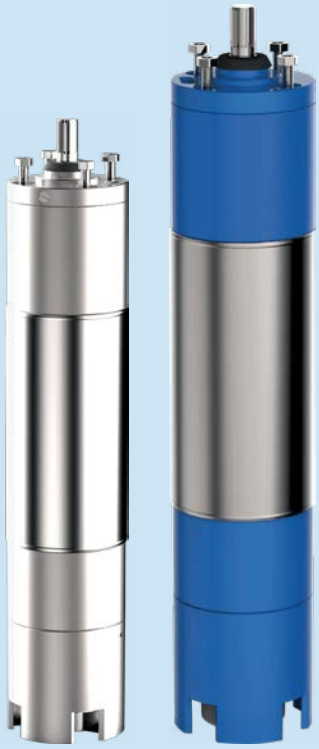
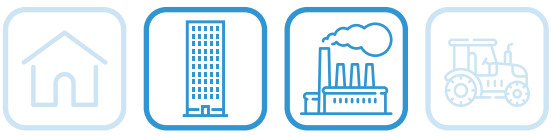
# 6R/8R/10R

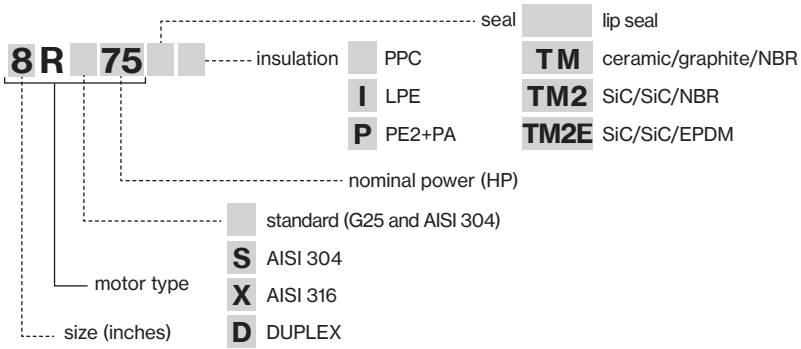
## Submersible Well Motors

6”, 8”, 10” rewindable submersible water-filled motors with NEMA coupling flange and shaftend. Power from 4 kW up to 185 kW. Avaible in PPC (standard), LPE and PE2+PA insulation class. The motor can be supplied in stainless steel AISI 304, AISI 316 or Duplex EN 1.4462.



| Construction features | |
|---|---|
| **Upper and bottom support** | G25 (6R / 8R / 10R)<br>stainless steel AISI 304 (6RS / 8RS / 10RS)<br>stainless steel AISI 316 (6RX / 8RX / 10RX)<br>Duplex EN 1.4462 (6RD / 8RD / 10RD) |
| **Stator sleeve** | stainless steel AISI 304 - (R)<br>stainless steel AISI 304 - (RS)<br>stainless steel AISI 316 - (RX)<br>Duplex EN 1.4462 - (RD) |
| **Shaft end** | stainless steel AISI 431 - (R)<br>stainless steel AISI 431 - (RS)<br>stainless steel AISI 316 - (RX)<br>Duplex EN 1.4462 - (RD) |
| **Seal type** | lip seal (standard);<br>mechanical seal (on request) |
| **Bearings** | radial and axial, water lubricated |
| **Thrust bearing** | Michell |
| **Voltage** | 3~ 380V ± 10% - 60Hz<br>3~ 380/660V ± 10% -60Hz |
| **Min. cooling flow** | 0,5 m/s |
| **Insulation class** | Y (max 30° C) for PPC<br>F (max 50° C) for PE2+PA or LPE |
| **Insulation** | PPC (standard)<br>PE2 + PA or LPE (on request) |
| **Protection degree** | IPX8 |
| **Max depth immersion** | 350m |
| **Available on demand** | - PT 100<br>- Star/Delta starting<br>- Cooling Sleeve<br>- Cer./Carb./NBR Seal<br>- SIC/SIC/NBR Seal |



