

MODELS 2763, 2765, 2767

PRODUCT FEATURES

3~7-1/2 HP Grinder Pumps - Dual Seal

60 Hz

visit our web site:
zoellerpumps.com

APPLICATIONS

- Low pressure sewer systems
- High head sewage systems
- Domestic, commercial, wastewater and sewage

MATERIAL FEATURES

PUMP:

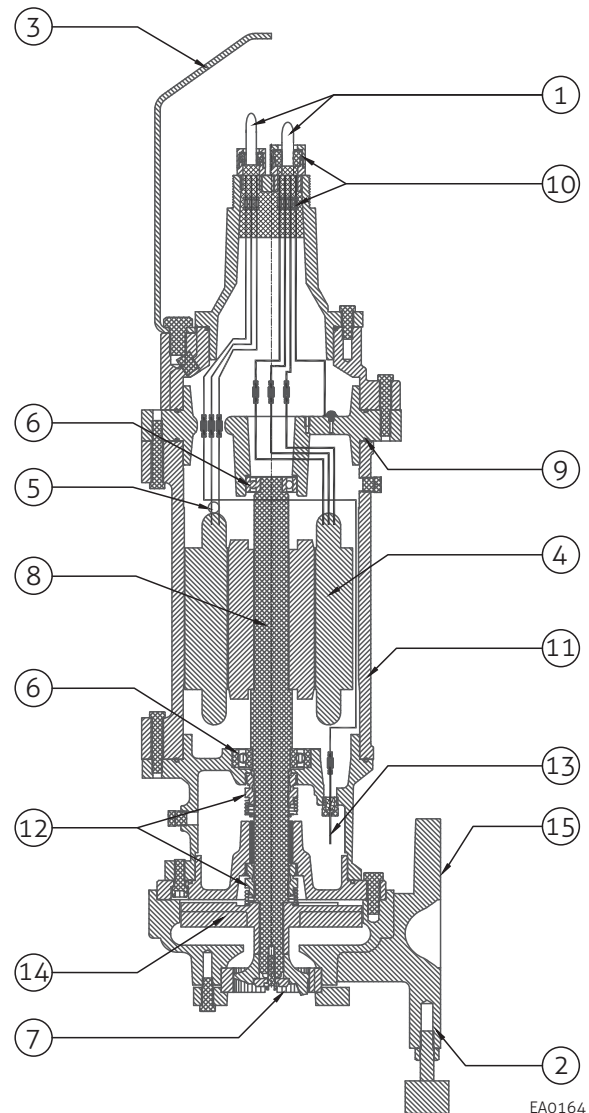
- Hardened 440 stainless steel (Rockwell 55-60) shredding ring and cutter
- 3" horizontal flange
- Tandem carbon / ceramic & SIC / SIC mechanical seal for longer pump life in challenging applications
- Moisture probes for leak detection (requires circuit in control panel to function) to signal the need for preventive maintenance
- Thermal sensor (requires an appropriately configured control panel)
- Cast iron ASTM A48 Class 30
- Attaching hardware - 304 stainless steel
- The cord seal is epoxy-potted for superior moisture resistance and anti-wicking
- Ductile iron impeller for superior quality and long life

MOTOR:

- 3450 RPM
- 3 Phase - 230/380 Volt
- Stator - Class F insulation and lead wires Nema B design
- Oil-filled motor for better cooling and lubrication
- Moisture probe for leak detection
- Housing - cast iron
- Power and sensor cable length - 30' (9 m)
- Ball bearings - upper and lower high carbon chromium steel

FEATURES

1. 30' (9 m) power and sensor cable.
2. Cast iron support legs enable the pump to be free-standing.
3. Stainless steel lifting bail.
4. Stator - Class F insulation and lead wires Nema B design.
5. Thermal sensor protection (three phase) mounted directly on the windings to protect against overheating
6. Upper and lower high carbon chromium steel ball bearings.
7. Stainless steel shredding ring and cutter hardened to Rockwell 55-60.
8. Stainless steel shaft and hardware resist corrosion.
9. Buna-N O ring seals.
10. Triple sealed design compression grommet - outer jacket seal epoxy potted - inner conductor seal.
11. Cast iron ASTM A48 Class 30 strength.
12. Tandem seals. Carbon/rotating, ceramic/stationary upper, silicon carbide/silicon carbide lower, Buna-N elastomers.
13. Moisture-detection system with lower probes protect the motor from liquid entry.
14. Semi - open vortex impeller design, fully balanced with integral pump-out vane to clear debris.
15. 3" horizontal flange discharge. Concentric pump housing with centerline discharge reduces radial loading for longer bearing and shaft seal life.



