

## 6EC SERIES - 1/3 HP

### APPLICATIONS

Basement sumps, dewatering, water transfer, light effluent

### FEATURES

- Heavy-duty cast iron construction
- Permanent split capacitor (PSC) motor with thermal overload protection
- Designed for continuous duty
- Energy-saving low amp draw
- 1-1/2" FNPT discharge (38 mm)
- Handles up to 1/2" (12.7 mm) solids
- Multiple switch options for automatic operation
- 140 °F (60 °C) liquid temperature rating
- cCSAus listed



### SERIES SPECIFICATIONS

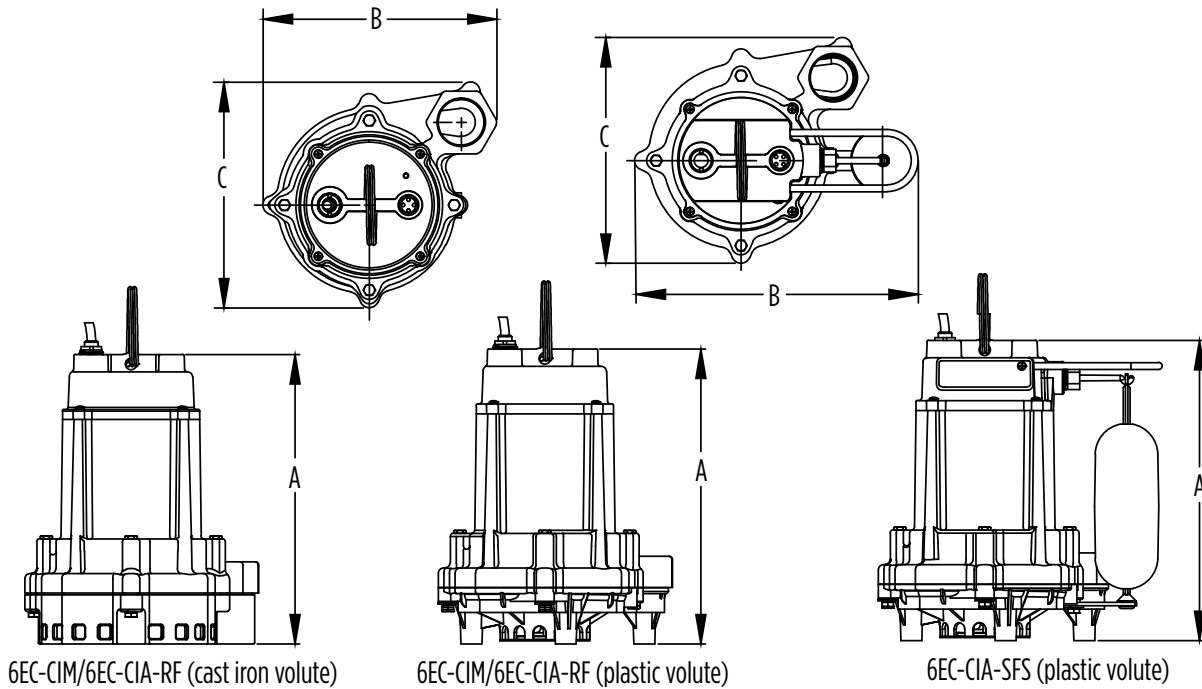
| Volts | Hz | Amps |       | Watts | Gallons per minute (Liters per minute) @ Height |          |          |          | Shut-Off     | PSI  |
|-------|----|------|-------|-------|-------------------------------------------------|----------|----------|----------|--------------|------|
|       |    | FLA  | Start |       | 5'                                              | 10'      | 15'      | 20'      |              |      |
| 115   | 60 | 5    | 14.5  | 600   | 53 (201)                                        | 50 (189) | 42 (159) | 34 (129) | 28' (8.53 m) | 12.1 |