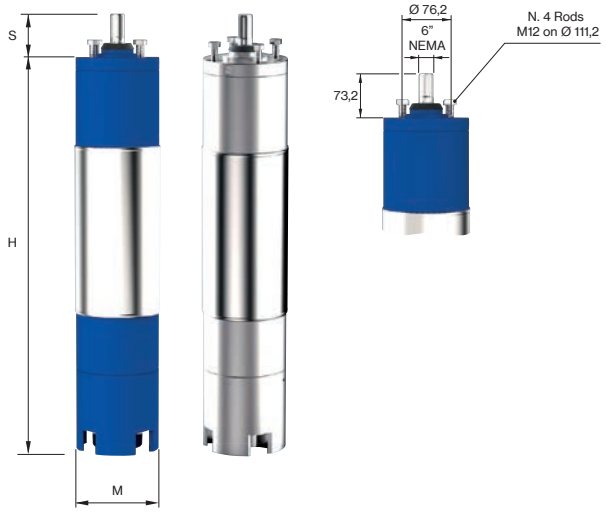


# 6R-6RS-6RX-6RD

| TYPE | Power | | V | $I_N$ | rpm | Efficency % | | | Cos Φ | | | Starting | | | | Axial load | Start/ hour (max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Direct | | Star-delta | Statoric | | |
| | HP | kW | | A | | 50% | 75% | 100% | 50% | 75% | 100% | Cs/Cn | Is / In | Is / In | Is / In | N | |
| **6R7** | 7,5 | 5,5 | 230<br>400<br>460 | 21,3<br>12,3<br>10,7 | 3427<br>3435<br>3441 | 77<br>76<br>75 | 82<br>81<br>80 | 81<br>80<br>79 | 0,67<br>0,65<br>0,63 | 0,78<br>0,76<br>0,74 | 0,83<br>0,81<br>0,79 | 1,60 | 5,60 | 1,90 | 3,40 | 16000 | 15 |
| **6R10** | 10 | 7,5 | 230<br>400<br>460 | 28,2<br>16,3<br>14,3 | 3428<br>3435<br>3439 | 78<br>77<br>76 | 82,5<br>81,5<br>80,5 | 82<br>81<br>80 | 0,68<br>0,66<br>0,64 | 0,78<br>0,76<br>0,74 | 0,84<br>0,82<br>0,80 | 1,80 | 5,70 | 1,90 | 3,40 | | |
| **6R12** | 12,5 | 9,2 | 230<br>400<br>460 | 34,4<br>19,9<br>17,3 | 3431<br>3437<br>3443 | 79<br>78<br>77 | 83<br>82<br>81 | 82<br>81<br>80 | 0,68<br>0,66<br>0,64 | 0,79<br>0,77<br>0,75 | 0,85<br>0,83<br>0,81 | 1,80 | 5,70 | 1,90 | 3,40 | | |
| **6R15** | 15 | 11 | 230<br>400<br>460 | 40,5<br>23,4<br>20,3 | 3431<br>3439<br>3446 | 80<br>79<br>78 | 84,5<br>83,5<br>82,5 | 83,5<br>82,5<br>81,5 | 0,69<br>0,67<br>0,65 | 0,79<br>0,77<br>0,75 | 0,85<br>0,83<br>0,81 | 1,90 | 5,90 | 2,00 | 3,50 | | |
| **6R17** | 17,5 | 13 | 230<br>400<br>460 | 47,2<br>27,3<br>23,7 | 3435<br>3440<br>3446 | 80<br>80<br>79 | 84,5<br>83,5<br>82,5 | 84<br>83<br>82 | 0,69<br>0,67<br>0,65 | 0,79<br>0,77<br>0,75 | 0,85<br>0,83<br>0,81 | 1,80 | 6,00 | 2,00 | 3,60 | | |
| **6R20** | 20 | 15 | 230<br>400<br>460 | 55<br>31,5<br>27,4 | 3435<br>3440<br>3446 | 82<br>81<br>80 | 85<br>84<br>83 | 84<br>83<br>82 | 0,69<br>0,67<br>0,65 | 0,79<br>0,77<br>0,75 | 0,85<br>0,83<br>0,81 | 1,70 | 5,90 | 2,00 | 3,50 | | |
| **6R25** | 25 | 18,5 | 230<br>400<br>460 | 66,2<br>38,3<br>33,3 | 3440<br>3446<br>3449 | 82<br>81<br>80 | 85,5<br>84,5<br>83 | 85<br>84<br>82,5 | 0,69<br>0,67<br>0,65 | 0,79<br>0,77<br>0,75 | 0,85<br>0,83<br>0,81 | 1,70 | 5,60 | 1,90 | 3,40 | 25000 | |
| **6R30** | 30 | 22 | 230<br>400<br>460 | 78<br>45,1<br>39,2 | 3437<br>3448<br>3453 | 82,5<br>81,5<br>80 | 85,5<br>84,5<br>83 | 85<br>84<br>82,5 | 0,70<br>0,68<br>0,66 | 0,80<br>0,78<br>0,76 | 0,86<br>0,84<br>0,82 | 1,70 | 5,90 | 2,00 | 3,50 | | |
| **6R35** | 35 | 26 | 230<br>400<br>460 | 91,5<br>52,9<br>46 | 3440<br>3449<br>3457 | 82,5<br>81,5<br>80 | 86<br>85<br>83,5 | 85,5<br>84,5<br>83,0 | 0,71<br>0,69<br>0,67 | 0,81<br>0,79<br>0,77 | 0,86<br>0,84<br>0,82 | 1,70 | 5,70 | 1,90 | 3,40 | | |
| **6R40** | 40 | 30 | 230<br>400<br>460 | 106<br>61,1<br>53,2 | 3446<br>3453<br>3460 | 82,5<br>81,5<br>80 | 86,0<br>85,0<br>83,5 | 85,5<br>84,5<br>83 | 0,72<br>0,70<br>0,68 | 0,81<br>0,79<br>0,77 | 0,86<br>0,84<br>0,82 | 1,70 | 5,60 | 1,90 | 3,40 | | |
| **6R50** | 50 | 37 | 230<br>400<br>460 | 131<br>75,8<br>66 | 3451<br>3457<br>3464 | 83<br>82<br>80,5 | 86,5<br>85,5<br>84 | 85<br>84<br>82,5 | 0,72<br>0,70<br>0,68 | 0,81<br>0,79<br>0,77 | 0,86<br>0,84<br>0,82 | 1,60 | 5,60 | 1,90 | 3,40 | | |

