

## 9EC SERIES - 4/10 HP

### APPLICATIONS

Effluent wastewater removal, dewatering, water transfer

### FEATURES

- Permanent Split Capacitor (PSC)
- Designed for continuous duty
- Energy-saving low amp draw
- 1-1/2" FNPT (38 mm) discharge
- Handles solids up to 3/4" (19 mm) diameter
- Multiple switch options for automatic operation
- 140 °F (60 °C) liquid temperature rating
- cCSAus listed



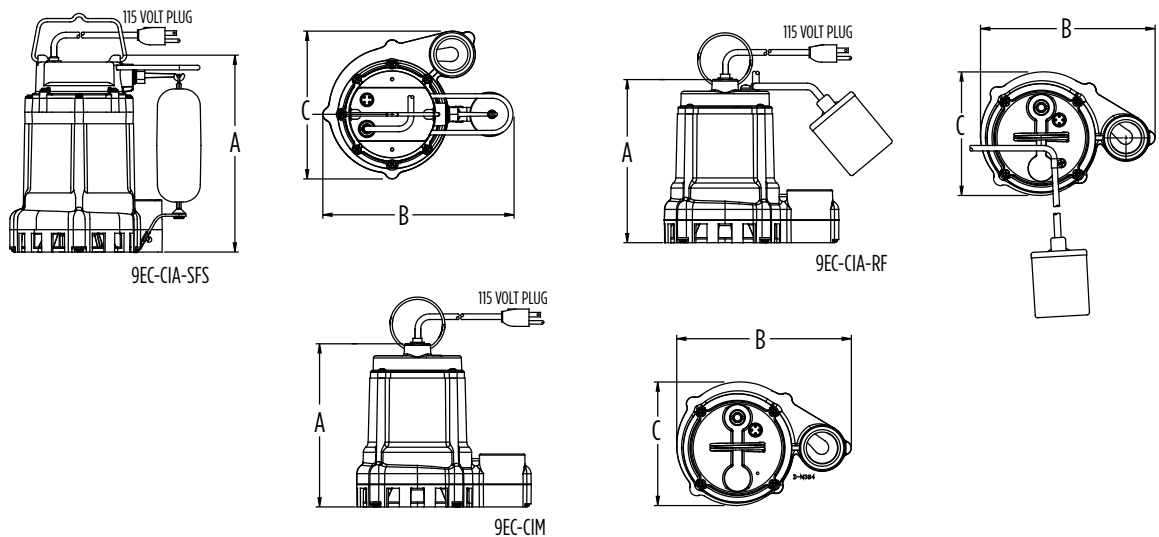
### SERIES SPECIFICATIONS

| Model | HP   | Volts   | HZ    | Amps |       | Watts   | Max. Water Temp. | Gallons per minute (Liters per Minute) @ Height |          |          |         | Shut-Off     | PSI / Bar   |
|-------|------|---------|-------|------|-------|---------|------------------|-------------------------------------------------|----------|----------|---------|--------------|-------------|
|       |      |         |       | FLA  | Start |         |                  | 5'                                              | 10'      | 20'      | 30'     |              |             |
| 9EC   | 4/10 | 115     | 60    | 7.5  | 14.5  | 800     | 140 °F / 60 °C   | 70 (265)                                        | 63 (239) | 45 (170) | 22 (83) | 37' (11.3 m) | 16.0 / 1.10 |
|       | 4/10 | 208-230 | 50/60 | 4/4  | 10/10 | 820/900 | 140 °F / 60 °C   | 70 (265)                                        | 63 (239) | 45 (170) | 22 (83) | 37' (11.3 m) | 16.0 / 1.10 |

