



zoellerpumps.com

Trusted. Tested. Tough.®



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.

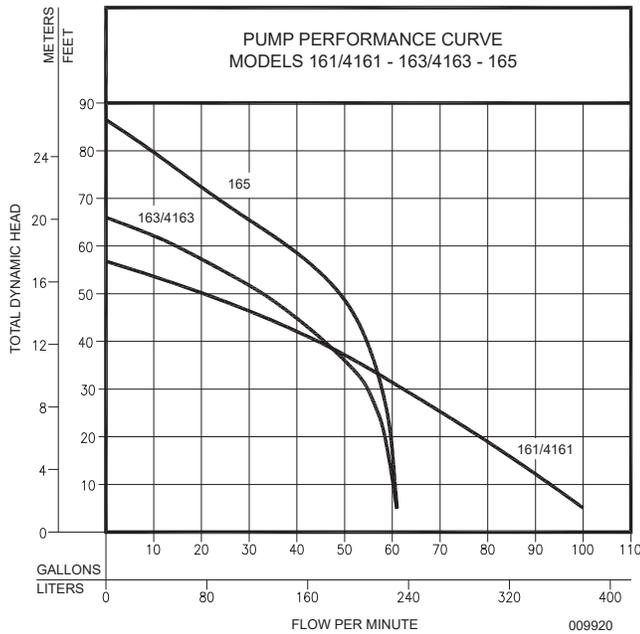


Zoeller Family of Water Solutions™

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FEATURES:

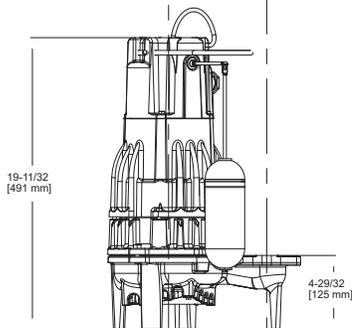
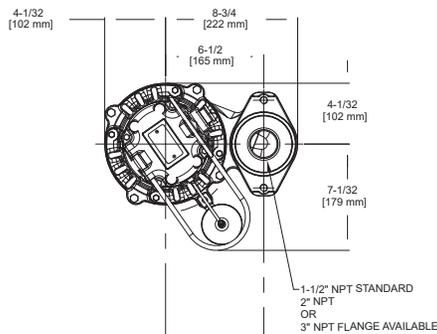
- Durable, cast iron constructed switch case, base, motor and pump housing
- Non-clogging vortex impeller design
- No screens to clog
- Automatic units available with float-operated, submersible, 2-pole mechanical switch
- Models 4161 & 4163 double seal pumps available (60 Hz, non-automatic only)
- 1 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
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)
Max. Operating Temp.		130 °F (54 °C)
Cooling	Oil filled	
Motor Protection	Auto reset thermal overload (1 Ph)	
MATERIALS	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	

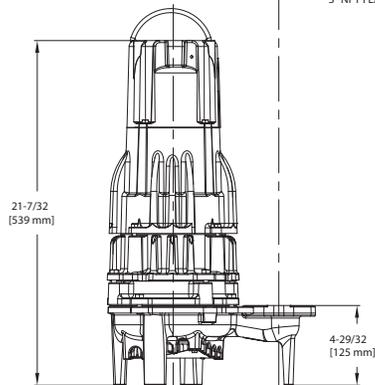
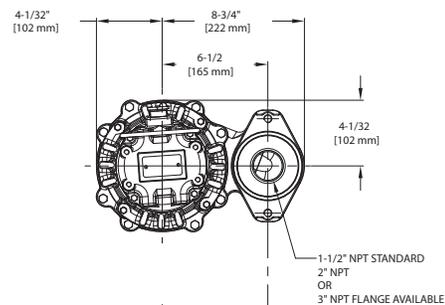
* no molded plug (1) cCSAus approved unit available with 20 Amp plug. (2) CSA approved unit with 15 Amp plug.

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



Single Seal

SK374



Double Seal

SK1413

FM3406
1225
Supersedes
0524