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TECHNICAL DATA

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MODELS:	☐ 2763	☐ 2765	☐ 2767
PUMP NAME PLATE HORSEPOWER:	3	5	7-1/2
MAXIMUM KW INPUT:	5.1	6.6	7.9
STANDARD IMPELLER DIAMETER:	5.252" (133.4 mm)	6" (152.4 mm)	6.535" (166 mm)
DISCHARGE SIZE:	3" horizontal flange	3" horizontal flange	3" horizontal flange

IMPELLER TYPE:	SEMI-OPEN	TANDEM SEALS:	STANDARD
CUTTER & PLATE:	440 C SS HARDENED TO ROCKWELL 55-60	MOTOR DESIGN LETTER:	NEMA B (3 PH)
PUMP NET WEIGHT:	203 lbs. (92 kg)	POWER CORD LENGTH: ft (m) (30' [9 m] STANDARD)	☐ 50' (15.2 m)
O RINGS:	Buna-N	POWER CORD:	10 GAUGE STW (2767 230 V) 12 GAUGE SJTW (2763, 2765 230 V) 14 GAUGE STOW (2763, 2765, 2767 380 V)
MOTOR SHAFT:	SS410	STATOR & LEAD WIRES INSULATION:	CLASS F
RPM:	3450	MAXIMUM STATOR TEMPERATURE:	311 °F (155 °C)
MOTOR TYPE:	SUBMERSIBLE		

SHAFT SEAL CONSTRUCTION:	STANDARD	CARBON/CERAMIC UPPER SILICON CARBIDE/SILICON CARBIDE LOWER
	OPTIONAL UPPER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES*	MOTOR THERMAL SHUTOFF	THERMAL CUT-OUT
	MOISTURE DETECTION	MOISTURE SENSING PROBES
IMPELLER MATERIAL	2763, 2765, 2767	STANDARD DUCTILE IRON
IMPELLER TRIM:	☐ OPTIONAL	DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____"
MAXIMUM WATER TEMPERATURE:		104 °F (40 °C) Continuous, 140 °F (60 °C) Intermittent

*Requires a circuit in control panel to function.

MODEL	HP	☐ 230V / 3 PH		☐ 380V / 3 PH	
		FLA	LRA	FLA	LRA
2763	3	15.5	--	9	--
2765	5	19	--	11	--
2767	7-1/2	22	--	13	--

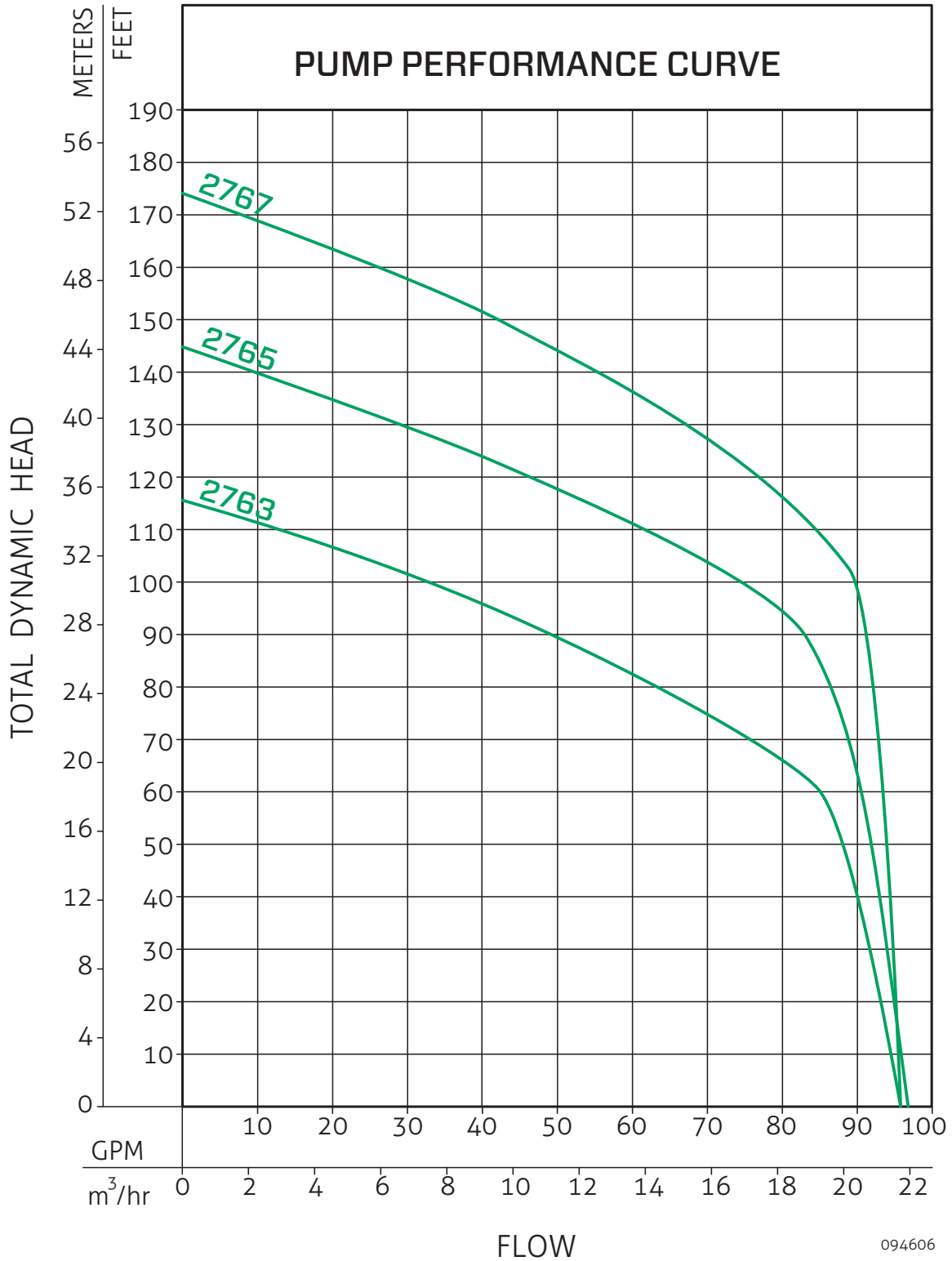
RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller® pump.

