

Suitable motors

For the FLUX pumps of the series 300, 400 and VISCOPEOWER



| Pump series/-type | 300 | | 400 and VISCOPEOWER | | | | | | | | | | |
|------------------------------|---|-------------------------------------|----------------------|-------------------------------------|---------------------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|
| Suitable motors Type | Battery (brushless) | Commutator | | | | | Brushless | Three-phase | Compressed air | | Three-phase | | |
| Motor type | FBM-B 3100 | FEM 3070 | FEM 4070 | F 457 | F 458 | F 460 Ex | FBM 4000 Ex | F 414 | F 416 Ex | FPM | DSM | Spur gear | F 403 |
| Image | | | | | | | | | | | | | |
| Protection class | IP 44 | IP 24 | IP 24 | IP 24 | IP 55 | IP 55 | IP 55 | IP 55 | | IP 55 | IP 55 | IP 54 | IP 55 |
| Ex-marking | - | - | - | - | - | II 2 G Ex d e IIC T6 | II 2 G Ex d e IIC T5 Gb | - | II G cp IIC T6 | II 2 G c T5 | II 2 G Ex e II T3/T4 | - | II 2 G Ex e II T3/T4 |
| Certificates | | | | | | | | | | | | | |
| Venting | External | Internal | Internal | Internal | External | External | External | External | Compressed air | Compressed air | External | External | External |
| Voltage (volts) Frequency | 110 - 120/ 220 - 240 V 50 - 60 Hz | 100/110/120/230/240 V 50 - 60 Hz | | 110/120/ 230/240 V 50 - 60 Hz | 12/24/110/120/230/240 V 50 - 60 Hz | | 230 V 50 - 60 Hz | 230/400 V 50 Hz | 6 bar air pressure | | 230/400 V 50 Hz | 380 - 500 V 100 Hz | 230/400 V 50 Hz |
| Power (watts) | 100 | 230 | 500 | 800 | 460/700 | 460/700 | 600 | 550/750/1100 | 470 | 600 - 2000 | 800 - 1100 | 55 - 550 | 550 |
| Speed setting | Variable | 2 steps | Stepless | Optional | Optional | Optional | Stepless | - | Optional | Via air volume | - | Stepless | - |
| Weight (kg) | 1.2 | 1.5 | 2.6 | 4 | 5.1/5.9 | 5.1/5.9 | 6.2 | 8.8 - 12.8 | 0.9 - 1.4 | 5 - 10 | 12.5 - 23 | 11.9 | 8 |
| Low voltage protection | - | - | Optional | Optional | Optional | Optional | Yes | - | - | - | - | - | - |
| Advantages/ characteristics | <ul style="list-style-type: none"> ► Brushless battery motor ► No mains connection required ► Can be utilised immediately at will ► Long battery runtime up to 120 min ► Maintenance-free ► Battery charged within 30 min ► Li-ion battery ► Awarded with the iF Product Design Award ► Commutator motor ► With mains connection ► Also for filling small quantities ► Low overall weight ► Connection between motor and pump via quick-action coupling ► Commutator motor ► Low noise level ► With infinitely variable rpm adjustment ► Compact construction ► Low weight ► Awarded with iF Product Design Award ► Commutator motor ► Most powerful drum pump motor ► Low noise level ► F 457 EL: with infinitely variable rpm adjustment ► F 458: 460 watts ► F 458-1: 700 watts ► F 458 EL: with infinitely variable rpm adjustment ► Commutator motor ► Extremely tough housing in aluminium ► With acid-proof finish ► F 460 Ex: 460 watts ► F 460-1 Ex: 700 watts ► F 460 Ex EL: 460 watts ► F 460: 460 watts ► F 460-1: 700 watts ► F 460 Ex EL: 460 watts ► Brushless motor ► Extremely low wearing ► Extremely tough housing in aluminium ► Motor is completely encapsulated ► F 460: 460 watts ► F 460-1: 700 watts ► F 460 Ex EL: 460 watts ► Three-phase gear motor ► Increased maintenance-free ► Motor is completely encapsulated ► Low life-cycle costs ► With infinitely variable rpm adjustment ► Especially low noise ► F 460: 460 watts ► F 460-1: 700 watts ► F 460 Ex EL: 460 watts ► Three-phase gear motor ► Extremely light and easy to handle ► Available with motor protection switch or terminal box ► Extremely powerful ► F 416: with adjustable tip valve ► F 416-1: without valve ► F 416-2: with ball valve ► Compressed air motor ► Extremely powerful ► Low-maintenance ► Available with 700 rpm or 930 rpm ► FPM 4: 0.6 kW at 6 bars for media up to 25 000 mPas ► FPM 6: 1.2 kW at 6 bars for media up to 50 000 mPas ► FPM 8: 2 kW at 6 bars also for paste-like media ► Three-phase motor ► Constant rpm ► Extremely low noise ► Available with 700 rpm or 930 rpm ► Spur gear drive motor ► With frequency control ► Adjustable speed 47-472 rpm ► With speed 2 850 rpm for media with viscosity of up to 30 000 mPas ► With speed 1 450 rpm for media with viscosity of up to 80 000 mPas | | | | | | | | | | | | |
| Details | More | More | More | More | More | More | More | More | More | More | More | More | More |



constructed according to ATEX Directive 2014/34/EU, Category 2