

SERIES 160/4160

Commercial Sump
and Effluent Pumps



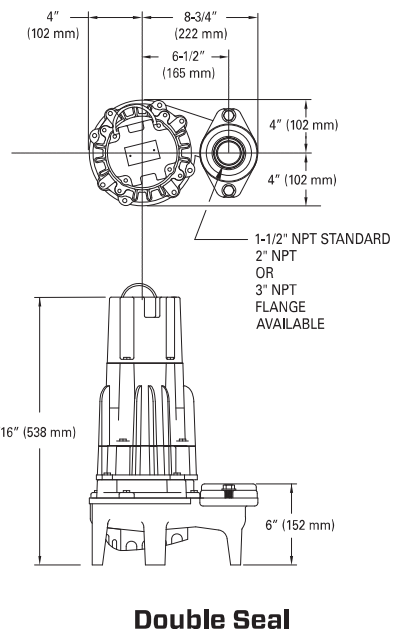
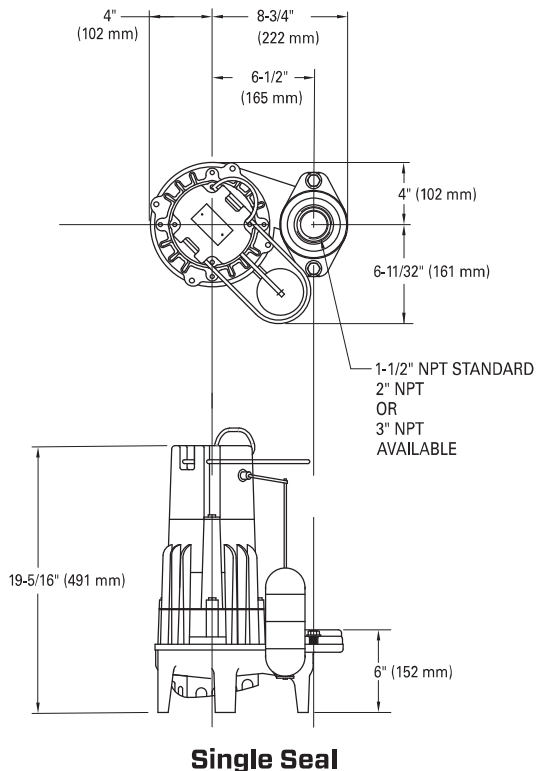
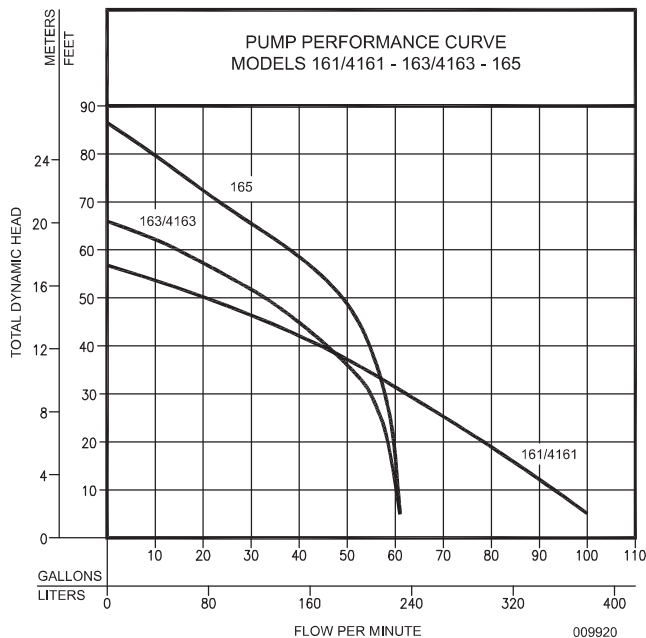
HIGH HEAD FLOW-MATE

Effluent or dewatering submersible pump for septic systems, low pressure pipe (LPP and enhanced flow STEP systems).



Features:

- Durable, cast iron constructed switch case, base, motor and pump housing
- Non-clogging vortex impeller design
- No screens to clog
- Automatic units available with float-operated, submersible, 2-pole mechanical switch
- Models 4161 & 4163 double seal pumps available (60 Hz, non-automatic only)
- 1 year limited warranty
- cCSAus certification to UL 778 and CSA 108
- * Available in explosion & Dust-Ignition Proof for Hazardous Locations. (See FM 3407)



MOTOR	Horse Power	1/2 (161/4161, 163/4163) or 1 (165)
	Voltage	115 - 460
	Phase	1 or 3 Ph
	Hertz	60 Hz
	RPM	3450
	Type	Permanent split capacitor or 3 Ph
	Insulation	Class B
	Amps	2.4 - 15.5
PUMP	Operation	Automatic or nonautomatic
	Auto On/Off Points	15-3/4" (400 mm) / 5-1/4" (133 mm)
	Discharge Size	1-1/2" NPT (optional 2" or 3" flange)
	Solids Handling	3/4" (19 mm) spherical solids
	Cord Length	20' (6 m) standard
	Cord Type	1 Ph: UL listed 3-wire neoprene cord and plug or 3 Ph: 4-wire with no plug
	Max. Head	86.5' (26 m)
	Max. Flow Rate	100 GPM (379 LPM)
MATERIALS	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload (1 Ph)
	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon and ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Cast iron
	Hardware	Stainless steel
	Motor Shaft	SAE 1117 carbon steel or 416 stainless steel*
	Gasket	Neoprene square ring and gasket

* no molded plug (1) cCSAus approved unit available with 20 Amp plug.
(2) CSA approved unit with 15 Amp plug.

Additional cords lengths are available in 25' (8 m), 35' (11 m), and 50' (15 m).