

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

MODEL 2812

PRODUCT FEATURES

2 HP Grinder Pumps - Two Stage

60 Hz

visit our website:
zoellerpumps.com

APPLICATIONS

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

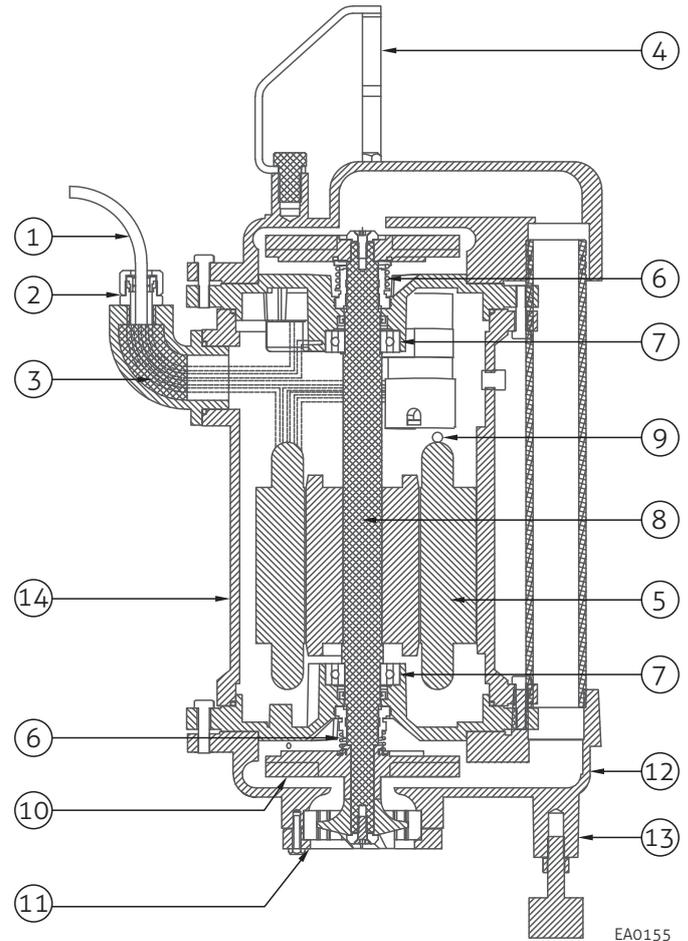
MATERIAL FEATURES

PUMP:

- Hardened 440 stainless steel (Rockwell 55-60) shredding ring and cutter
- 1-1/4" NPT discharge
- Both ends of the pump are protected by a single silicon carbide mechanical shaft seal with a back up lip seal
- Thermal overload protection is mounted directly on the windings to protect against overheating
- 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
- Optional: Trimmed impeller

MOTOR:

- 2 HP, 3450 RPM
- 1 Phase - 230 Volt
- Stator - Class B insulation and lead wires Nema B design
- Oil-filled motor for better cooling and lubrication
- Housing - cast iron
- Power cable length - 30' (9 m)
- Ball bearings - upper and lower high carbon chromium steel



FEATURES

1. 30' (9 m) power cord.
2. Heavy-duty cord connections.
3. The cord seal is epoxy-potted for superior moisture resistance and anti-wicking.
4. Stainless steel lifting bail.
5. Oil-filled motor housing ensures uniform heat distribution, lubricates bearings, and conducts heat for cooler running.
6. Single silicon carbide mechanical seals.
7. Upper and lower high carbon chromium steel ball bearings.
8. Stainless steel shaft and hardware resist corrosion.
9. Thermal sensor protection.
10. Ductile Iron impeller design, fully balanced with integral pump-out vane to clear debris.
11. Stainless steel shredding ring and cutter hardened to Rockwell 55-60.
12. Concentric pump housing with centerline discharge reduces radial loading for longer bearing and shaft seal life.
13. Cast iron support legs enable the pump to be free-standing.
14. Cast iron ASTM A48 Class 30 strength.