Service factor: 60Hz=1.15 - Direction of rotation (view from shaft projection side: anti-clockwise
Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

| TYPE | Power | | Cables | | Cable lenght | Max water temperature by winding type | |
|---|---|---|---|---|---|---|---|
| | | | Starting | | | | |
| | HP | kW | Direct | Star Delta | m | PPC | PE2-PA / LPE |
| | | | 460 V ± 5% | 460 / 800 V | | | |
| **6R7** | 7,5 | 5,5 | 4G × 4 mm² | 2 × (4G × 4 mm²) | 3 | 30 °C | 50 °C |
| **6R10** | 10 | 7,5 | 4G × 4 mm² | 2 × (4G × 4 mm²) | | | |
| **6R12** | 12,5 | 9,2 | 4G × 4 mm² | 2 × (4G × 4 mm²) | | | |
| **6R15** | 15 | 11 | 4G × 4 mm² | 2 × (4G × 4 mm²) | | | |
| **6R17** | 17,5 | 13 | 4G × 6 mm² | 2 × (4G × 4 mm²) | | | |
| **6R20** | 20 | 15 | 4G × 6 mm² | 2 × (4G × 4 mm²) | | | |
| **6R25** | 25 | 18,5 | 4G × 6 mm² | 2 × (4G × 4 mm²) | | | |
| **6R30** | 30 | 22 | 4G × 6 mm² | 2 × (4G × 4 mm²) | | | |
| **6R35** | 35 | 26 | 4G × 10 mm² | 2 × (4G × 6 mm²) | | | |
| **6R40** | 40 | 30 | 4G × 10 mm² | 2 × (4G × 6 mm²) | | | |
| **6R50** | 50 | 37 | 4G × 10 mm² | 2 × (4G × 6 mm²) | | | |

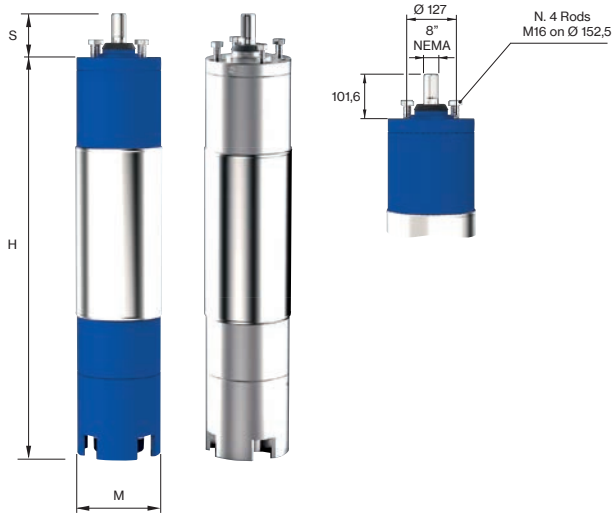



| TYPE | DIMENSIONS | | | Kg |
|---|---|---|---|---|
| | H | S | M | |
| | mm | | | |
| **6R7** | 671 | 73,2 | 145 | 45 |
| **6R10** | 701 | | | 55 |
| **6R12** | 751 | | | 60 |
| **6R15** | 811 | | | 65 |
| **6R17** | 841 | | | 70 |
| **6R20** | 931 | | | 75 |
| **6R25** | 991 | | | 83 |
| **6R30** | 1071 | | | 92 |
| **6R35** | 1181 | | | 100 |
| **6R40** | 1251 | | | 108 |
| **6R50** | 1341 | | | 118 |

