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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

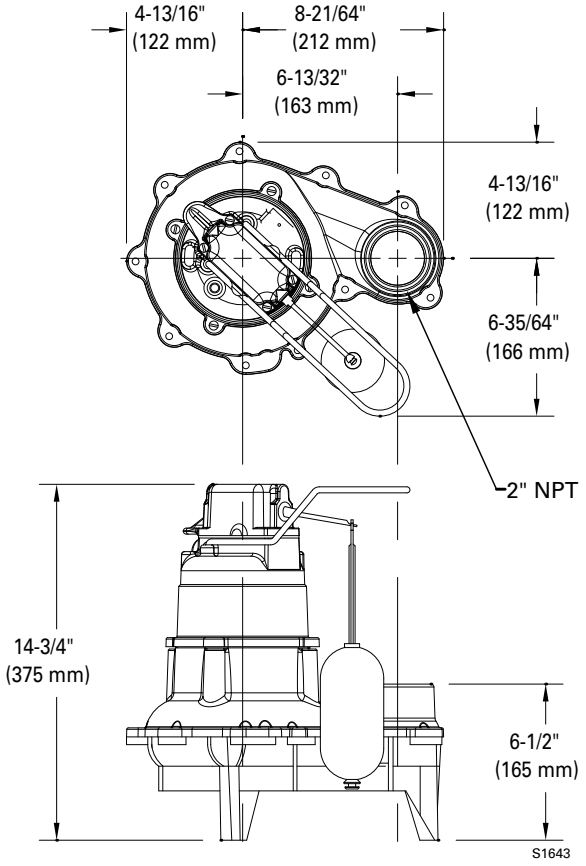
ZOELLER® PUMP COMPANY

**SECTION: 2.20.020**
FM2788
0220
Supersedes
0619

# TECHNICAL DATA SHEET
# WASTE-MATE SERIES
## Model 264 Sewage/Effluent or Dewatering Pumps

### PRODUCT SPECIFICATIONS

| | | |
|---|---|---|
| MOTOR | Horse Power | 4/10 |
| | Voltage | 115 or 230 |
| | Phase | 1 Ph |
| | Hertz | 60 Hz |
| | RPM | 1725 |
| | Type | Permanent split capacitor |
| | Insulation | Class B |
| | Amps | 4.7 - 9.4 |
| PUMP | Operation | Automatic or nonautomatic |
| | Auto On/Off Points | 12-1/2" (31.8 cm) / 4-1/2" (11.4 cm) |
| | Discharge Size | 2" NPT |
| | Solids Handling | 2" (50 mm) spherical solids |
| | Cord Length | 10' (3 m) automatic, 15' (5 m) nonautomatic |
| | Cord Type | UL listed cord and plug |
| | Max. Head | 18' (5.5 m) |
| | Max. Flow Rate | 90 GPM (341 LPM) |
| | Max. Operating Temp. | 130° F (54° C) |
| | Cooling | Oil filled |
| | Motor Protection | Auto reset thermal overload |
| MATERIALS | Cap | Cast iron |
| | Motor Housing | Cast iron |
| | Pump Housing | Cast iron |
| | Base | Engineered plastic |
| | Upper Bearing | Sleeve bearing |
| | Lower Bearing | Sleeve bearing |
| | Mechanical Seals | Carbon and ceramic |
| | Impeller Type | Non-clogging vortex |
| | Impeller | Engineered plastic |
| | Hardware | Stainless steel |
| | Motor Shaft | A151 1215 Steel |
| | Gasket | Neoprene or Buna-N |
| | Min. Basin Size | Simplex: 18" x 30" (45.7 x 76.2 cm)<br>Duplex: 30" x 36" (76.2 x 91.4 cm) |




NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

NOTE: See model comparison chart for specific details.

