

Pump type: Submersible Duplex pump

Application: Waste water, Seawater

### Pump data

|                             |                    |
|-----------------------------|--------------------|
| Solids passage              | 50 mm              |
| Discharge/ Suction diameter | 50 mm/ 50 mm       |
| Impeller type:              | Vortex             |
| Impeller diameter           | 125 - 95 mm        |
| Recommended min. flow       | 1.5 l/sec (5 m3/h) |
| Weight                      | 45 kg              |

### Motor

|                        |                  |
|------------------------|------------------|
| Mains:                 | 50 c/s – 3 phase |
| Rated shaft power      | 2.2 kW           |
| Rated electrical power | 2.8 kW           |
| Nominal speed          | 2830 rpm         |
| Motor efficiency       | 79 %             |
| Power factor (cos phi) | 0.89             |
| Degree of protection   | IP 68            |
| Isolation class        | F (155°C)        |
| Max. water temperature | 40°C             |
| Standard cable length  | 10 m             |

### Materials

|                  |                                           |
|------------------|-------------------------------------------|
| Pump casing      | AISI 329                                  |
| Impeller         | AISI 329                                  |
| Motor unit       | AISI 329                                  |
| Shaft            | AISI 316                                  |
| Bolts            | AISI 316                                  |
| Elastomers       | Viton (FPM)                               |
| Electrical cable | Neoprene (CR)                             |
| Seal lubrication | Oil                                       |
| Seal pump side   | Silicon carbide – Silicon carbide - Viton |
| Seal motor side  | Carbon – Ceramic                          |

### Installation options

Guide bar coupling OWK 050



Freestanding including support (VRS) 50 mm or 75 mm hose connection or G 2" threaded connection



### Optional

- Flameproof version, to class: II 2 G Ex d IIB c T4  
Standard: II 2 G Ex b c d IIB T4 Gb  
With Frequency control: II 2 G Ex b c d IIB T3 Gb
- Thermo switches in stator windings (standard for flame proof version)
- Cable protective sheathing (AISI 316)
- Water detector in motor and oil chamber  
Flameproof version with external cable

### Connections

|                                                  |         | Electrical cable size [mm2] |  |                                        |                             |
|--------------------------------------------------|---------|-----------------------------|--|----------------------------------------|-----------------------------|
| voltage                                          | current |                             |  | motor protection and/or water detector | flameproof version          |
| [V]*                                             | [A]     | direct start                |  | direct start                           | direct start                |
| 230                                              | 7.9     | 4G1.5                       |  | 7G1.5                                  | 7G1.5                       |
| 400                                              | 4.5     | 4G1.5                       |  | 7G1.5                                  | 7G1.5                       |
| 500                                              | 3.6     | 4G1.5                       |  | 7G1.5                                  | 7G1.5                       |
| starting current DOL start : 5.3 x rated current |         |                             |  |                                        |                             |
|                                                  |         |                             |  |                                        | * other voltages on request |