| Item   | Model       | HP  | Volts | Base Material | Switch Type / Operations     | On Level                           | Off Level                         | Cord           | Weight lbs (Kg)       |
|--------|-------------|-----|-------|---------------|------------------------------|------------------------------------|-----------------------------------|----------------|-----------------------|
| 506803 | 6EC-CIA-RF  | 1/3 | 115   | Polypropylene | Piggyback Mechanical Float   | 13" - 15"<br>(33.2 cm - 38.1 cm)   | 6" - 8"<br>(15.2 cm - 20.3 cm)    | 10'<br>(3 m)   | 27.5 lbs<br>(12.5 Kg) |
| 506858 | 6EC-CIA-RF  | 1/3 | 115   | Cast Iron     | Piggyback Mechanical Float   | 13" - 15"<br>(33.2 cm - 38.1 cm)   | 6" - 8"<br>(15.2 cm - 20.3 cm)    | 20'<br>(6.1 m) | 35.5 lbs<br>(16.1 Kg) |
| 506808 | 6EC-CIA-RF  | 1/3 | 115   | Polypropylene | Piggyback Mechanical Float   | 13" - 15"<br>(33.2 cm - 38.1 cm)   | 6" - 8"<br>(15.2 cm - 20.3 cm)    | 30'<br>(9.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506807 | 6EC-CIA-SFS | 1/3 | 115   | Polypropylene | Integral Snap-Action Float   | 8" - 11"<br>(20.3 cm - 27.9 cm)    | 2" - 5"<br>(5.1 cm - 12.7 cm)     | 10'<br>(3 m)   | 28 lbs<br>(12.7 Kg)   |
| 506804 | 6EC-CIA-SFS | 1/3 | 115   | Polypropylene | Integral Snap-Action Float   | 8" - 11"<br>(20.3 cm - 27.9 cm)    | 2" - 5"<br>(5.1 cm - 12.7 cm)     | 20'<br>(6.1 m) | 29 lbs<br>(13.5 Kg)   |
| 506801 | 6EC-CIM     | 1/3 | 115   | Polypropylene | Manual                       | —                                  | —                                 | 10'<br>(3 m)   | 26.5 lbs<br>(12 Kg)   |
| 506802 | 6EC-CIM     | 1/3 | 115   | Polypropylene | Manual                       | —                                  | —                                 | 20'<br>(6.1 m) | 27.5 lbs<br>(12.5 Kg) |
| 506809 | 6EC-CIA-DS  | 1/3 | 115   | Polypropylene | Piggyback Vertical Diaphragm | 8" - 10.9"<br>(20.3 cm - 27.7 cm)  | 2.8" - 5.9"<br>(7.1 cm - 15 cm)   | 10'<br>(3m)    | 27 lbs<br>(12.2 kg)   |
| 506810 | 6EC-CIA-DS  | 1/3 | 115   | Polypropylene | Piggyback Vertical Diaphragm | 8" - 10.9"<br>(20.3 cm - 27.7 cm)  | 2.8" - 5.9"<br>(7.1 cm - 15 cm)   | 18'<br>(5.5m)  | 28 lbs<br>(12.7 kg)   |
| 506811 | 6EC-CBA-SFS | 1/3 | 115   | Polypropylene | Integral Snap-Action Float   | 7.6" - 9.6"<br>(19.3 cm - 24.4 cm) | 3.0" - 5.0"<br>(7.7 cm - 12.7 cm) | 20'<br>(6.1m)  | 27.8 lbs<br>(12.6 kg) |
| 506812 | 6EC-CBM     | 1/3 | 115   | Polypropylene | Manual                       | -                                  | -                                 | 20'<br>(3m)    | 26.9 lbs<br>(12.2 kg) |