| TYPE | Power | | V | $I_N$ | rpm | Efficency % | | | Cos Φ | | | Starting | | | | Axial load | Start/hour (max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Direct | | Star-delta | Statoric | | |
| | HP | kW | | A | | 50% | 75% | 100% | 50% | 75% | 100% | Cs/Cn | Is / In | Is / In | Is / In | N | |
| | | | 230 | 106,5 | 3436 | 79,8 | 85,2 | 84,3 | 0,77 | 0,81 | 0,84 | | | | | | |
| **8R40** | 40 | 30 | 400 | 61,7 | 3445 | 80,1 | 85 | 84,7 | 0,76 | 0,80 | 0,83 | 2,05 | 6,40 | 2,10 | 3,80 | | |
| | | | 460 | 54 | 3456 | 79,3 | 84,5 | 85 | 0,75 | 0,79 | 0,82 | | | | | | |
| | | | 230 | 126 | 3439 | 80,3 | 85,7 | 84,8 | 0,79 | 0,83 | 0,88 | | | | | | |
| **8R50** | 50 | 37 | 400 | 73 | 3449 | 80,6 | 85,5 | 85,2 | 0,77 | 0,81 | 0,86 | 1,95 | 5,70 | 2 | 3,70 | | |
| | | | 460 | 63,5 | 3457 | 79,8 | 85 | 85,5 | 0,75 | 0,79 | 0,84 | | | | | | |
| | | | 230 | 149 | 3457 | 80,8 | 86,2 | 85,3 | 0,76 | 0,86 | 0,87 | | | | | | |
| **8R60** | 60 | 45 | 400 | 86,3 | 3462 | 81,1 | 86 | 85,7 | 0,74 | 0,81 | 0,86 | 1,95 | 5,80 | 2 | 3,70 | | |
| | | | 460 | 75,1 | 3469 | 80,3 | 85,5 | 86 | 0,72 | 0,79 | 0,84 | | | | | | |
| | | | 230 | 184 | 3461 | 81,3 | 86,7 | 85,8 | 0,76 | 0,85 | 0,89 | | | | | | |
| **8R75** | 75 | 55 | 400 | 106,2 | 3468 | 81,6 | 86,5 | 86,2 | 0,74 | 0,81 | 0,87 | 1,85 | 5,80 | 2 | 3,60 | | |
| | | | 460 | 92,2 | 3472 | 80,8 | 86 | 86,5 | 0,72 | 0,80 | 0,84 | | | | | | |
| | | | 230 | 218 | 3463 | 82,4 | 87,5 | 86,8 | 0,76 | 0,86 | 0,89 | | | | | | |
| **8R90** | 90 | 66 | 400 | 126 | 3469 | 82,6 | 87,4 | 87,2 | 0,74 | 0,82 | 0,87 | 1,85 | 5,80 | 2 | 3,50 | | |
| | | | 460 | 109,6 | 3473 | 81,9 | 86,9 | 87,5 | 0,72 | 0,79 | 0,84 | | | | | | |
| | | | 230 | 247,7 | 3462 | 82,3 | 87,7 | 86,8 | 0,75 | 0,85 | 0,89 | | | | | | |
| **8R100** | 100 | 75 | 400 | 143,2 | 3470 | 82,6 | 87,5 | 87,2 | 0,73 | 0,81 | 0,87 | 1,80 | 5,80 | 2 | 3,50 | | |
| | | | 460 | 124,6 | 3476 | 81,8 | 87 | 87,5 | 0,71 | 0,77 | 0,84 | | | | | | |
| | | | 230 | 302,9 | 3465 | 83 | 86 | 85,7 | 0,75 | 0,84 | 0,89 | | | | | | |
| **8R125** | 125 | 92 | 400 | 175,1 | 3472 | 83,5 | 86,5 | 86,3 | 0,74 | 0,83 | 0,88 | 1,80 | 5,70 | 1,90 | 3,50 | | |
| | | | 460 | 152,3 | 3478 | 83 | 86 | 86,3 | 0,72 | 0,81 | 0,86 | | | | | | |
| | | | 230 | 366,1 | 3467 | 85,5 | 86,5 | 86 | 0,74 | 0,83 | 0,89 | | | | | | |
| **8R150** | 150 | 110 | 400 | 211 | 3473 | 86,1 | 87 | 86,6 | 0,73 | 0,82 | 0,87 | 1,80 | 5,70 | 1,90 | 3,50 | | |
| | | | 460 | 183,6 | 3478 | 85,5 | 86,5 | 86 | 0,72 | 0,81 | 0,84 | | | | | | |
| | | | | | | | | | | | | | | | | 45000 | 10 |

