

12E SERIES - 1/2 HP

APPLICATIONS

For use in dewatering, water transfer, and septic wastewater removal

FEATURES

- Heavy-duty epoxy coated cast iron housing for high strength and heat dissipation
- Designed for continuous duty
- Upper and lower ball bearings for long life
- Energy-efficient PSC motor with thermal overload protection
- Unique cloverleaf intake design allows higher flow with 3/4" (19 mm) diameter solids handling
- Ideal for high-head performance in vault applications while maintaining high flow and clog resistance using a cast iron non-clog impeller
- 2" FNPT discharge (51 mm)
- Three-year warranty
- Manual or automatic switch options for application flexibility
- 140 °F (60 °C) maximum liquid temperature rating
- cCSAus listed



12E-CIM

12E-CIA-RF

SERIES SPECIFICATIONS

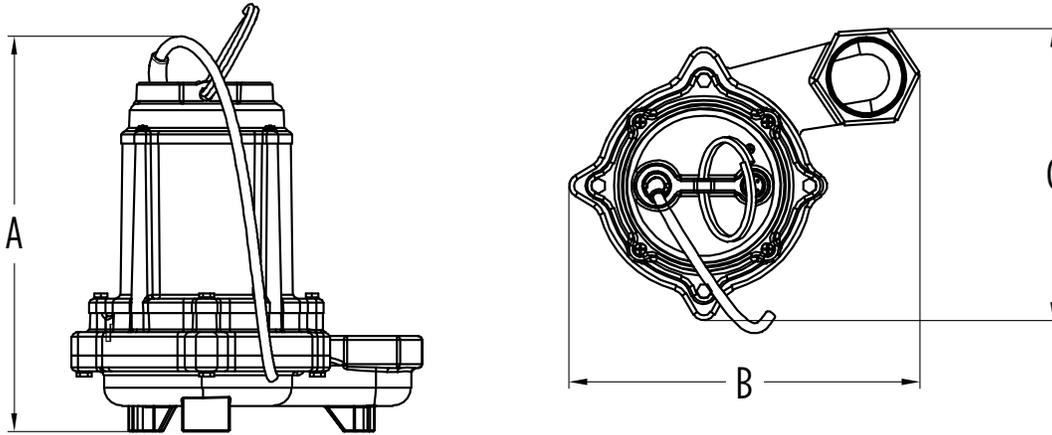
| Model | Volts | Hz | Amps | Watts | Performance (GPM / Liters per Minute @ Height) | | | | | | | Shut-Off | |
|------------|-------|----|------|-------|---------------------------------------------------|---------------|---------------|---------------|---------------|----------------|-------------|-----------|------------|
| | | | | | 5 ft / 1.5 m | 10 ft / 3.0 m | 15 ft / 4.6 m | 20 ft / 6.0 m | 30 ft / 9.1 m | 40 ft / 12.2 m | 50 / 15.2 m | ft / m | PSI / Bar |
| 12E-CIM | 115 | 60 | 10 | 1100 | 50 / 189 | 48 / 182 | 46 / 174 | 43.5 / 165 | 33.9 / 128 | 22.5 / 85 | 7.5 / 28 | 53 / 16.2 | 22.9 / 1.6 |
| 12E-CIA-RF | | | | | | | | | | | | | |

| Item No. | Model | HP | Volts | Switch Type/Operations | On Level | Off Level | Cord | Weight |
|----------|------------|-----|-------|------------------------|--------------------------------|------------------------------|--------------|---------------------|
| 512001 | 12E-CIM | 1/2 | 115 | Manual | - | - | 20' 6.1 m | 36.4 lbs 16.5 kg |
| 512002 | 12E-CIA-RF | 1/2 | 115 | Piggyback Float Switch | 12" - 15" 30.5 cm - 38.1 cm | 6" - 8" 15.2 cm - 20.3 cm | 20' 6.1 m | 37.7 lbs 17.1 kg |

EFFLUENT PUMPS

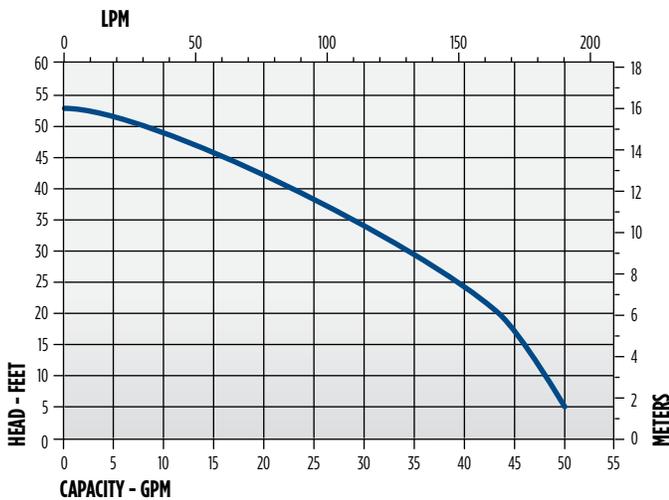
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ENGINEERING DATA



| Model | A | B | C |
|------------|----------|----------|----------|
| 12E-CIM | 8.07" | 7.75" | 4.29" |
| 12E-CIA-RF | 20.50 cm | 19.69 cm | 10.90 cm |

PERFORMANCE DATA



CONSTRUCTION

| | |
|------------------------------|---------------------------------------|
| Cover | Epoxy-coated cast iron |
| Motor Housing | Epoxy-coated cast iron |
| Impeller Material | Cast iron |
| Impeller Type | Non-clog |
| Volute | Epoxy-coated cast iron |
| Mechanical Shaft Seal | Nitrile with carbon and ceramic faces |
| Fasteners | Stainless steel |
| Shaft | Stainless steel |
| Bearings | Upper and lower ball bearing |
| Power Cord | SJTW *SJTOW |
| RPM | 3450 |

* 12E-CIA-RF model piggyback switch cord type