

The water-cooled motor ensures a long service life during continuous or intermittent operation, which is highly efficient and energy-saving. The dry motor with thermal auto-cut can prevent the motor from overheating. Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure. The cast iron upper cover and strenghtened AISI304SS pump casing can provide better anti-hitting performance. The impeller is designed by 3D technology and made of chrome steel, which can improve the efficiency and extend the product lifetime. The EKC pump strainer can be easily removed for maintenance.



Chrome steel

Specification

- Capacity: up to 404 GPM
- Head: up to 105 FT
- Power: 1.5kW (2HP) to 5.5 kW (7.5HP)
- Power Supply: three phase 400V ±10%, 50Hz
- 460V ±10%, 60Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 26 ft
- Water temperature: up to 104 °F

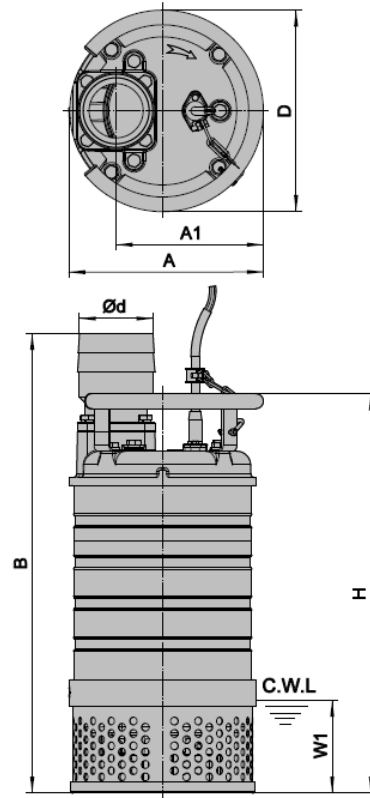
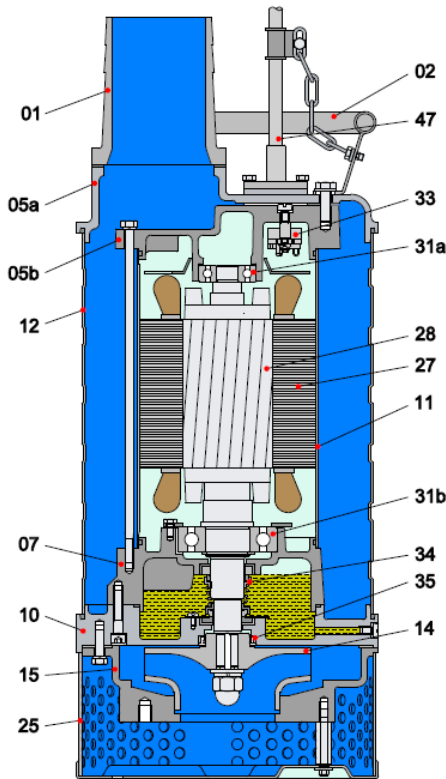
- Max water depth: 82 ft

Application

- Civil engineering
- Mines, quarries, coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Special features on request

- Other voltages
- Cable length is adjustable



C.W.L: continuous running water level

Materials of components

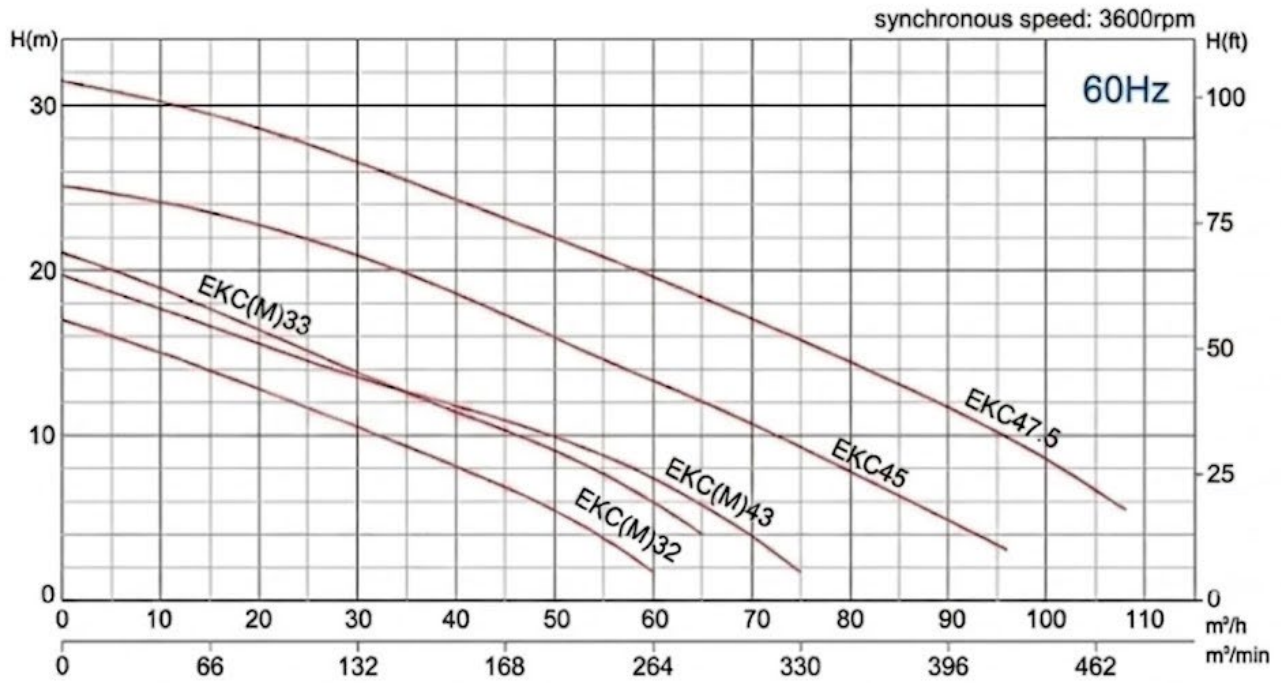
| Item No. | Part name | Material | Item No. | Part name | Material |
|----------|---------------|-----------------|----------|-----------------|--|
| 01 | Hose coupling | Cast iron | 25 | Strainer | AISI201SS |
| 02 | Handle | steel | 27 | Stator | |
| 05a | Upper cover | Cast iron | 28 | Rotor | Shaft:420SS |
| 05b | Upper cover | Cast iron | 31a | Bearing | Ball bearing |
| 07 | Bearing house | Cast iron | 31b | Bearing | Ball bearing |
| 10 | Seal house | Cast iron | 33 | Motor protector | |
| 11 | Motor casing | Stainless steel | 34 | Mechanical seal | Sic-Sic/Carbon-Sic(<2.2kW) Sic-Sic/Sic-Sic(3.7-5.5kW) |
| 12 | Outer casing | Stainless steel | 35 | Oil seal | |
| 14 | Impeller | Chrome steel | 47 | Cable | H07RN-F |
| 15 | Diffuser | Cast iron | | | |