Service factor: 60Hz=1.15 - Direction of rotation (view from shaft projection side: anti-clockwise
Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

| TYPE | Power | | Cables | | Cable lenght | Max water temperature by winding type | |
|---|---|---|---|---|---|---|---|
| | | | Starting | | | | |
| | HP | kW | Direct | Star Delta | m | PPC | PE2-PA / LPE |
| | | | 460 V ± 5% | 460 / 800 V | | | |
| **8R40** | 40 | 30 | 3 × 1 × 10 mm² | 6 × 1 × 10 mm² | | | |
| **8R50** | 50 | 37 | 3 × 1 × 10 mm² | 6 × 1 × 10 mm² | | | |
| **8R60** | 60 | 45 | 3 × 1 × 16 mm² | 6 × 1 × 10 mm² | | | |
| **8R75** | 75 | 55 | 3 × 1 × 16 mm² | 6 × 1 × 10 mm² | | | |
| **8R90** | 90 | 66 | 3 × 1 × 25 mm² | 6 × 1 × 16 mm² | 5 | 30 °C | 50 °C |
| **8R100** | 100 | 75 | 3 × 1 × 25 mm² | 6 × 1 × 16 mm² | | | |
| **8R125** | 125 | 92 | 3 × 1 × 25 mm² | 6 × 1 × 16 mm² | | | |
| **8R150** | 150 | 110 | 3 × 1 × 35 mm² | 6 × 1 × 25 mm² | | | |



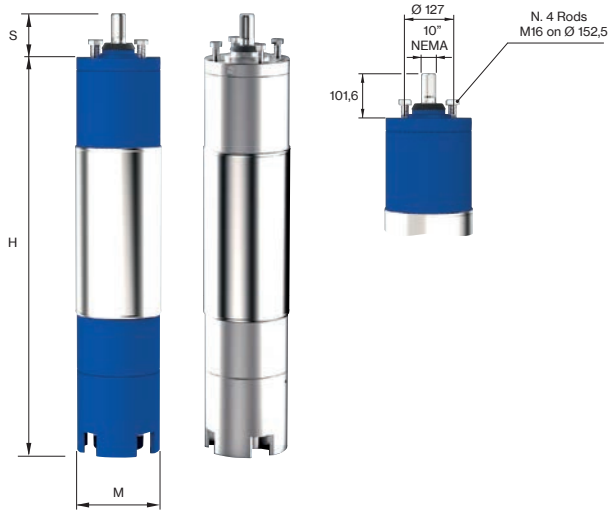

| TYPE | DIMENSIONS | | | Kg |
|---|---|---|---|---|
| | H | S | M | |
| | mm | | | |
| **8R40** | 993 | 101,6 | 194 | 150 |
| **8R50** | 1043 | | | 160 |
| **8R60** | 1123 | | | 178 |
| **8R75** | 1233 | | | 200 |
| **8R90** | 1302 | | | 214 |
| **8R100** | 1383 | | | 230 |
| **8R125** | 1583 | | | 270 |
| **8R150** | 1733 | | | 300 |

