

### APPLICATIONS

- Basement sumps • Dewatering
- Water transfer • Light effluent

### FEATURES

- Permanent split capacitor (PSC) motor with thermal overload protection
- Designed for continuous duty
- 1-1/2" FNPT discharge (38 mm)
- Handles up to 3/8" (9.5 mm) solids
- Multiple switch options for automatic operation
- cCSAus listed

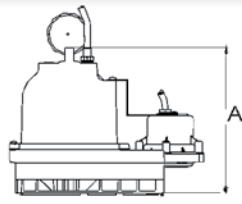


### SERIES SPECIFICATIONS

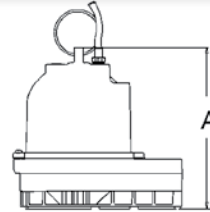
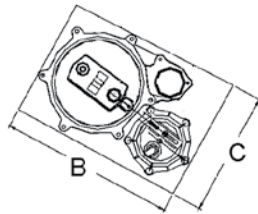
| Volts | Hz | Amps |       | Watts | Performance (GPM @ Height in Feet) |     |     | Shut-Off (ft) | PSI |
|-------|----|------|-------|-------|------------------------------------|-----|-----|---------------|-----|
|       |    | FLA  | Start |       | 5'                                 | 10' | 15' |               |     |
| 115   | 60 | 5.0  | 12    | 475   | 52                                 | 40  | 28  | 20            | 8.6 |

| Item No. | Model     | Volts | Switch Type/Operation         | On Level                      | Off Level                 | Cord       | Weight            |
|----------|-----------|-------|-------------------------------|-------------------------------|---------------------------|------------|-------------------|
| 506420   | ES33D1-10 | 115   | Piggyback Vertical Diaphragm  | 7" - 10"<br>17.8 cm - 25.4 cm | 2" - 5"<br>5 cm - 12.7 cm | 10'<br>3 m | 30 lbs<br>3.61 Kg |
| 506422   | ES33V1-10 | 115   | Piggyback Vertical Mechanical | 7" - 10"<br>17.8 cm - 25.4 cm | 2" - 5"<br>5 cm - 12.7 cm | 10'<br>3 m | 30 lbs<br>3.61 Kg |
| 506424   | ES33W1-10 | 115   | Piggyback Mechanical Float    | 7" - 10"<br>17.8 cm - 25.4 cm | 2" - 5"<br>5 cm - 12.7 cm | 10'<br>3 m | 30 lbs<br>3.61 Kg |

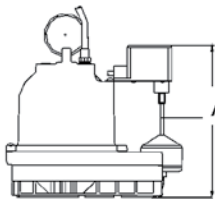
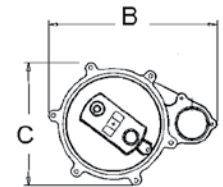
ENGINEERING DATA



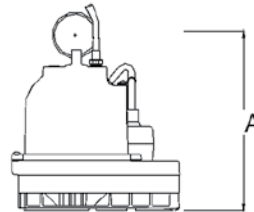
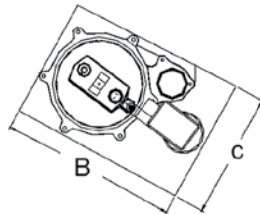
ES33D1



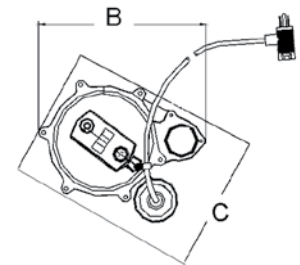
ES33M1



ES33V1

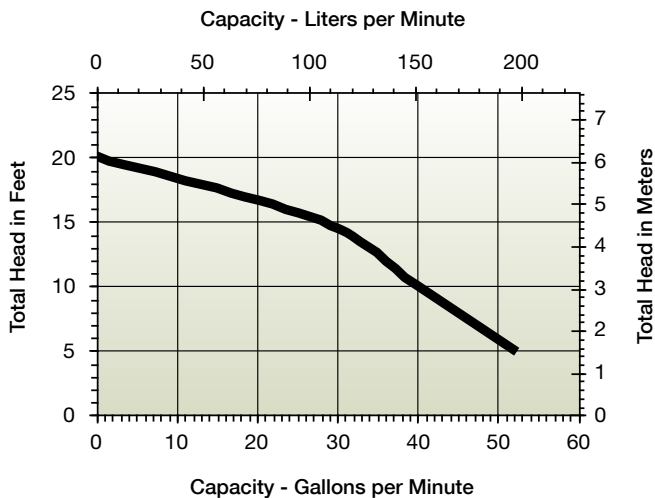


ES33W1



| Model  | A                 | B                  | C                 |
|--------|-------------------|--------------------|-------------------|
| ES33D1 | 9.5"<br>24.13 cm  | 11.25"<br>28.57 cm | 9.75"<br>24.77 cm |
| ES33M1 | 9.5"<br>24.13 cm  | 10"<br>25.4 cm     | 8"<br>20.32 cm    |
| ES33W1 | 10.5"<br>26.67 cm | 11.25"<br>28.57 cm | 10"<br>25.4 cm    |
| ES33V1 | 9.5"<br>24.13 cm  | 10"<br>25.4 cm     | 8"<br>20.32 cm    |

PERFORMANCE DATA



CONSTRUCTION

|                              |  |
|------------------------------|--|
| <b>Motor Housing</b>         | Epoxy-coated cast iron   |
| <b>Impeller Material</b>     | Engineered composite   |
| <b>Impeller Type</b>         | Recessed, Vortex   |
| <b>Volute</b>                | Glass-filled polypropylene   |
| <b>Motor Shaft</b>           | Cold rolled steel (not exposed)                                    |
| <b>Mechanical Shaft Seal</b> | Nitrile with carbon and ceramic faces                              |
| <b>Fasteners</b>             | Stainless steel  |
| <b>Bearings</b>              | Upper: Sintered iron/copper, flanged sleeve<br>Lower: Ball bearing |
| <b>Power Cord</b>            | 16/3 SJTW-A  |