| Item No. | Model       | HP   | Volts   | Switch Type / Operation | On Level                     | Off Level                  | Cord        | Weight lbs (Kg) |
|----------|-------------|------|---------|-------------------------|------------------------------|----------------------------|-------------|-----------------|
| 509804   | 9EC-CIA-SFS | 4/10 | 115     | Integral Float Switch   | 7" - 10"<br>(18 cm - 25 cm)  | 2" - 5"<br>(5 cm - 13 cm)  | 30' (9.1 m) | 28.5 (12.93 Kg) |
| 509801   | 9EC-CIA-RF  | 4/10 | 115     | Piggyback Float Switch  | 12" - 15"<br>(30 cm - 38 cm) | 6" - 9"<br>(15 cm - 23 cm) | 20' (6.1 m) | 27.5 (12.47 Kg) |
| 509802   | 9EC-CIA-RF  | 4/10 | 115     | Piggyback Float Switch  | 12" - 15"<br>(30 cm - 38 cm) | 6" - 9"<br>(15 cm - 23 cm) | 30' (9.1 m) | 28.5 (12.93 Kg) |
| 509806   | 9EC-CIM     | 4/10 | 115     | Manual                  | -                            | -                          | 10' (3.0 m) | 27.5 (12.47 Kg) |
| 509805   | 9EC-CIM     | 4/10 | 115     | Manual                  | -                            | -                          | 20' (6.1 m) | 27.5 (12.47 Kg) |
| 509808   | 9EC-CIM     | 4/10 | 115     | Manual                  | -                            | -                          | 30' (9.1 m) | 28.5 (12.93 Kg) |
| 509803   | 9EC-CIA-RF  | 4/10 | 208-230 | Piggyback Float Switch  | 12" - 15"<br>(30 cm - 38 cm) | 6" - 9"<br>(15 cm - 23 cm) | 20' (6.1 m) | 27.5 (12.47 Kg) |
| 509807   | 9EC-CIM     | 4/10 | 208-230 | Manual                  | -                            | -                          | 20' (6.1 m) | 27.5 (12.47 Kg) |

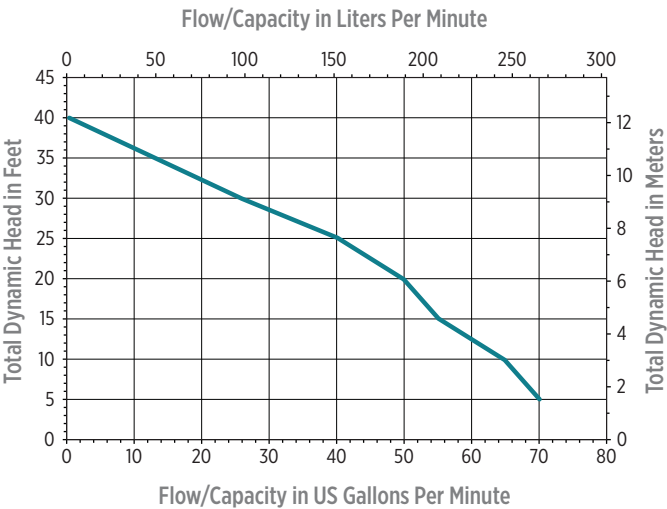
# 9EC SERIES - 4/10 HP

## ENGINEERING DATA



| Model       | A             | B               | C              |
|-------------|---------------|-----------------|----------------|
| 9EC-CIA-SFS | 11.8" (30 cm) | 10.7" (27.1 cm) | 8.4" (21.4 cm) |
| 9EC-CIA-RF  | 11.0" (28 cm) | 8.9" (22.6 cm)  | 8.4" (21.4 cm) |
| 9EC-CIM     | 11.0" (28 cm) | 8.9" (22.6 cm)  | 8.4" (21.4 cm) |

## PERFORMANCE DATA



## CONSTRUCTION

|                              |                                           |
|------------------------------|-------------------------------------------|
| <b>Cover</b>                 | Epoxy-coated cast iron/<br>*Thermoplastic |
| <b>Motor Housing</b>         | Epoxy-coated cast iron                    |
| <b>Impeller Material</b>     | Thermoplastic elastomer                   |
| <b>Impeller Type</b>         | Non-clog                                  |
| <b>Volute</b>                | Epoxy-coated cast iron                    |
| <b>Motor Shaft</b>           | Steel                                     |
| <b>Mechanical Shaft Seal</b> | Nitrile with carbon and ceramic<br>faces  |
| <b>Fasteners</b>             | Stainless steel                           |
| <b>Bearings</b>              | Upper and lower ball bearings             |
| <b>Power Cord</b>            | SJTW **SJTOW                              |

\* On SFS models  
\*\* On 30' 9EC-CIA-RF and 9EC-CIM models