# 10R-10RS-10RX-10RD

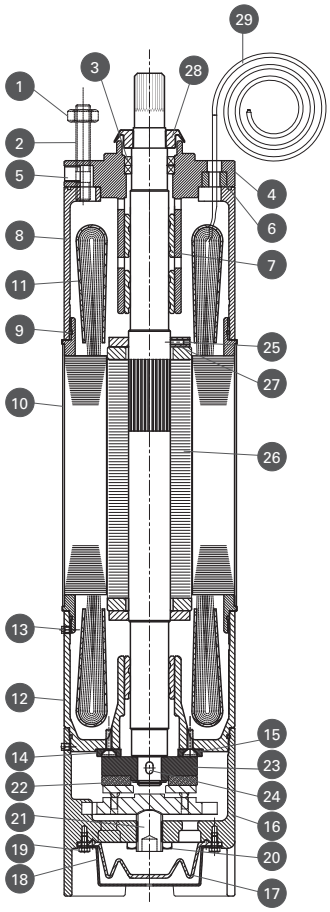
| TYPE | Power | | V | $I_N$ | rpm | Efficency % | | | Cos Φ | | | Starting | | | | Axial load | Start/ hour (max) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Direct | | Star-delta | Statoric | | |
| | HP | kW | | A | | 50% | 75% | 100% | 50% | 75% | 100% | Cs/Cn | Is / In | Is / In | Is / In | N | |
| | | | 230 | 247 | 3460 | 86,9 | 87 | 88 | 0,73 | 0,80 | 0,84 | | | | | | |
| **10R100** | 100 | 75 | 400 | 142,7 | 3465 | 85,9 | 88 | 88,3 | 0,72 | 0,84 | 0,86 | 1,80 | 6,40 | 1,90 | 3,40 | | |
| | | | 460 | 124 | 3470 | 86,4 | 88,3 | 88,5 | 0,64 | 0,77 | 0,82 | | | | | | |
| | | | 230 | 303 | 3462 | 87,2 | 87,3 | 88,3 | 0,74 | 0,83 | 0,84 | | | | | | |
| **10R125** | 125 | 92 | 400 | 174,5 | 3469 | 86,2 | 88,3 | 88,6 | 0,71 | 0,83 | 0,86 | 1,80 | 6,40 | 1,90 | 3,40 | | |
| | | | 460 | 152 | 3474 | 86,7 | 88,6 | 88,8 | 0,63 | 0,75 | 0,82 | | | | | | |
| | | | 230 | 358 | 3465 | 87,9 | 88 | 89 | 0,71 | 0,81 | 0,85 | | | | | | |
| **10R150** | 150 | 110 | 400 | 207 | 3470 | 86,9 | 89 | 89,3 | 0,73 | 0,84 | 0,86 | 1,60 | 6,30 | 1,80 | 3,40 | | |
| | | | 460 | 180 | 3475 | 87,4 | 89,3 | 89,5 | 0,63 | 0,77 | 0,81 | | | | | | |
| | | | 230 | 423 | 3469 | 87,5 | 88,2 | 89 | 0,73 | 0,81 | 0,83 | | | | | | |
| **10R175** | 175 | 130 | 400 | 245,3 | 3475 | 86,5 | 89,3 | 89,4 | 0,71 | 0,83 | 0,85 | 1,55 | 6,70 | 1,80 | 3,30 | 60000 | 10 |
| | | | 460 | 213 | 3482 | 87,1 | 89,5 | 89,6 | 0,62 | 0,75 | 0,82 | | | | | | |
| | | | 230 | 480 | 3475 | 87,1 | 88,2 | 89 | 0,72 | 0,82 | 0,84 | | | | | | |
| **10R200** | 200 | 150 | 400 | 277,2 | 3483 | 86,1 | 88,5 | 89,1 | 0,71 | 0,81 | 0,86 | 1,55 | 6,50 | 1,80 | 3,30 | | |
| | | | 460 | 241 | 3488 | 86,5 | 88,1 | 88,7 | 0,65 | 0,75 | 0,83 | | | | | | |
| | | | 230 | 542 | 3478 | 86,5 | 87,5 | 88,6 | 0,72 | 0,82 | 0,84 | | | | | | |
| **10R225** | 225 | 165 | 400 | 313,3 | 3488 | 85,4 | 87,2 | 88,5 | 0,71 | 0,81 | 0,86 | 1,55 | 6,50 | 1,80 | 3,30 | | |
| | | | 460 | 273 | 3492 | 86,0 | 87,3 | 88,2 | 0,65 | 0,75 | 0,83 | | | | | | |
| | | | 230 | 590 | 3480 | 87,4 | 88 | 89 | 0,73 | 0,83 | 0,85 | | | | | | |
| **10R250** | 250 | 185 | 400 | 342,2 | 3490 | 86,5 | 88,7 | 89,3 | 0,72 | 0,82 | 0,87 | 1,50 | 6,50 | 1,80 | 3,30 | | |
| | | | 460 | 298 | 3496 | 87,3 | 89,3 | 89,5 | 0,65 | 0,77 | 0,84 | | | | | | |