MODEL 2812

TECHNICAL DATA

2 HP Grinder Pumps - Two Stage

| | |
|------------------------------------|-------------------------------|
| MODELS: | <input type="checkbox"/> 2812 |
| PUMP NAME PLATE HORSEPOWER: | 2 |
| MAXIMUM KW INPUT: | 5 |
| STANDARD IMPELLER DIAMETER: | 5.335" (135.5 mm) |
| DISCHARGE SIZE: | 1-1/4" NPT |

| | | | |
|----------------------------|--|---|--|
| IMPELLER TYPE: | SEMI-OPEN | TANDEM SEALS: | STANDARD |
| CUTTER & PLATE: | 440 C SS HARDENED TO ROCKWELL 55-60 | MOTOR DESIGN LETTER: | NEMA B |
| PUMP NET WEIGHT: | 137 lbs. (62 kg) | POWER CORD LENGTH: ft (m) (30' [9 m] STANDARD) | <input type="checkbox"/> 50' (15.2 m) |
| O RINGS: | BUNA-N | POWER CORD: | 12 GAUGE SJTW |
| MOTOR SHAFT: | SS410 | STATOR & LEAD WIRES INSULATION: | CLASS B |
| RPM: | 3450 | MAXIMUM STATOR TEMPERATURE: | 266 °F (130 °C) |
| MOTOR TYPE: | SUBMERSIBLE | | |

| | | |
|------------------------------------|--|--|
| SHAFT SEAL CONSTRUCTION: | STANDARD | SILICON CARBIDE/SILICON CARBIDE |
| | OPTIONAL UPPER | <input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE |
| | OPTIONAL LOWER | <input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> SILICON CARBIDE/SILICON CARBIDE |
| STANDARD SENSING DEVICES:** | MOTOR THERMAL SHUTOFF | INTEGRAL ON-LEAD |
| IMPELLER MATERIAL: | 2812 | STANDARD DUCTILE IRON |
| IMPELLER TRIM: | <input type="checkbox"/> OPTIONAL | DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____" |
| MAXIMUM WATER TEMPERATURE: | 104 °F (40 °C) Continuous, 140 °F (60 °C) Intermittent | |

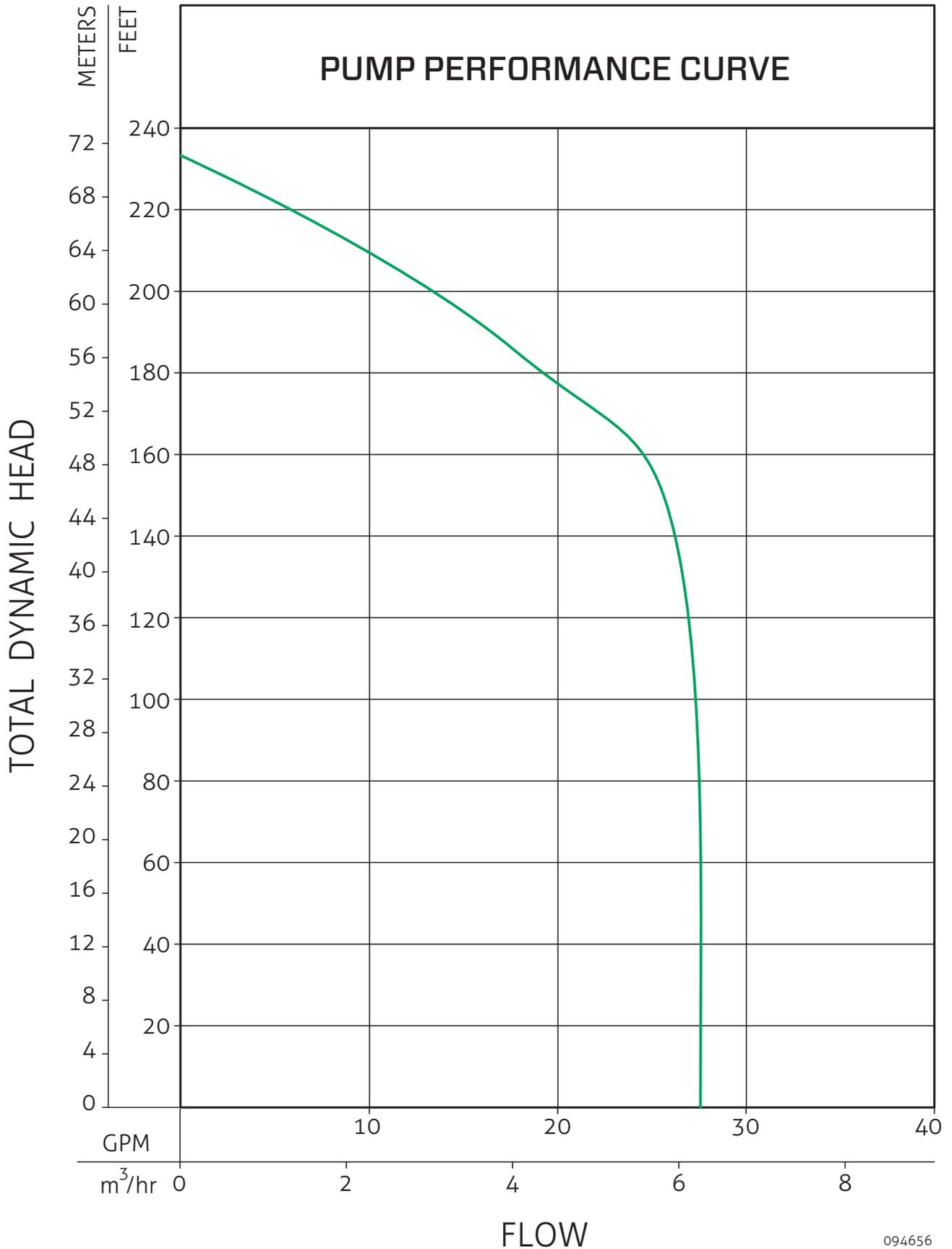
**Requires a circuit in control panel to function.