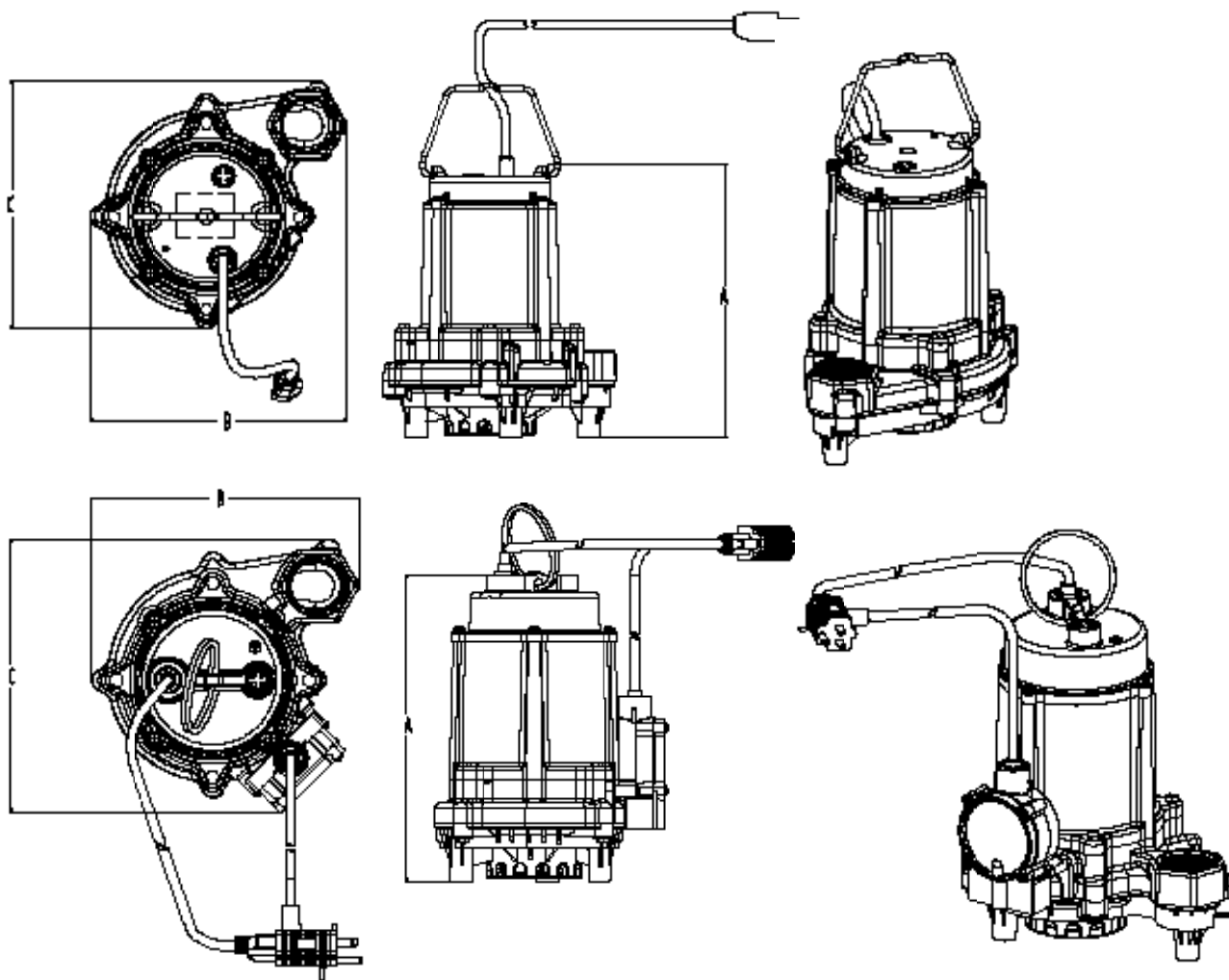
## 6EC SERIES - 1/3 HP

### ENGINEERING DATA



## 6EC SERIES - 1/3 HP

### ENGINEERING DATA

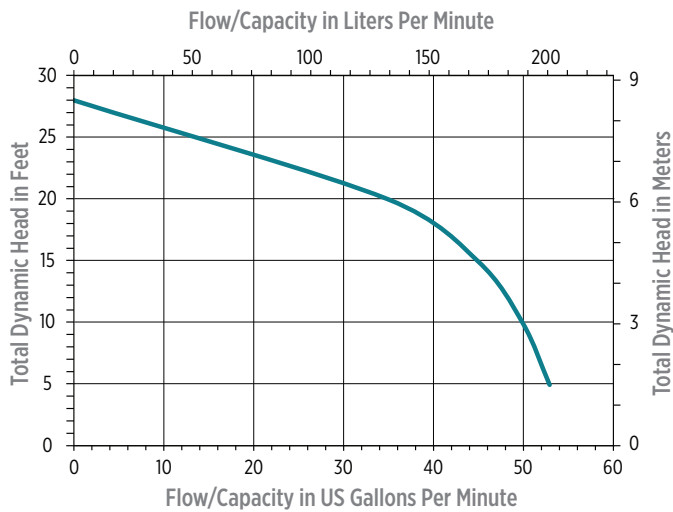


| Model       | Base          | A                 | B                 | C                |
|-------------|---------------|-------------------|-------------------|------------------|
| 6EC-CIA-SFS | Polypropylene | 11.28" (28.65 cm) | 10.66" (27.08 cm) | 8.48" (21.55 cm) |
| 6EC-CIA-RF  | Polypropylene | 11.08" (28.15 cm) | 8.79" (22.34 cm)  | 8.48" (21.55 cm) |
|             | Cast Iron     | 10.9" (27.62 cm)  | 8.79" (22.34 cm)  | 8.48" (21.55 cm) |
| 6EC-CIM     | Polypropylene | 11.08" (28.15 cm) | 8.79" (22.34 cm)  | 8.48" (21.55 cm) |
| 6EC-CIA-DS  | Polypropylene | 11.1" (28.2 cm)   | 9.0" (22.9 cm)    | 8.8" (22.4 cm)   |
| 6EC-CBA-SFS | Polypropylene | 11.0" (28 cm)     | 8.5" (21.5 cm)    | 10.6" (27 cm)    |
| 6EC-CBM     | Polypropylene | 10.2" (25.9 cm)   | 8.7" (22.1 cm)    | 8.5" (21.6 cm)   |

# EFFLUENT PUMPS

## 6EC SERIES - 1/3 HP

### PERFORMANCE DATA



### CONSTRUCTION

|                              |                                                         |
|------------------------------|---------------------------------------------------------|
| <b>Cover</b>                 | Epoxy-coated cast iron or epoxy impregnated cast bronze |
| <b>Motor Housing</b>         | Epoxy-coated cast iron or epoxy impregnated cast bronze |
| <b>Impeller Material</b>     | Nylon                                                   |
| <b>Volute</b>                | Epoxy-coated cast iron                                  |
| <b>Mechanical Shaft Seal</b> | Nitrile with carbon and ceramic faces                   |
| <b>Fasteners</b>             | Stainless steel                                         |
| <b>Shaft</b>                 | Cold-rolled steel                                       |
| <b>Bearings</b>              | Upper and lower ball bearings                           |
| <b>Power Cord</b>            | SJTW                                                    |

