

Wastewater

WS Effluent Series



Applications

Ideal for liquid effluent pumping applications, as well as light commercial applications with up to 3/4" diameter solids.

Features

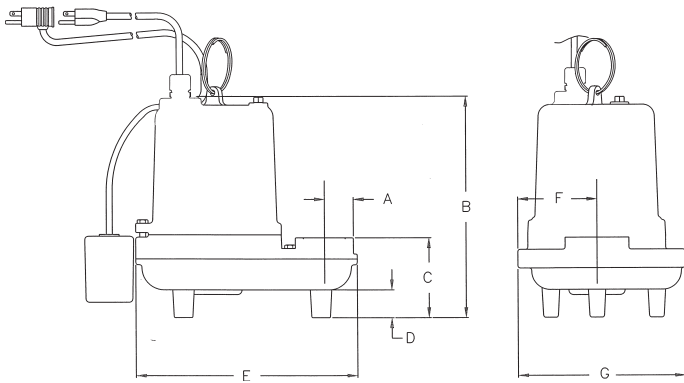
- **CONSTRUCTION** - Motor and pump housing is Cast Iron.
- **CORD** - Power cord sealed at motor housing.
- **IMPELLER** - Cast Iron. Solids handling non-clog impeller.
- **SEAL** - Mechanical carbon/ceramic.
- **SHAFT** - Motor shaft is 416 stainless steel.
- **MOTOR** - Oil filled chamber with double ball bearing. Designed for hi-torque and is thermally protected with automatic reset (single phase only).
- **SWITCH** - Mechanical float switch for automatic on-off operation; piggyback style WS30.
- **DISCHARGE** - 2" NPT.
- **FASTENERS** - Stainless steel fasteners throughout, for serviceability.



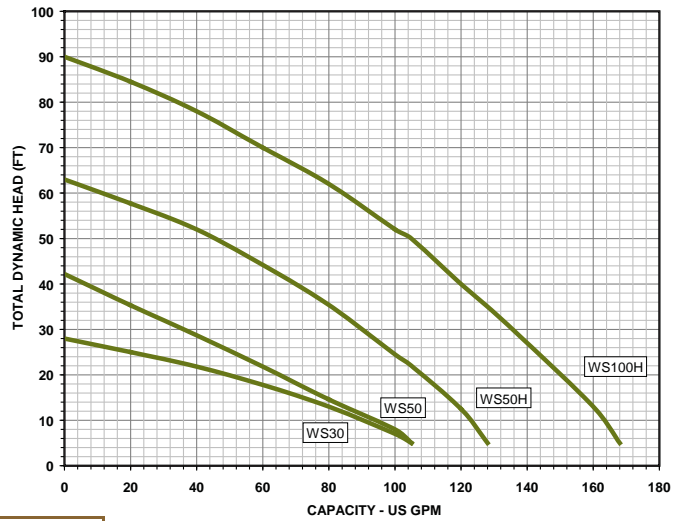
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Dimensional Outline



Performance Data



*Dimensions measured in inches [mm]

| Model | A | B | C | D | E | F | G |
|--------|--------------|----------------|--------------|-----------|----------------|---------------|---------------|
| WS30 | 1.75" [44.5] | 11.25" [285.8] | 3.75" [95.3] | 1" [25.4] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS50 | 1.75" [44.5] | 13.75" [349.3] | 3.75" [95.3] | 1" [25.4] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS50H | 1.75" [44.5] | 13.75" [349.3] | 3.75" [95.3] | 1" [25.4] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |
| WS100H | 1.75" [44.5] | 13.75" [349.3] | 3.75" [95.3] | 1" [25.4] | 12.25" [311.2] | 4.68" [118.9] | 9.38" [238.3] |

Specifications

| Model No. | Item No. | Listing | HP | Volts | SFA | Phase | Solids Handling | Discharge | Cord Length (ft.) | Ship Wt. (lbs.) |
|----------------|----------|---------|-----|----------|-----------|-------|-----------------|-----------|-------------------|-----------------|
| WS30M | 620010 | cCSAus | 1/3 | 115 V | 10.4 | 1 | 3/4" | 2" | 20' | 51 |
| WS30AM | 620000 | cCSAus | 1/3 | 115 V | 10.4 | 1 | 3/4" | 2" | 20' | 53 |
| WS50M-20 | 620231 | cCSAus | 1/2 | 115 V | 11.6 | 1 | 3/4" | 2" | 20' | 55 |
| WS50AM-20 | 620233 | cCSAus | 1/2 | 115 V | 11.6 | 1 | 3/4" | 2" | 20' | 57 |
| WS50M-12-20 | 620251 | cCSAus | 1/2 | 208-230V | 9.7 | 1 | 3/4" | 2" | 20' | 56 |
| WS50AM-12-20 | 620253 | cCSAus | 1/2 | 208-230V | 9.7 | 1 | 3/4" | 2" | 20' | 58 |
| WS50HM-20 | 620218 | cCSAus | 1/2 | 115V | 15.0 | 1 | 3/4" | 2" | 20' | 56 |
| WS50HAM-20 | 620219 | cCSAus | 1/2 | 115V | 15.0 | 1 | 3/4" | 2" | 20' | 58 |
| WS50HM-12-20 | 620220 | cCSAus | 1/2 | 208-230V | 10.0 | 1 | 3/4" | 2" | 20' | 56 |
| WS50HAM-12-20 | 620221 | cCSAus | 1/2 | 208-230V | 10.0 | 1 | 3/4" | 2" | 20' | 58 |
| WS100HM-12-20 | 620222 | cCSAus | 1 | 208-230V | 13.3 | 1 | 3/4" | 2" | 20' | 57 |
| WS100HAM-12-20 | 620223 | cCSAus | 1 | 208-230V | 13.3 | 1 | 3/4" | 2" | 20' | 59 |
| WS100HM-32 | 620207 | cCSAus | 1 | 208-230V | 5.8 - 6.4 | 3 | 3/4" | 2" | 30' | 62 |
| WS100HM-34 | 620206 | cCSAus | 1 | 460V | 2.9 | 3 | 3/4" | 2" | 30' | 62 |

30' cord length models are available, please contact factory.

M = Manual

AM = Automatic with piggyback SJE float switch

Performance Chart

| Model No. | RPM | Total Head in Feet | | | | | | | | | | | Shut-Off Head (ft.) |
|-----------|------|--------------------|-----|-----|-----|-----|-----|-----|-----|----|----|----|---------------------|
| | | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | |
| WS30 | 1750 | 105 | 90 | 70 | 45 | 15 | - | - | - | - | - | - | 28 |
| WS50 | 3450 | 105 | 92 | 80 | 64 | 50 | - | - | - | - | - | - | 42 |
| WS50H | 3450 | 130 | 124 | 116 | 108 | 98 | 88 | 70 | 44 | - | - | - | 63 |
| WS100H | 3450 | 168 | 164 | 156 | 150 | 142 | 136 | 120 | 104 | 84 | 60 | 32 | 90 |



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