

WS EFFLUENT SERIES - 1/3 HP, 1/2 HP, 1 HP

APPLICATIONS

Effluent wastewater removal, dewatering, water transfer

FEATURES

- Split-phase, oil-filled motor
- Designed for high torque
- Piggyback mechanical float option available for automatic operation
- 2" NPT (51 mm) discharge
- Handles solids up to 3/4" (19 mm) diameter
- 120 °F (49 °C) liquid temperature rating
- cCSAus listed



SERIES SPECIFICATIONS

| Item No. | Model | HP | Volts | Phase | HZ | Amps | | Watts | Performance (GPM @ Height in Feet) | | | | | | | | | | | Shut-Off (ft) | PSI | |
|----------|----------------|-----|---------|-------|----|------|-------|-------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|-----|------|
| | | | | | | FLA | Start | | 10' | 15' | 20' | 25' | 30' | 35' | 40' | 45' | 50' | 60' | 80' | | | |
| 620010 | WS30M | 1/3 | 115 | 1 | 60 | 10.4 | 50.4 | 1000 | 90 | 70 | 45 | 15 | - | - | - | - | - | - | - | - | 28 | 12 |
| 620000 | WS30AM | 1/3 | 115 | 1 | 60 | 10.4 | 50.4 | 1000 | 90 | 70 | 45 | 15 | - | - | - | - | - | - | - | - | 28 | 12 |
| 620231 | WS50M-20 | 1/2 | 115 | 1 | 60 | 11.6 | 26.9 | 950 | 90 | 80 | 64 | 50 | - | - | - | - | - | - | - | - | 42 | 18.2 |
| 620233 | WS50AM-20 | 1/2 | 115 | 1 | 60 | 11.6 | 26.9 | 950 | 90 | 80 | 64 | 50 | - | - | - | - | - | - | - | - | 42 | 18.2 |
| 620251 | WS50M-12-20 | 1/2 | 208-230 | 1 | 60 | 9.7 | 32.6 | 1100 | 90 | 80 | 64 | 50 | - | - | - | - | - | - | - | - | 42 | 18.2 |
| 620200 | WS50HM | 1/2 | 115 | 1 | 60 | 15 | 26.9 | 1100 | 115 | 107 | 98 | 88 | 78 | 67 | 57 | 43 | 30 | - | - | - | 63 | 27.3 |
| 620218 | WS50HM-20 | 1/2 | 115 | 1 | 60 | 15 | 26.9 | 1470 | 115 | 107 | 98 | 88 | 78 | 67 | 57 | 43 | 30 | - | - | - | 63 | 27.3 |
| 620219 | WS50HAM-20 | 1/2 | 115 | 1 | 60 | 15 | 26.9 | 1470 | 115 | 107 | 98 | 88 | 78 | 67 | 57 | 43 | 30 | - | - | - | 63 | 27.3 |
| 620220 | WS50HM-12-20 | 1/2 | 208-230 | 1 | 60 | 9.7 | 32.6 | 1540 | 115 | 107 | 98 | 88 | 78 | 67 | 57 | 43 | 30 | - | - | - | 63 | 27.3 |
| 620222 | WS100HM-12-20 | 1 | 208-230 | 1 | 60 | 13.6 | 46.9 | 2660 | 150 | 145 | 140 | 134 | 128 | 121 | 115 | 106 | 97 | 76 | 27 | 90 | 39 | |
| 620223 | WS100HAM-12-20 | 1 | 208-230 | 1 | 60 | 13.6 | 46.9 | 2660 | 150 | 145 | 140 | 134 | 128 | 121 | 115 | 106 | 97 | 76 | 27 | 90 | 39 | |
| 620206 | WS100HM-34 | 1 | 460 | 3** | 60 | 3.1 | 16.7 | 2000 | 150 | 145 | 140 | 134 | 128 | 121 | 115 | 106 | 97 | 76 | 27 | 90 | 39 | |

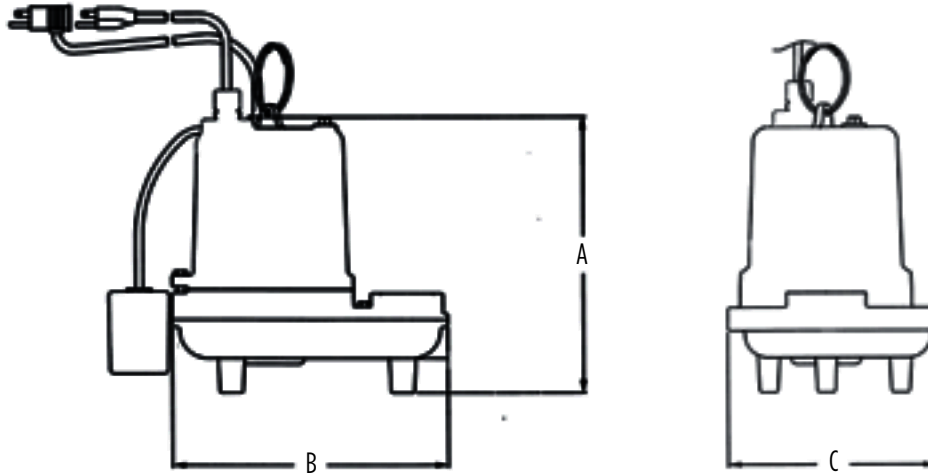
** Three-phase pumps must have a three-phase control panel for automatic or manual operation