**Made In The USA.**
**Using a majority of U.S. components.**

Tested to Standard UL778 and Certified to CSA Standard C22.2 No. 108

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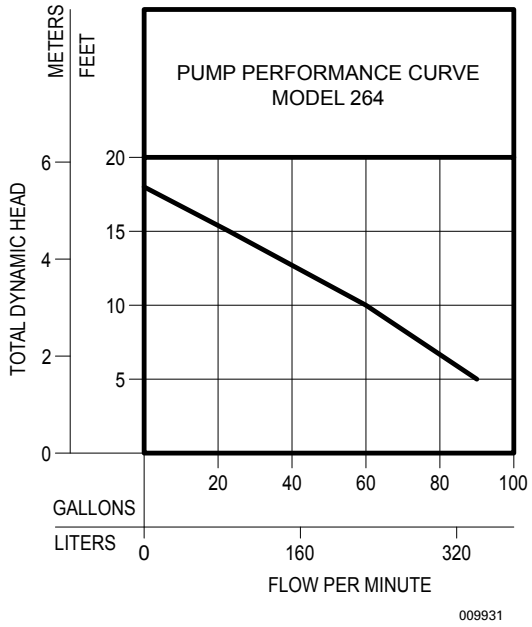
## TOTAL DYNAMIC HEAD FLOW PER MINUTE

| MODEL | | 264 | |
|---|---|---|---|
| Feet | Meters | Gallons | Liters |
| 5 | 1.5 | 90 | 341 |
| 10 | 3.0 | 60 | 227 |
| 15 | 4.6 | 23 | 87 |
| Shut-off Head: | | 18 ft (5.5 m) | |




| Model | MODEL COMPARISON | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Seal | Mode | Volts | Ph | Amps | HP | Hz | Lbs | Kg | Simplex | Duplex |
| M264 | Single | Auto | 115 | 1 | 9.4 | 4/10 | 60 | 35.5 | 16.0 | 1 | 4 |
| N264 | Single | Non | 115 | 1 | 9.4 | 4/10 | 60 | 34.5 | 15.6 | 2 or 3 | 4 |
| *BN264 | Single | Auto | 115 | 1 | 9.4 | 4/10 | 60 | 40.0 | 18.0 | -- | -- |
| D264 | Single | Auto | 230 | 1 | 4.7 | 4/10 | 60 | 35.5 | 16.0 | 1 | 4 |
| E264 | Single | Non | 230 | 1 | 4.7 | 4/10 | 60 | 34.5 | 15.6 | 2 or 3 | 4 |
| *BE264 | Single | Auto | 230 | 1 | 4.7 | 4/10 | 60 | 40.0 | 18.0 | -- | -- |

*Single piggyback switch included.
Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

### SELECTION GUIDE

1. Integral float-operated mechanical switch, no external control required.
2. For automatic use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
3. See FM1228 for correct model of simplex control panel.
4. See FM0712 for correct model of duplex control panel or FM1663 for a residential alternator system.

### CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Electrical alternators for duplex systems available with variable level float switches
- Minimum recommended basin size
  Simplex - 18"x30" (45.7 x 76.2 cm)
  Duplex - 30"x36" (76.2 x 91.4 cm)
- Standard automatic - weight 35.5 lbs. (16.1 kg)
- High water alarms available
- Mechanical alternators available for duplex systems

**⚠ CAUTION** Maximum temperature of sewage or dewatering must be limited to 130°F (54°C). For over 130°F (54°C), special quotation required.

- For "M" and "D" models, the approximate volume pumped per cycle are:

| Tank Diameter | Volume Pumped |
|---|---|
| 18" (45.7 cm) Simplex | 8 Gallons (30 liters) |
| 24" (61 cm) Simplex | 15 Gallons (57 liters) |
| 30" (76.2 cm) Duplex | 22 Gallons (83 liters) |
| 36" (91.4 cm) Duplex | 33 Gallons (125 liters) |
| 48" (121.9 cm) Duplex | 60 Gallons (227 liters) |

**⚠ CAUTION** All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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