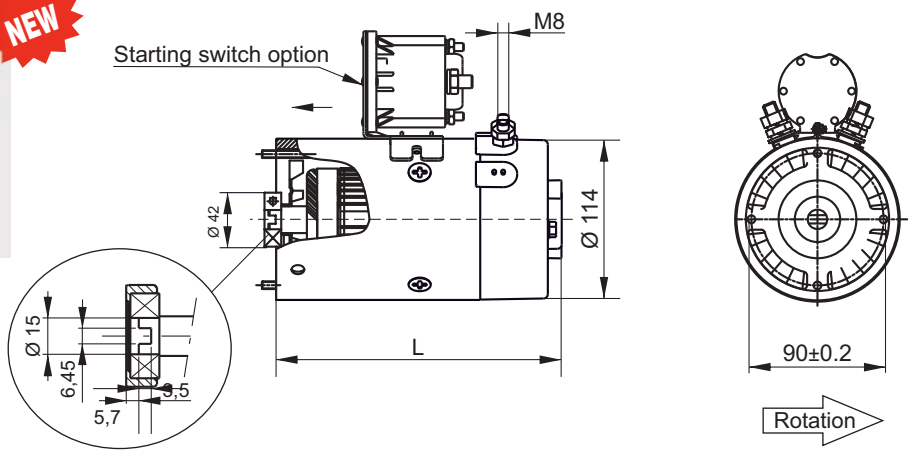
## INTEGRAL DC MOTORS Ø114 WITH INTEGRATED COOLING FAN



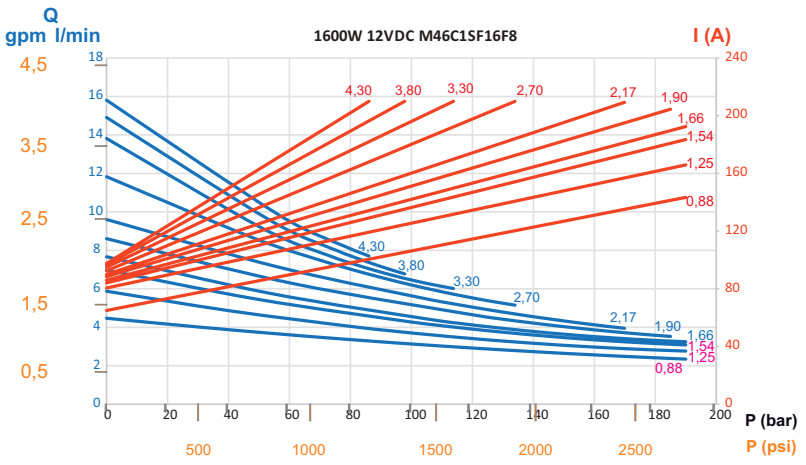

Compound wound
Protection degree: IP20
Insulation class: F
Weight: 8,0 kg (without starting switch)
UL motors available on request

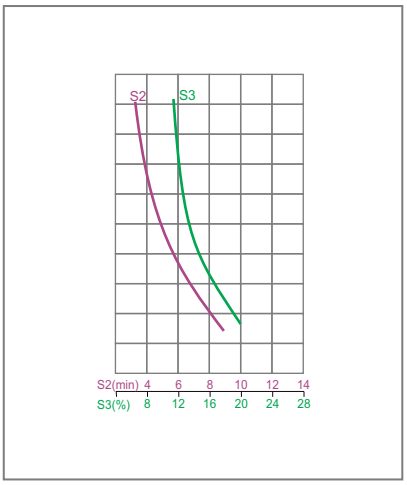
### Code for PPC/SPU/EPB

| Description | Assembly code | Spare part code | Nominal duty cycle | Nominal speed | Nominal current | L | D |
|---|---|---|---|---|---|---|---|
| 1600W 12V DC fan cooled | **1,6 12DC_FC** | **M46C1SF16F8** | S2: 4 min<br>S3: 10% ED | 2800 rpm | 210 A | 188 mm | 42 mm |
| 2100W 12V DC fan cooled | **2,1 12DC_FC** | **M46C1SF21F8** | S2: 3,5 min<br>S3: 10% ED | 2400 rpm | 300 A | 204 mm | 42 mm |
| 2200W 24V DC fan cooled | **2,2 24DC_FC** | **M46C2SF22F8** | S2: 3,5 min<br>S3: 10% ED | 2400 rpm | 130 A | 188 mm | 42 mm |
| 2200W 48V DC fan cooled | **2,2 48DC_FC** | **M46C4SF22F8** | S2: 3,5 min<br>S3: 15% ED | 3000 rpm | 65 A | 188 mm | 42 mm |

