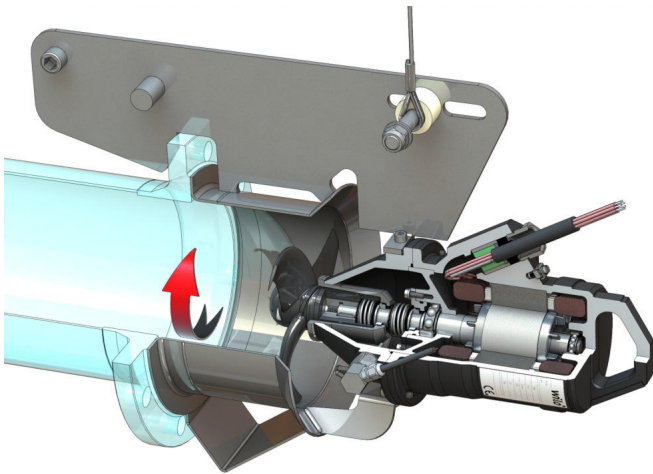


Pioneering for You

wilo

## Recirculation Pump

### EMU RZP 20.145-4/6 K3



#### Materials

|                        |                           |
|------------------------|---------------------------|
| Motor housing          | 5.1301, EN-GJL-250        |
| Static gaskets         | FKM                       |
| Motor shaft            | 1.4021, X20Cr13           |
| Seal on motor side     | SiC/SiC, Q1Q1VGG          |
| Sealing chamber        | 5.1301, EN-GJL-250        |
| Seal on the fluid side | SiC/SiC, Q1Q1VGG          |
| Propeller hub          | 1.4571, X6CrNiMoTi17-12-2 |
| Propeller              | PUR Polyurethane          |
| Flow housing           | 1.4571, X6CrNiMoTi17-12-2 |

#### Unit

|                           |          |
|---------------------------|----------|
| Max. weight* <i>m</i>     | 35 kg    |
| Explosion protection ATEX | optional |
| Explosion protection FM   | optional |
| Protection class motor    | IP68     |

#### Propeller

|                            |  |
|----------------------------|--|
| Propeller model            | 3-blade propeller with self-cleaning hub; backward-curved as a result clogging- and entwining-free |
| Nominal propeller diameter | 200 mm   |
| Propeller speed <i>n</i>   | 1336 1/min   |
| Transmission ratio         | 1.000  |

#### Filling quantities and types

|                                      |           |
|--------------------------------------|-----------|
| Filling sealing chamber              | White oil |
| Fill volume sealing chamber <i>V</i> | 0.35 l    |

#### Motor/electronics

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Motor type                          | T 12-4/6G (Ex)                     |
| Motor design                        | Submersible motor acc. IEC 60034-1 |
| Mains connection                    | 3~400 V, 50 Hz                     |
| Rated current $I_N$                 | 1.42 A                             |
| Starting current - direct $I_A$     | 6.00 A                             |
| Starting current - star-delta $I_A$ | 2.00 A                             |
| Power consumption $P_{1 max}$       | 0.73 kW                            |
| Rated power $P_2$                   | 0.50 kW                            |
| Speed original <i>n</i>             | 1336 1/min                         |
| Motor efficiency class              | -                                  |
| Efficiency $\eta_M$                 | 69.0 %                             |
| Power factor $\cos \varphi$         | 0.74                               |
| Min. fluid temperature <i>T</i>     | 3 °C                               |
| Max. fluid temperature <i>T</i>     | 40 °C                              |
| Max. immersion depth                | 20 m                               |
| Insulation class                    | H                                  |
| Max. switching frequency <i>t</i>   | 15 1/h                             |
| min. switching break <i>t</i>       | 3 min                              |
| Starting torque <i>M</i>            | 3.5 Nm                             |
| Moment of inertia                   | 0.01140 kg/m <sup>2</sup>          |
| Motor bearings                      | 2 grooved ball bearing             |

\*maximum weight including accessories