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PERFORMANCE CURVE

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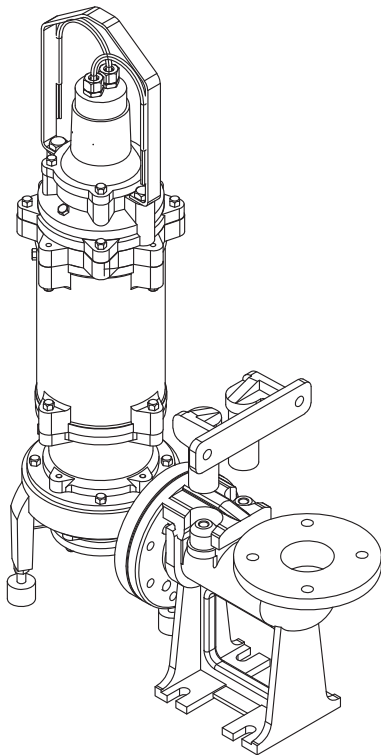
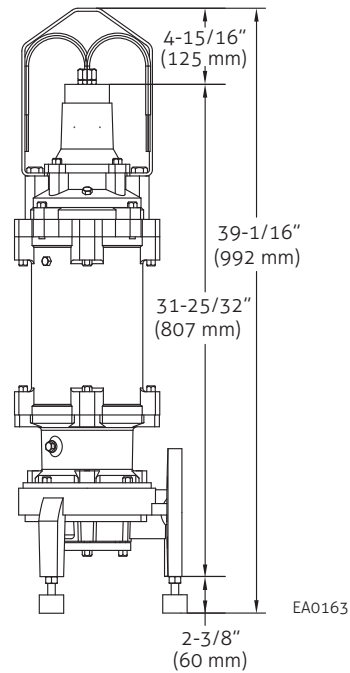
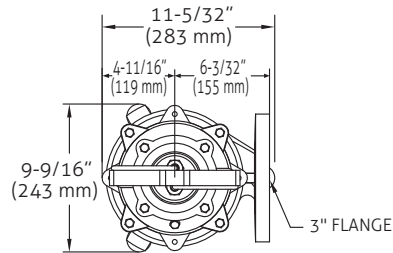


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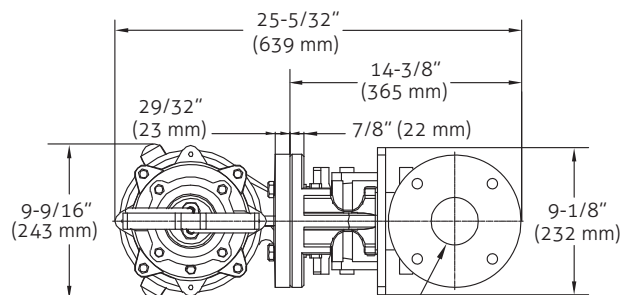
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DIMENSIONAL DRAWING

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2039-0001



HORIZONTAL DISCHARGE
ADAPTABLE 3" FLANGE