### Code for PPM

| Description | Assembly code | Spare part code | Nominal duty cycle | Nomina l speed | Nominal current | L | D |
|---|---|---|---|---|---|---|---|
| 1600W 12V DC fan cooled | **1,6 12DC_FCM** | **M46C1SF16MF8** | S2: 4 min<br>S3: 10% ED | 2800 rpm | 210 A | 188 mm | 28 mm |
| 2100W 12V DC fan cooled | **2,1 12DC_FCM** | **M46C1SF21MF8** | S2: 3,5 min<br>S3: 10% ED | 2400 rpm | 300 A | 204 mm | 28 mm |
| 2200W 24V DC fan cooled | **2,2 24DC_FCM** | **M46C2SF22MF8** | S2: 3,5 min<br>S3: 10% ED | 2400 rpm | 130 A | 188 mm | 28 mm |
| 2200W 48V DC fan cooled | **2,2 48DC_FCM** | **M46C4SF22MF8** | S2: 3,5 min<br>S3: 15% ED | 3000 rpm | 65 A | 188 mm | 28 mm |

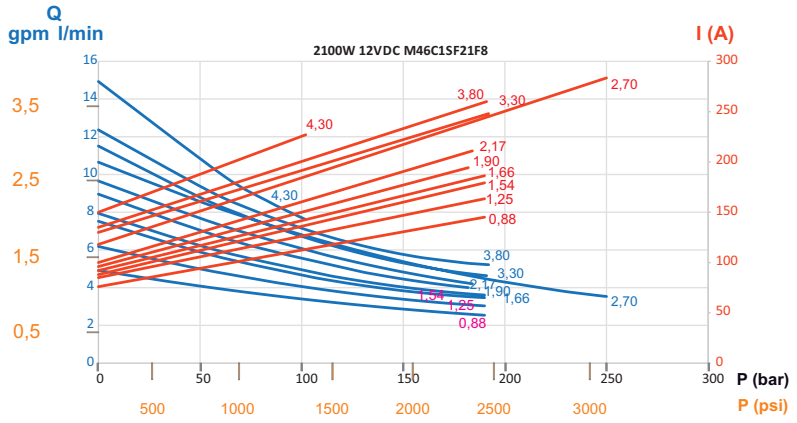


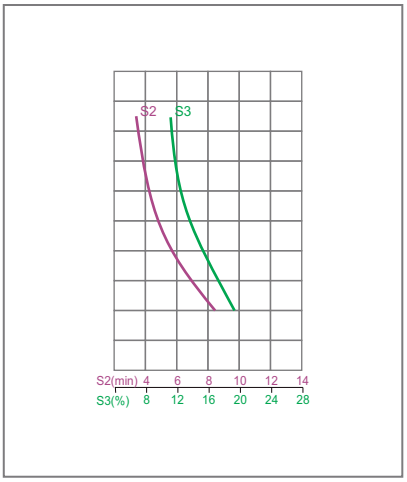



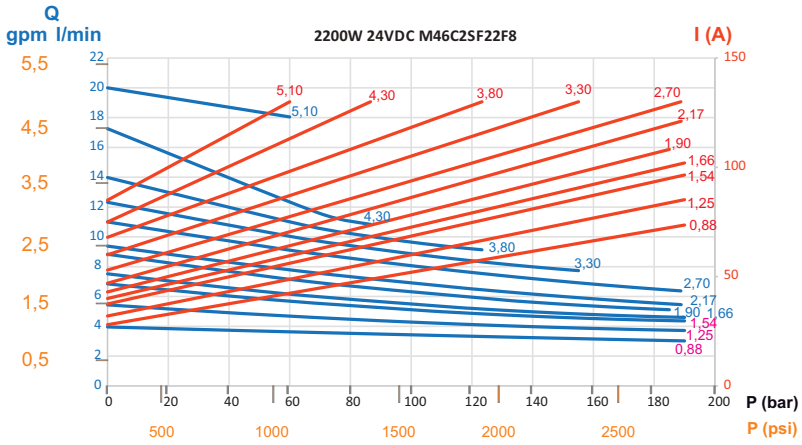

Tests made with rectified current supplied at nominal motor voltage (measured at the motor connection terminals) and oil ISO VG46 at 40°C

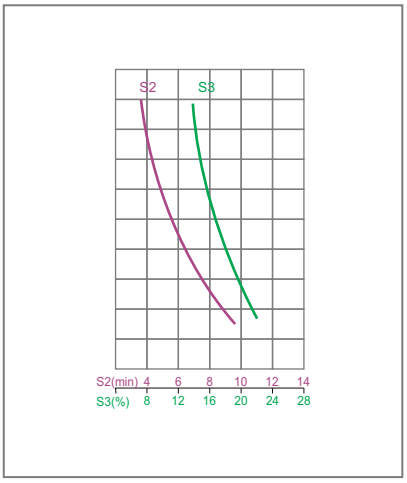
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## DC MOTORS Ø114 WITH COOLING FAN DIAGRAMS




Tests made with rectified current supplied at nominal motor voltage (measured at the motor connection terminals) and oil ISO VG46 at 40°C