Service factor: 60Hz=1.15 - Direction of rotation (view from shaft projection side: anti-clockwise
Cs = Starting torque - Cn = Nominal couple - Is = Starting current - In = Nominal current

| TYPE | Power | | Cables | | Cable lenght | Max water temperature by winding type | |
|---|---|---|---|---|---|---|---|
| | | | Starting | | | | |
| | HP | kW | Direct | Star Delta | m | PPC | PE2-PA / LPE |
| | | | 460 V ± 5% | 460 / 800 V | | | |
| **10R100** | 100 | 75 | 3 × 1 × 25 mm² | 6 × 1 × 16 mm² | | | |
| **10R125** | 125 | 92 | 3 × 1 × 25 mm² | 6 × 1 × 16 mm² | | | |
| **10R150** | 150 | 110 | 3 × 1 × 35 mm² | 6 × 1 × 16 mm² | | | |
| **10R175** | 175 | 130 | 3 × 1 × 35 mm² | 6 × 1 × 25 mm² | 5 | 30 °C | 50 °C |
| **10R200** | 200 | 150 | 3 × 1 × 50 mm² | 6 × 1 × 25 mm² | | | |
| **10R225** | 225 | 165 | 3 × 1 × 50 mm² | 6 × 1 × 35 mm² | | | |
| **10R250** | 250 | 185 | 3 × 1 × 50 mm² | 6 × 1 × 35 mm² | | | |




| TYPE | DIMENSIONS | | | Kg |
|---|---|---|---|---|
| | H | S | M | |
| | mm | | | |
| **10R100** | 1284 | | | 270 |
| **10R125** | 1354 | | | 310 |
| **10R150** | 1504 | | | 350 |
| **10R175** | 1634 | 101,6 | 240 | 385 |
| **10R200** | 1734 | | | 415 |
| **10R225** | 1854 | | | 444 |
| **10R250** | 1984 | | | 480 |

