

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

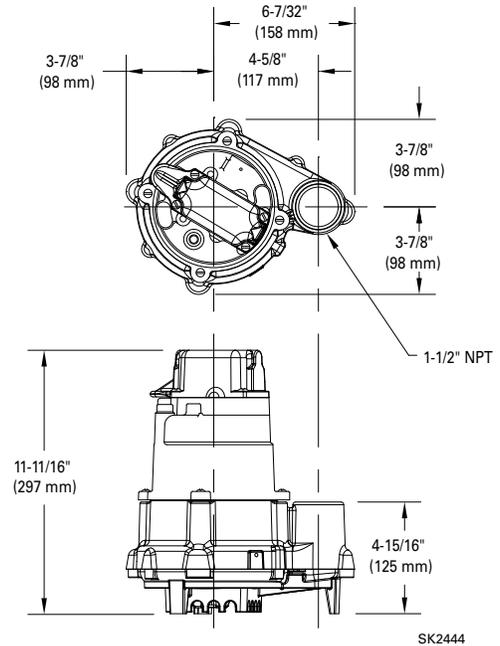


## TECHNICAL DATA SHEET DOSE-MATE SERIES Models 151, 152, 153 Effluent Pumps

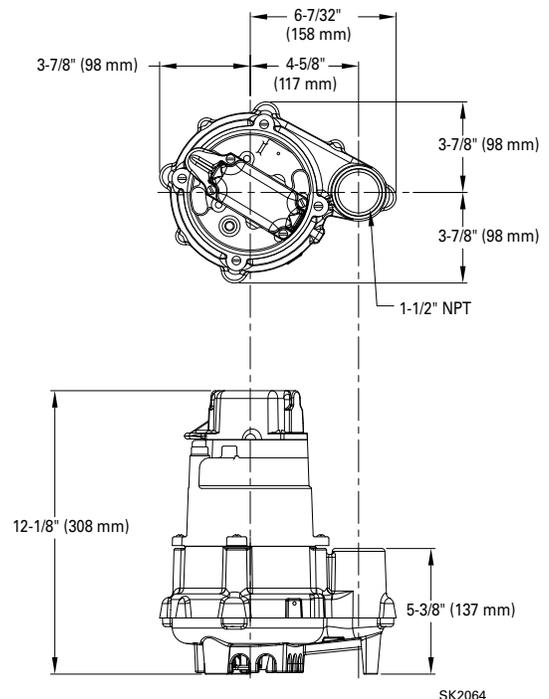
### PRODUCT SPECIFICATIONS

|                  |                      |   |
|------------------|----------------------|---|
| <b>MOTOR</b>     | Horse Power          | 1/3 (151), 4/10 (152), 1/2 (153)            |
|                  | Voltage              | 115 or 230                                  |
|                  | Phase                | 1 Ph  |
|                  | Hertz                | 60 Hz                                       |
|                  | RPM                  | 3450  |
|                  | Type                 | Permanent split capacitor                   |
|                  | Insulation           | Class B                                     |
|                  | Amps                 | 3.0 - 10.5                                  |
| <b>PUMP</b>      | Operation            | Automatic or nonautomatic                   |
|                  | Discharge Size       | 1-1/2" NPT                                  |
|                  | Solids Handling      | 1/2" (12 mm), 3/4" (19 mm) spherical solids |
|                  | Cord Length          | 20' (6 m)                                   |
|                  | Cord Type            | UL listed power cord                        |
|                  | Max. Head            | 44' (13.4 m)                                |
|                  | Max. Flow Rate       | 77 GPM (291 LPM)                            |
|                  | Max. Operating Temp. | 130 °F (54 °C)                              |
|                  | Cooling              | Oil filled                                  |
|                  | Motor Protection     | Auto reset thermal overload                 |
| <b>MATERIALS</b> | Cap                  | Cast iron                                   |
|                  | Motor Housing        | Cast iron                                   |
|                  | Pump Housing         | Cast iron                                   |
|                  | Base                 | Plastic or cast iron                        |
|                  | Upper Bearing        | Sleeve bearing                              |
|                  | Lower Bearing        | Ball bearing                                |
|                  | Mechanical Seals     | Carbon and ceramic                          |
|                  | Impeller Type        | Non-clogging vortex                         |
|                  | Impeller             | Engineered thermoplastic                    |
|                  | Hardware             | Stainless steel                             |
|                  | Motor Shaft          | AISI 1215 steel                             |
|                  | Gasket               | Neoprene                                    |

