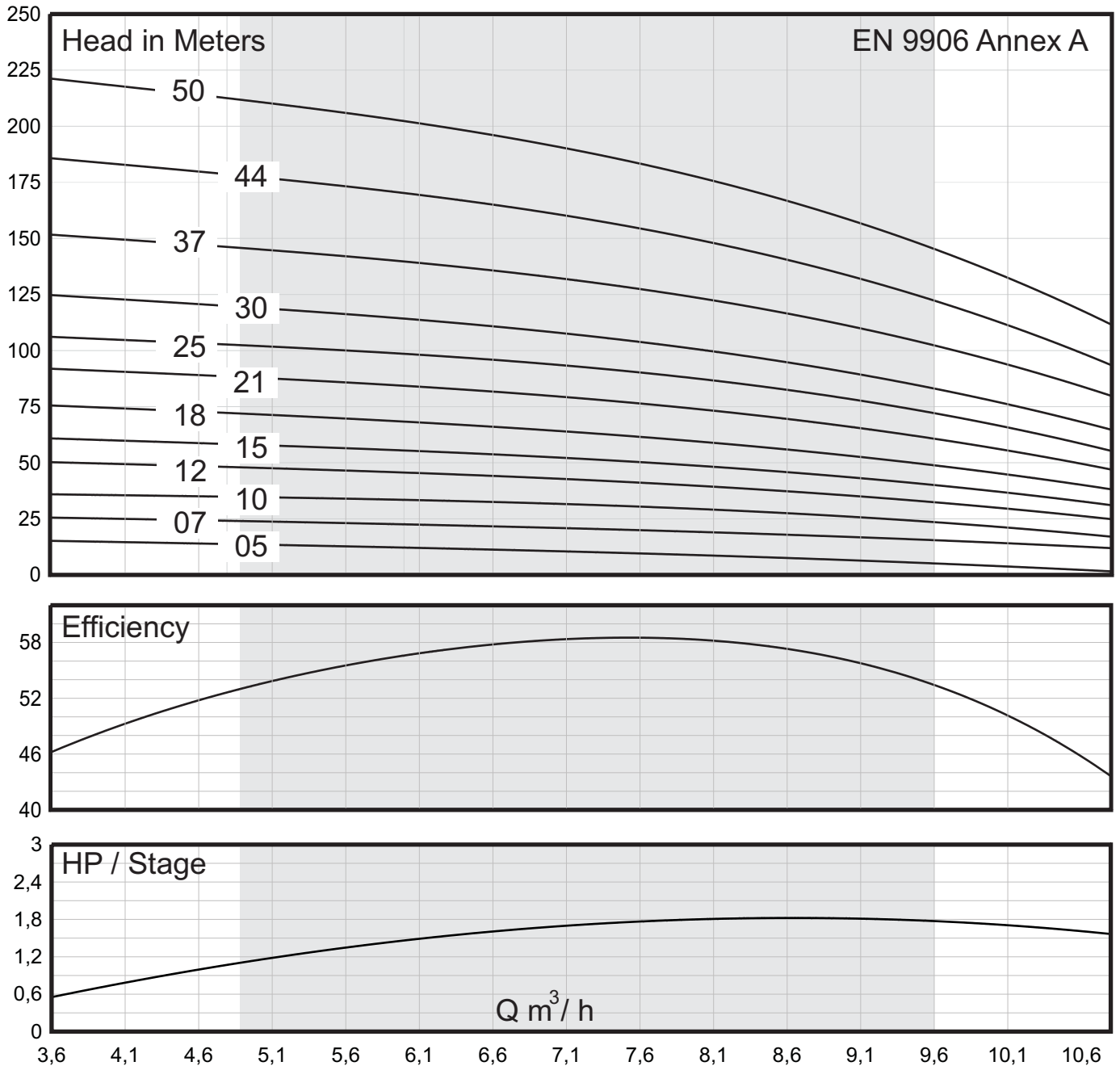


VECTOR ELECTRIC INTERNATIONAL

STAINLESS STEEL SUBMERSIBLE PUMPS





| TYPE & STAGES | POWER | | l/sec | 0,00 | 1,00 | 1,17 | 1,33 | 1,50 | 1,67 | 2,00 | 2,33 | 2,67 | 3,00 |
|----------------|-------|------|-------------------|------|------|------|------|------|------|------|------|------|------|
| | HP | kW | m ³ /h | 0,0 | 3,6 | 4,2 | 4,8 | 5,4 | 6,0 | 7,2 | 8,4 | 9,6 | 10,8 |
| VE 4 S 22 / 05 | 1 | 0,75 | Head In Meters | 30 | 26 | 25 | 24 | 23 | 22 | 21 | 19 | 15 | 12 |
| VE 4 S 22 / 07 | 1,5 | 1,1 | | 41 | 36 | 35 | 35 | 34 | 34 | 32 | 27 | 24 | 17 |
| VE 4 S 22 / 10 | 2 | 1,5 | | 58 | 51 | 49 | 47 | 47 | 46 | 43 | 38 | 32 | 25 |
| VE 4 S 22 / 12 | 3 | 2,2 | | 71 | 61 | 60 | 58 | 57 | 55 | 52 | 47 | 40 | 31 |
| VE 4 S 22 / 15 | 3 | 2,2 | | 87 | 76 | 74 | 72 | 70 | 68 | 64 | 57 | 49 | 38 |
| VE 4 S 22 / 18 | 4 | 3 | | 104 | 93 | 90 | 88 | 86 | 84 | 79 | 72 | 60 | 47 |
| VE 4 S 22 / 21 | 5,5 | 4 | | 122 | 107 | 105 | 102 | 100 | 98 | 93 | 85 | 72 | 55 |
| VE 4 S 22 / 25 | 5,5 | 4 | | 144 | 126 | 123 | 119 | 116 | 114 | 107 | 97 | 84 | 64 |
| VE 4 S 22 / 30 | 7,5 | 5,5 | | 174 | 154 | 149 | 145 | 142 | 139 | 131 | 120 | 103 | 79 |
| VE 4 S 22 / 37 | 7,5 | 5,5 | | 215 | 188 | 183 | 177 | 173 | 169 | 160 | 145 | 122 | 93 |
| VE 4 S 22 / 44 | 10 | 7,5 | | 256 | 224 | 218 | 210 | 206 | 201 | 190 | 172 | 145 | 111 |
| VE 4 S 22 / 50 | 10 | 7,5 | | 291 | 255 | 248 | 239 | 234 | 228 | 216 | 195 | 165 | 126 |