| | | | |
|--------------|-----------|---|------------|
| MODEL | HP | <input type="checkbox"/> 230V / 1 PH | |
| | | FLA | LRA |
| 2812 | 2 | 24 | -- |

RESERVE POWERED DESIGN

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

MODEL 2812
PERFORMANCE CURVE
2 HP Grinder Pumps - Two Stage

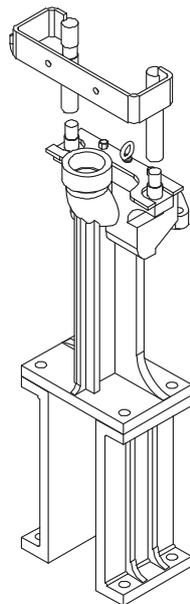
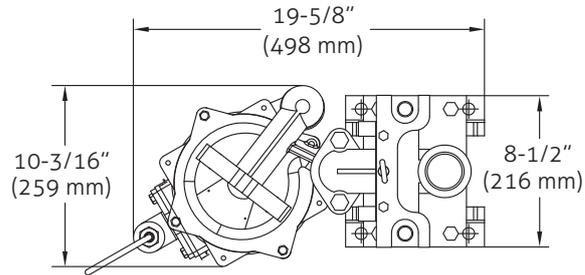
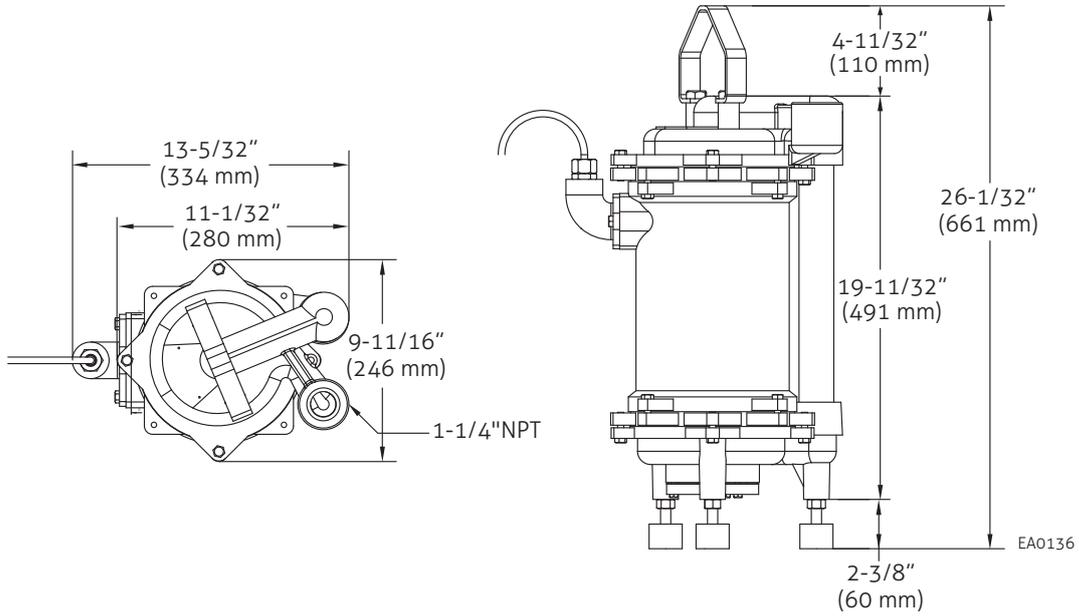