#### MODEL 151



#### MODELS 152 & 153



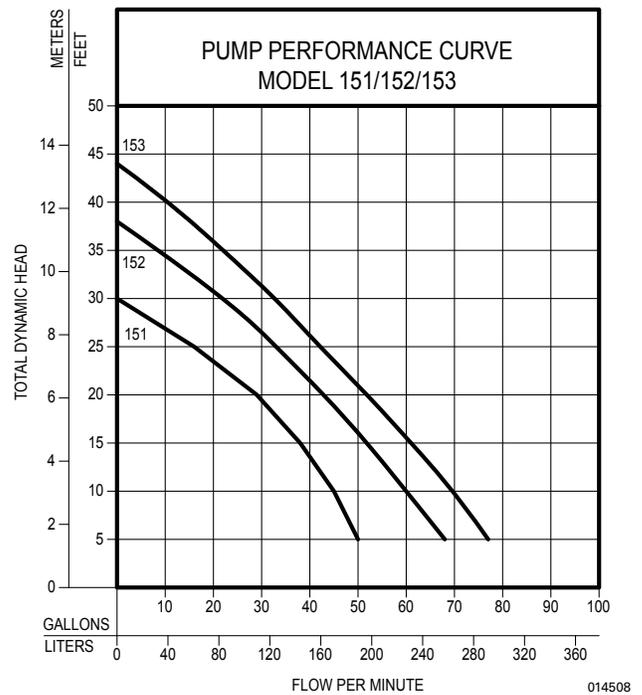
NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

NOTE: See model comparison chart for specific details.



## TOTAL DYNAMIC HEAD FLOW PER MINUTE

| MODEL          |        | 151           |        | 152            |        | 153            |        |
|----------------|--------|---------------|--------|----------------|--------|----------------|--------|
| Feet           | Meters | Gal.          | Liters | Gal.           | Liters | Gal.           | Liters |
| 5              | 1.5    | 50            | 189    | 69             | 261    | 77             | 291    |
| 10             | 3.0    | 45            | 170    | 61             | 231    | 70             | 265    |
| 15             | 4.6    | 38            | 144    | 53             | 201    | 61             | 231    |
| 20             | 6.1    | 29            | 110    | 44             | 167    | 52             | 197    |
| 25             | 7.6    | 16            | 61     | 34             | 129    | 42             | 159    |
| 30             | 9.1    | --            | --     | 23             | 87     | 33             | 125    |
| 35             | 10.7   | --            | --     | --             | --     | 22             | 85     |
| 40             | 12.2   | --            | --     | --             | --     | 11             | 42     |
| Shut-off Head: |        | 30 ft. (9.1m) |        | 38 ft. (11.6m) |        | 44 ft. (13.4m) |        |



| Model | MODEL COMPARISON |      |       |    |      |      |    |     |    |         |        |
|-------|------------------|------|-------|----|------|------|----|-----|----|---------|--------|
|       | Seal             | Mode | Volts | Ph | Amps | HP   | Hz | Lbs | Kg | Simplex | Duplex |
| N151  | Single           | Non  | 115   | 1  | 6.0  | 1/3  | 60 | 32  | 15 | 1       | 2 or 3 |
| E151  | Single           | Non  | 230   | 1  | 3.0  | 1/3  | 60 | 32  | 15 | 1       | 2 or 3 |
| BN151 | Single           | Auto | 115   | 1  | 6.0  | 1/3  | 60 | 33  | 15 | *       | 2 or 3 |
| BE151 | Single           | Auto | 230   | 1  | 3.0  | 1/3  | 60 | 33  | 15 | *       | 2 or 3 |
| N152  | Single           | Non  | 115   | 1  | 8.5  | 4/10 | 60 | 37  | 17 | 1       | 2 or 3 |
| E152  | Single           | Non  | 230   | 1  | 4.3  | 4/10 | 60 | 37  | 17 | 1       | 2 or 3 |
| BN152 | Single           | Auto | 115   | 1  | 8.5  | 4/10 | 60 | 39  | 18 | *       | 2 or 3 |
| BE152 | Single           | Non  | 230   | 1  | 4.3  | 4/10 | 60 | 39  | 18 | *       | 2 or 3 |
| N153  | Single           | Non  | 115   | 1  | 10.5 | 1/2  | 60 | 37  | 17 |         |        |
| BN153 | Single           | Auto | 115   | 1  | 10.5 | 1/2  | 60 | 39  | 18 | *       | 2 or 3 |
| E153  | Single           | Non  | 230   | 1  | 5.3  | 1/2  | 60 | 37  | 17 | 1       | 2 or 3 |
| BE153 | Single           | Non  | 230   | 1  | 5.3  | 1/2  | 60 | 39  | 18 | *       | 2 or 3 |

\*BN and BE models include a 20' (6 m) piggyback variable level pump switch. Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

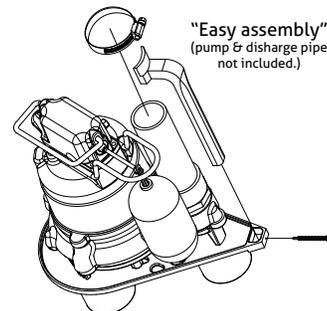
NOTE: Model 151 has a plastic base. Models 152 & 153 have a cast iron base.

### SELECTION GUIDE

- For automatic, use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
- See FM1228 for correct model of simplex control panel.
- See FM0712 for correct model of duplex control panel.

#### OPTIONAL PUMP STAND P/N 10-2421

- Reduces potential clogging by debris
  - Replaces rocks or bricks under the pump
  - Made of durable, noncorrosive ABS
  - Raises pump 2" (5 cm) off bottom of basin
  - Provides the ability to raise intake by adding sections of 1½" or 2" (DN40 or DN50) PVC piping
  - Attaches securely to pump
  - Accommodates sump, dewatering and effluent applications
- NOTE: Make sure float is free from obstruction.



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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