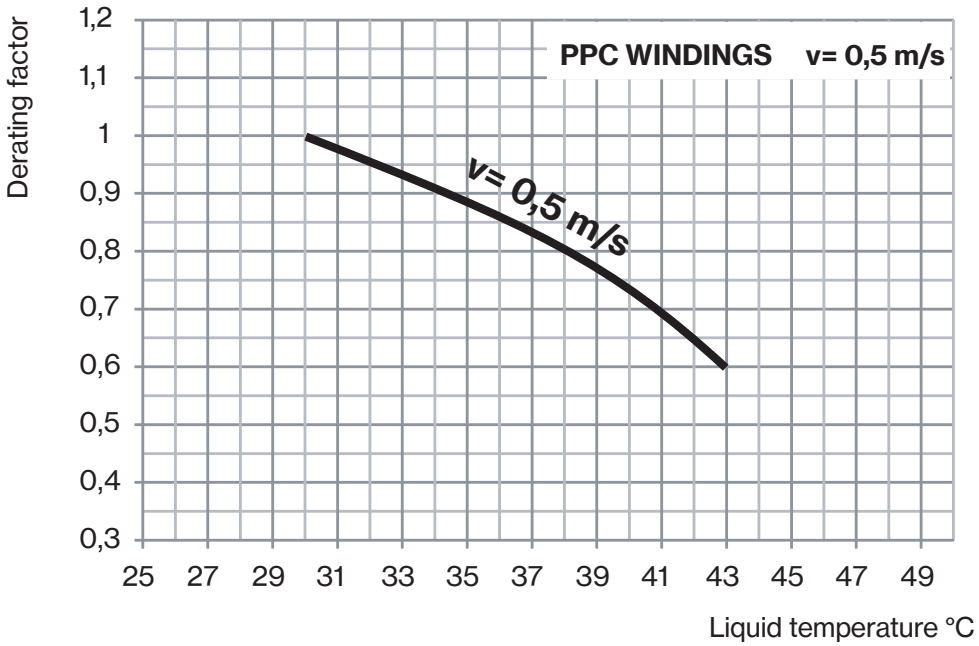



| N. CODE | (*) N° | DESCRIPTION | MATERIAL STANDARD VERSION R | MATERIAL VERSION RS-RX-RD |
|---|---|---|---|---|
| 1 | | **N.4 Nuts** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 2 | | **N.4 Studs** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 3(*) | 1 | **N.2 Seal rings** | NBR | NBR |
| 4 | | **Upper support** | CAST IRON | AISI 304 / AISI 316 / DUPLEX |
| 5 | | **N.2 Grains for Liquid filling** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 6 | | **Grommet** | NBR | NBR |
| 7(*) | 3 | **N.3 Bearings** | GRAPHITE | GRAPHITE |
| 8 | | **Motor casing** | CAST IRON | AISI 304 / AISI 316 / DUPLEX |
| 9(*) | 4 | **N.4 O-ring** | NBR | NBR |
| 10 | | **Motor external sleeve** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 11 | | **N.2 Covers winding protection** | POM | POM |
| 12 | | **Lower support** | CAST IRON | AISI 304 / AISI 316 / DUPLEX |
| 13 | | **N.3 Screw** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 14(*) | 2 | **N.2 Disks controsuspention** | TEFLON | TEFLON |
| 15 | | **N.2 Screws for controsuspention** | AISI 304 | AISI 304 |
| 16 | | **Base motor** | CAST IRON | AISI 304 / AISI 316 / DUPLEX |
| 17(*) | 1 | **Diaphram** | NBR | NBR |
| 18 | | **Cover diaphram** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 19 | | **N.4 Screw for cover diaphram** | AISI 304 | AISI 304 / AISI 316 / DUPLEX |
| 20 | | **Nut** | AISI 304 | AISI 304 |
| 21 | | **Screw** | AISI 304 | AISI 304 |
| 22 | | **Seeger** | AISI 304 | AISI 304 |
| 23(*) | 1 | **Trust bearing** | AISI + GRAPHITE | AISI + GRAPHITE |
| 24 | | **Key** | AISI 304 | AISI 304 |
| 25 | | **N.2 Grains for stabilizer** | AISI 304 | AISI 304 |
| 26 | | **Complete rotor** | AISI | AISI |
| 27 | | **N.2 Stabilizers** | AISI | AISI |
| 28(*) | 1 | **Deflector** | NBR | NBR |
| 29 | | **Cable** | H07 RNF | H07 RNF |

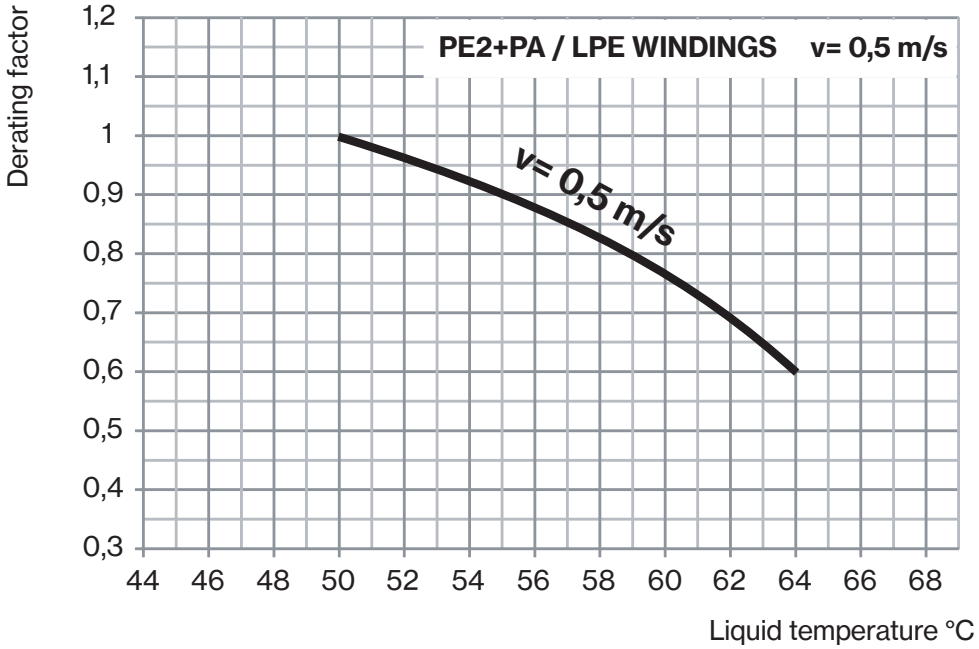
**Reccomended spare parts*

## OPERATING CONDITIONS AT DIFFERENT WATER TEMPERATURE

All 6” - 8” - 10” standard motors with PPC windings can operate at liquid temperatures up to 30 °C without derating factor. From 31 °C till 43 °C the motors have to be derated according to the factor shown in the following graph.




All 6” - 8” - 10” motors with PE2+PA / LPE windings can operate at liquid temperatures up to 50 °C without derating factor. From 51 °C till 64 °C the motors have to be derated according to the factor shown in the following graph.




| Moter size | Max motor starts per hour | Winding max temperature (°C) | | | Liquid max temperature (°C) | | |
|---|---|---|---|---|---|---|---|
| | | PPC | LPE | PE2+PA | PPC | LPE | PE2+PA |
| **6”** | 15 | 70 | 80 | 80 | 30 | 50 | 50 |
| **8”** | 10 | 70 | 80 | 80 | 30 | 50 | 50 |
| **10”** | 10 | 70 | 80 | 80 | 30 | 50 | 50 |

*PPC = Y insulation class*
*LPE = F insulation class*
*PE2+PA = / F insulation class*
*Minimum liquid velocity for motor 6” - 8” - 10”: 0,5 m/s*