

Wastewater

WS Sewage Series



Applications

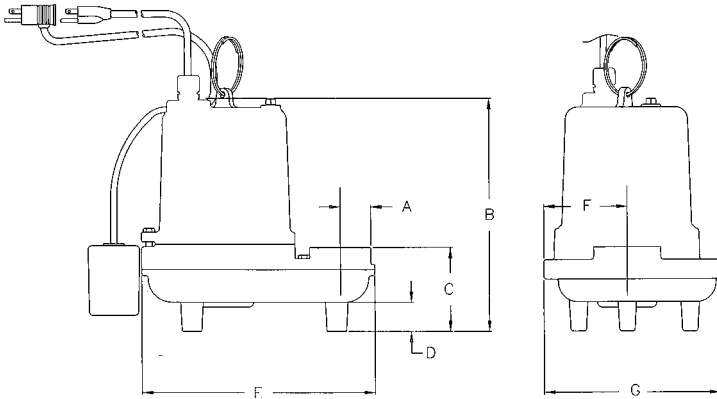
- Ideal for handling raw sewage as well as commercial dewatering sump applications with up to 2" solids.

Features

- 1/2 hp and 1 hp oil filled chamber with double ball bearing. Designed for hi-torque and is thermally protected with automatic reset (single-phase only)
- Motor shaft is stainless steel
- Motor and pump housing is cast iron
- 2" NPT discharge
- Mechanical carbon/ceramic seal
- Cast iron solids handling non-clog impeller
- Stainless steel fasteners throughout, for serviceability
- Mechanical float switch for automatic on-off operation; piggyback style
- Power cord sealed at motor housing



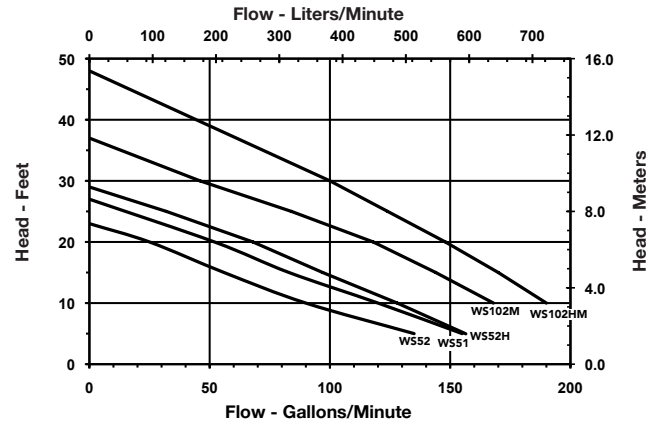
Engineering Data



*Dimensions measured in inches [mm]

| Model | A | B | C | D | E | F | G |
|--------|--------------|----------------|---------------|--------------|----------------|---------------|---------------|
| WS51 | 1.75" [44.5] | 13.25" [336.6] | 5.25" [133.4] | 2" [50.1] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS52 | 1.75" [44.5] | 14" [355.6] | 6.38" [162.1] | 2.31" [58.7] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS52H | 1.75" [44.5] | 15.1" [383.6] | 6.38" [162.1] | 2.31" [58.7] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS102 | 1.75" [44.5] | 15.1" [383.6] | 6.38" [162.1] | 2.31" [58.7] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS102H | 1.75" [44.5] | 15.1" [383.6] | 6.38" [162.1] | 2.31" [58.7] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |

Performance Data



Performance Chart

| Model No. | RPM | Performance (gpm @ head) | | | | | | | Shut-Off Head (ft) |
|-----------|------|--------------------------|-----|-----|-----|-----|-----|-----|--------------------|
| | | 5' | 10' | 15' | 20' | 25' | 30' | 35' | |
| WS51 | 1750 | 155 | 120 | 83 | 52 | - | - | - | 27 |
| WS52 | 1750 | 135 | 90 | 56 | 14 | - | - | - | 23 |
| WS52H | 3450 | 156 | 128 | 97 | 68 | 32 | - | - | 29 |
| WS102 | 1750 | - | 168 | 144 | 118 | 85 | 46 | - | 37 |
| WS102H | 3450 | - | 190 | 170 | 148 | 124 | 100 | 74 | 48 |

Specifications

| Item No. | Model No. | Listing | HP | Volts | SFA | Phase | Solids Handling | Discharge | Switch | Cord Length (ft) | Ship Wt. (lbs) |
|----------|-------------|---------|-----|---------|-------------|-------|-----------------|-----------|-----------|------------------|----------------|
| 620012 | WS51M | cCSAus | 1/2 | 115 | 11.6 | 1 | 1-3/8" | 2" | Manual | 20 | 55 |
| 620002 | WS51AM | cCSAus | 1/2 | 115 | 11.6 | 1 | 1-3/8" | 2" | Automatic | 20 | 57 |
| 620013 | WS52M | cCSAus | 1/2 | 115 | 11.6 | 1 | 2" | 2" | Manual | 20 | 57 |
| 620003 | WS52AM | cCSAus | 1/2 | 115 | 11.6 | 1 | 2" | 2" | Automatic | 20 | 59 |
| 620254 | WS52HM | cCSAus | 1/2 | 115 | 11.6 | 1 | 2" | 2" | Manual | 30 | 58 |
| 620255 | WS52HAM | cCSAus | 1/2 | 115 | 11.6 | 1 | 2" | 2" | Automatic | 30 | 60 |
| 620256 | WS52HM-12 | cCSAus | 1/2 | 208-230 | 11.6 | 1 | 2" | 2" | Manual | 30 | 58 |
| 620257 | WS52HAM-12 | cCSAus | 1/2 | 208-230 | 11.6 | 1 | 2" | 2" | Automatic | 30 | 60 |
| 620203 | WS102M-12 | cCSAus | 1 | 208-230 | 9.8 - 10.7 | 1 | 2" | 2" | Manual | 20 | 62 |
| 620215 | WS102AM-12 | cCSAus | 1 | 208-230 | 9.8 - 10.7 | 1 | 2" | 2" | Automatic | 20 | 64 |
| 620208 | WS102M-32 | cCSAus | 1 | 208-230 | 4.30 - 4.58 | 3 | 2" | 2" | Manual | 20 | 63 |
| 620209 | WS102M-34 | cCSAus | 1 | 460 | 2.15 | 3 | 2" | 2" | Manual | 20 | 63 |
| 620258 | WS102HM-12 | cCSAus | 1 | 230 | 13.3 | 1 | 2" | 2" | Manual | 30 | 61 |
| 620259 | WS102HAM-12 | cCSAus | 1 | 230 | 13.3 | 1 | 2" | 2" | Automatic | 30 | 63 |



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 Form 996172 - 05/11