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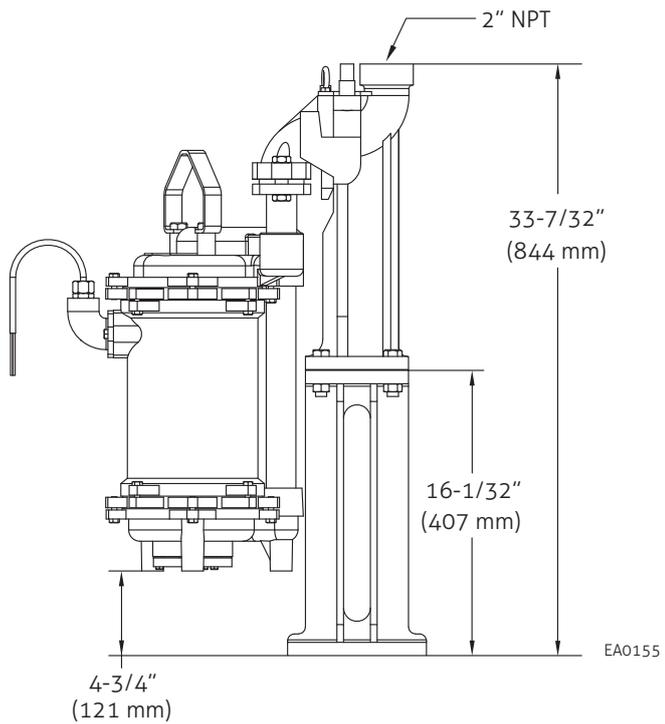
MODEL 2812