VE 4 S 22

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/m³
 Maximum allowable solid dimension: Max 2 mm

OPERATING RANGE AT 2900 RPM:

Power = 1 HP - 10 HP
 Qmax= 11 m³/h

AT THE BEST EFFICIENCY POINT:

Q= 7,8 m³/h
 H= 210 m

MAXIMUM EXTERNAL PUMP DIAMETER:

94 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:

255 m

IMPELLER TYPE:

Semiaxial

MATERIAL LIST

| PART NAME | MATERIAL |
|-----------------|----------------------------|
| Shaft | Stainless steel (AISI 304) |
| Retainer | Stainless steel (AISI 304) |
| Coupling | Stainless steel (AISI 304) |
| Support | Stainless steel (AISI 304) |
| Body | Stainless steel (AISI 304) |
| Impeller | Stainless steel (AISI 304) |
| Diffuser | Stainless steel (AISI 304) |
| Bearing | Resine |
| Bearing housing | Stainless steel (AISI 304) |
| Bearing | Resine |
| Bushing | Stainless steel (AISI 304) |
| Bushing | Stainless steel (AISI 304) |
| Screw | Stainless steel (AISI 304) |
| Washer | Stainless steel (AISI 304) |
| Valve housing | Stainless steel (AISI 304) |
| Oring | Rubber |
| Valve | Stainless steel (AISI 304) |
| Valve body | 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, Suction shroud

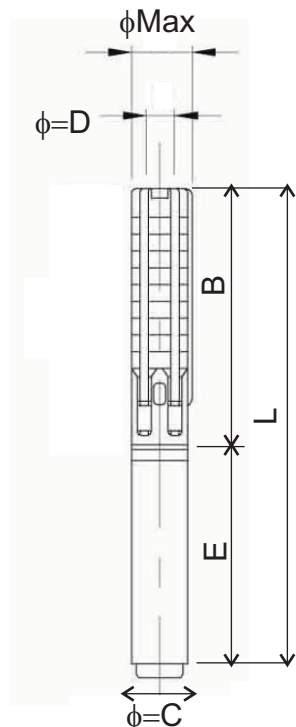
INFORMATIONS

Rotation: Counterclockwise

Shaft End: NEMA Standard

Shaft Diameter: 14 mm

VECTOR  **ELECTRIC**
 INTERNATIONAL



| 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 | $\phi=C$ | $\phi=D$ | ϕ GROUP | MOTOR | | PUMP | TOTAL | TOTAL |
| VE 4 S 22 / 05 | 1 | 0,75 | 798 | 778 | 386 | 366 | 412 | 93 | 2" | 98 | 9,7 | 8,8 | 4,3 | 14,0 | 13,1 |
| VE 4 S 22 / 07 | 1,5 | 1,1 | 927 | 882 | 431 | 386 | 496 | 93 | 2" | 98 | 11,6 | 9,7 | 5,3 | 16,9 | 15,0 |
| VE 4 S 22 / 10 | 2 | 1,5 | 1098 | 1053 | 476 | 431 | 622 | 93 | 2" | 98 | 13,5 | 11,6 | 6,8 | 20,3 | 18,4 |
| VE 4 S 22 / 12 | 3 | 2,2 | 1215 | 1195 | 509 | 489 | 706 | 93 | 2" | 98 | 14,7 | 13,9 | 7,8 | 22,5 | 21,7 |
| VE 4 S 22 / 15 | 3 | 2,2 | 1341 | 1321 | 509 | 489 | 832 | 93 | 2" | 98 | 14,7 | 13,9 | 9,3 | 24,0 | 23,2 |
| VE 4 S 22 / 18 | 4 | 3 | - | 1506 | - | 548 | 958 | 93 | 2" | 98 | - | 17,6 | 10,8 | - | 28,4 |
| VE 4 S 22 / 21 | 5,5 | 4 | - | 1702 | - | 618 | 1084 | 93 | 2" | 98 | - | 20,9 | 12,3 | - | 33,2 |
| VE 4 S 22 / 25 | 5,5 | 4 | - | 1870 | - | 618 | 1252 | 93 | 2" | 98 | - | 20,9 | 14,3 | - | 35,2 |
| VE 4 S 22 / 30 | 7,5 | 5,5 | - | 2150 | - | 688 | 1462 | 93 | 2" | 98 | - | 24,0 | 16,8 | - | 40,8 |
| VE 4 S 22 / 37 | 7,5 | 5,5 | - | 2441 | - | 688 | 1753 | 93 | 2" | 98 | - | 24,0 | 20,3 | - | 44,3 |
| VE 4 S 22 / 44 | 10 | 7,5 | - | 2815 | - | 768 | 2047 | 93 | 2" | 98 | - | 28,0 | 23,8 | - | 51,8 |
| VE 4 S 22 / 50 | 10 | 7,5 | - | 3067 | - | 768 | 2299 | 93 | 2" | 98 | - | 28,0 | 26,8 | - | 54,8 |