| Item No. | Model | Volts | Switch Type/ Operation | On Level | Off Level | Cord | Weight |
|----------|----------------|---------|-----------------------------------|------------|-----------|-------------|-------------------|
| 620010 | WS30M | 115 | Manual | - | - | 20' - 6.1 m | 51 lbs - 22.68 Kg |
| 620000 | WS30AM | 115 | Piggyback Mechanical Float Switch | Adjustable | | 20' - 6.1 m | 53 lbs - 24.04 Kg |
| 620231 | WS50M-20 | 115 | Manual | - | - | 20' - 6.1 m | 55 lbs - 24.95 Kg |
| 620233 | WS50AM-20 | 115 | Piggyback Mechanical Float Switch | Adjustable | | 20' - 6.1 m | 57 lbs - 25.85 Kg |
| 620251 | WS50M-12-20 | 208-230 | Manual | - | - | 20' - 6.1 m | 56 lbs - 25.40 Kg |
| 620200 | WS50HM | 115 | Manual | - | - | 30' - 9.1 m | 57 lbs - 25.85 Kg |
| 620218 | WS50HM-20 | 115 | Manual | - | - | 20' - 6.1 m | 56 lbs - 25.40 Kg |
| 620219 | WS50HAM-20 | 115 | Piggyback Mechanical Float Switch | Adjustable | | 20' - 6.1 m | 58 lbs - 26.31 Kg |
| 620220 | WS50HM-12-20 | 208-230 | Manual | - | - | 20' - 6.1 m | 56 lbs - 25.40 Kg |
| 620222 | WS100HM-12-20 | 208-230 | Manual | - | - | 20' - 6.1 m | 57 lbs - 25.85 Kg |
| 620223 | WS100HAM-12-20 | 208-230 | Piggyback Mechanical Float Switch | Adjustable | | 20' - 6.1 m | 59 lbs - 26.76 Kg |
| 620206 | WS100HM-34 | 460 | Manual | - | - | 30' - 9.1 m | 62 lbs - 28.12 Kg |

EFFLUENT PUMPS

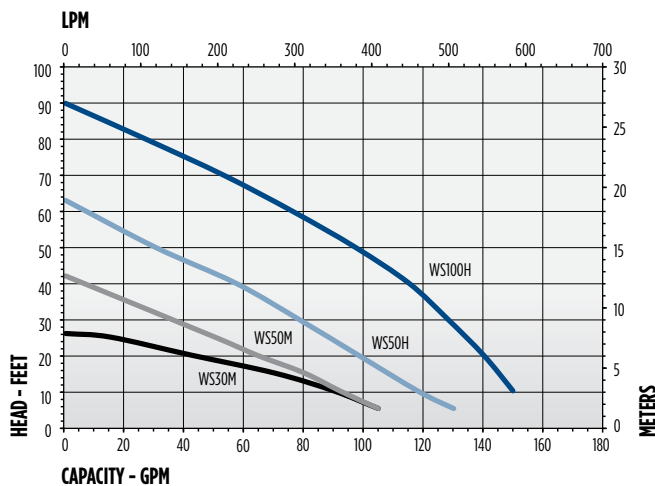
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ENGINEERING DATA



| Model | A | B | C |
|--------|--------------------|-------------------|------------------|
| WS30 | 11.25" 28.58 cm | 12.25" 31.1 cm | 9.38" 23.8 cm |
| WS50 | 13.75" 34.93 cm | 12.25" 31.1 cm | 9.38" 23.8 cm |
| WS50H | 13.75" 34.93 cm | 12.25" 31.1 cm | 9.38" 23.8 cm |
| WS100H | 13.75" 34.93 cm | 12.25" 31.1 cm | 9.38" 23.8 cm |

PERFORMANCE DATA



CONSTRUCTION

| | |
|--------------------------|-------------------------------|
| Motor Housing | Cast iron |
| Impeller Material | Cast iron |
| Impeller Type | Non-clog |
| Volute | Cast iron |
| Motor Shaft | Stainless steel |
| Shaft Seal | Carbon/ceramic |
| Fasteners | Stainless steel |
| Bearings | Upper and lower ball bearings |
| Power Cord | SJOW |