Dimensions & weights

| Model (50/60Hz) | d | A | A1 | B | D | H | W1 | N.W | G.W | Packing dimension |
|-----------------|-----|-----|-----|-----|-----|-----|-----|------|------|-------------------|
| EKCM32 | 80 | 251 | 191 | 633 | 262 | 565 | 110 | 40.5 | 44.5 | 675×290×315 |
| EKCM33 | 80 | 251 | 191 | 658 | 262 | 590 | 110 | 43 | 47 | 700×290×315 |
| EKCM43 | 100 | 251 | 191 | 668 | 262 | 590 | 110 | 43 | 47 | 720×290×315 |
| EKC32 | 80 | 251 | 191 | 583 | 262 | 515 | 110 | 38.5 | 42.5 | 625×290×315 |
| EKC33 | 80 | 251 | 191 | 583 | 262 | 515 | 110 | 41 | 45 | 625×290×315 |
| EKC43 | 100 | 251 | 191 | 593 | 262 | 515 | 110 | 41 | 45 | 645×290×315 |
| EKC45 | 100 | 288 | 213 | 663 | 302 | 579 | 135 | 60 | 66 | 730×320×345 |
| EKC47.5 | 100 | 288 | 213 | 703 | 302 | 619 | 135 | 67 | 73 | 770×320×355 |

•EKC: three phase; EKCM: single phase

EKC SUBMERSIBLE DRAINAGE PUMP



| Model | Outlet | | Motor Power | | Rated current (460) | Rate capacity | | Rated head | Rated head | max capacity | | max head | Impeller passage |
|---------|--------|------|-------------|-----|---------------------|-------------------|-------|------------|------------|-------------------|-------|----------|------------------|
| | mm | inch | kW | HP | | m ³ /h | GPM | | | m ³ /h | GPM | | |
| EKCM32 | 80 | 3 | 1.5 | 2 | 10.0 | 30 | 132 | 10 | 32.8 | 57 | 250.8 | 15 | 10 |
| EKCM33 | 80 | 3 | 2.2 | 3 | 14.0 | 30 | 132 | 13 | 42.6 | 65 | 286 | 20 | 10 |
| EKCM43 | 100 | 4 | 2.2 | 3 | 3.5 | 48 | 211.2 | 10.5 | 34.4 | 75 | 330 | 19 | 10 |
| EKC32 | 80 | 3 | 1.5 | 2 | 5.0 | 30 | 132 | 10 | 32.8 | 57 | 250.8 | 15 | 10 |
| EKC33 | 80 | 3 | 2.2 | 3 | 5.0 | 30 | 132 | 13 | 42.6 | 65 | 286 | 20 | 10 |
| EKC43 | 100 | 4 | 2.2 | 3 | 7.7 | 48 | 211.2 | 10.5 | 34.4 | 75 | 330 | 19 | 10 |
| EKC45 | 100 | 4 | 3.7 | 5 | 11.4 | 60 | 264 | 13.5 | 44.3 | 96 | 422.4 | 24 | 10 |
| EKC47.5 | 100 | 4 | 5.5 | 7.5 | 36.4 | 60 | 264 | 20 | 65.6 | 108 | 475.2 | 30 | 10 |