DIMENSIONAL DRAWING

2 HP Grinder Pumps - Two Stage



2039-0007



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MODEL 2812

PRODUCT FEATURES

2 HP Grinder Pumps - Two Stage

50 Hz

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APPLICATIONS

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

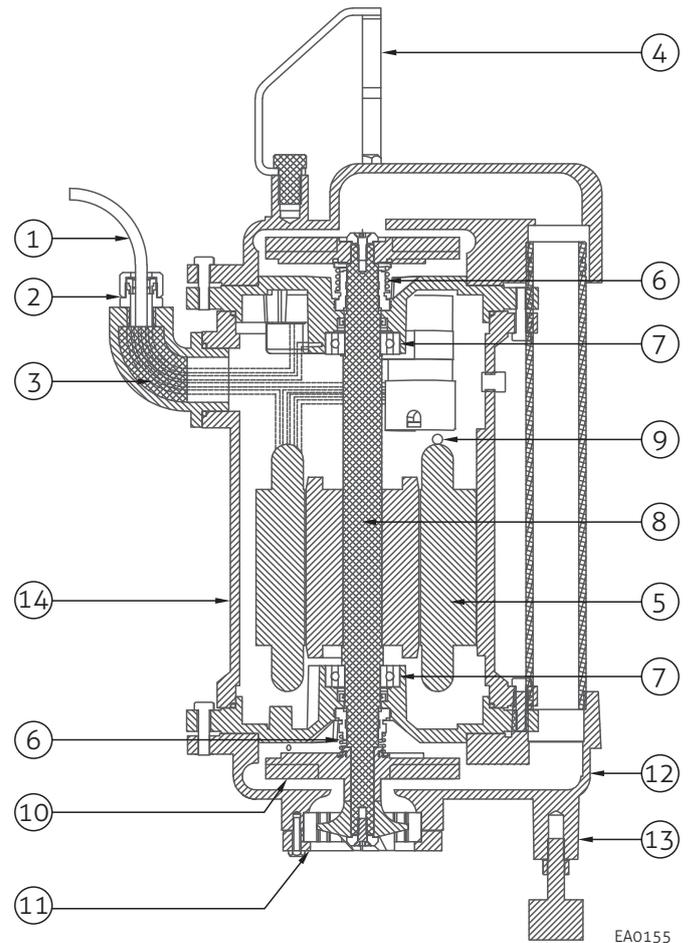
MATERIAL FEATURES

PUMP:

- Hardened 440 stainless steel (Rockwell 55-60) shredding ring and cutter
- 1-1/4" NPT discharge
- Both ends of the pump are protected by a single silicon carbide mechanical shaft seal with a back up lip seal
- Thermal overload protection for single phase is mounted directly on the windings to protect against overheating
- 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
- Optional: Trimmed impeller

MOTOR:

- 2 HP, 2850 RPM
- 1 Phase - 220/240 Volt, 3 Phase - 415 Volt
- Stator - Class B insulation and lead wires Nema B design
- Oil-filled motor for better cooling and lubrication
- Housing - cast iron
- Power cable length - 33' (10 m)
- Ball bearings - upper and lower high carbon chromium steel



FEATURES

1. 33' (10 m) power cord.
2. Heavy-duty cord connections.
3. The cord seal is epoxy-potted for superior moisture resistance and anti-wicking.
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MODEL 2812

TECHNICAL DATA

2 HP Grinder Pumps - Two Stage

| | |
|------------------------------------|--------------------------------|
| MODELS: | <input type="checkbox"/> 2812 |
| PUMP NAME PLATE HORSEPOWER: | 2 |
| MAXIMUM KW INPUT: | 1 PHASE: 4 kW, 3 PHASE: 3.6 kW |
| STANDARD IMPELLER DIAMETER: | 5.68" (144.5 mm) |
| DISCHARGE SIZE: | 1-1/4" NPT |

| | | | |
|----------------------------|--|--|--|
| IMPELLER TYPE: | SEMI-OPEN | SINGLE SEAL: | STANDARD |
| CUTTER & PLATE: | 440 C SS HARDENED TO ROCKWELL 55-60 | MOTOR DESIGN LETTER: | NEMA B |
| PUMP NET WEIGHT: | 137 lbs. (62 kg) | POWER CORD LENGTH: ft (m) (33' [10 m] STANDARD) | <input type="checkbox"/> 50' (15.2 m) |
| O RINGS: | BUNA-N | POWER CORD: | 1 PHASE: HO7RN-F 2.5 3 PHASE: HO7RN-F 1.5 |
| MOTOR SHAFT: | SS410 | STATOR & LEAD WIRES INSULATION: | CLASS B |
| RPM: | 2850 | MAXIMUM STATOR TEMPERATURE: | 266 °F (130 °C) |
| MOTOR TYPE: | SUBMERSIBLE | | |

| | | |
|-----------------------------------|--|---|
| SHAFT SEAL CONSTRUCTION: | STANDARD | SILICON CARBIDE/SILICON CARBIDE |
| | OPTIONAL UPPER | <input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> CARBON/CERAMIC |
| | OPTIONAL LOWER | <input type="checkbox"/> CARBON /SILICON CARBIDE <input type="checkbox"/> CARBON/CERAMIC |
| STANDARD SENSING DEVICES:* | MOTOR THERMAL SHUTOFF | 1 PHASE: INTEGRAL ON-LEAD, 3 PHASE: N/A |
| IMPELLER MATERIAL: | 2812 | STANDARD DUCTILE IRON |
| IMPELLER TRIM: | <input type="checkbox"/> OPTIONAL | DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____" |
| MAXIMUM WATER TEMPERATURE: | | 104 °F (40 °C) Continuous, 140 °F (60 °C) Intermittent |

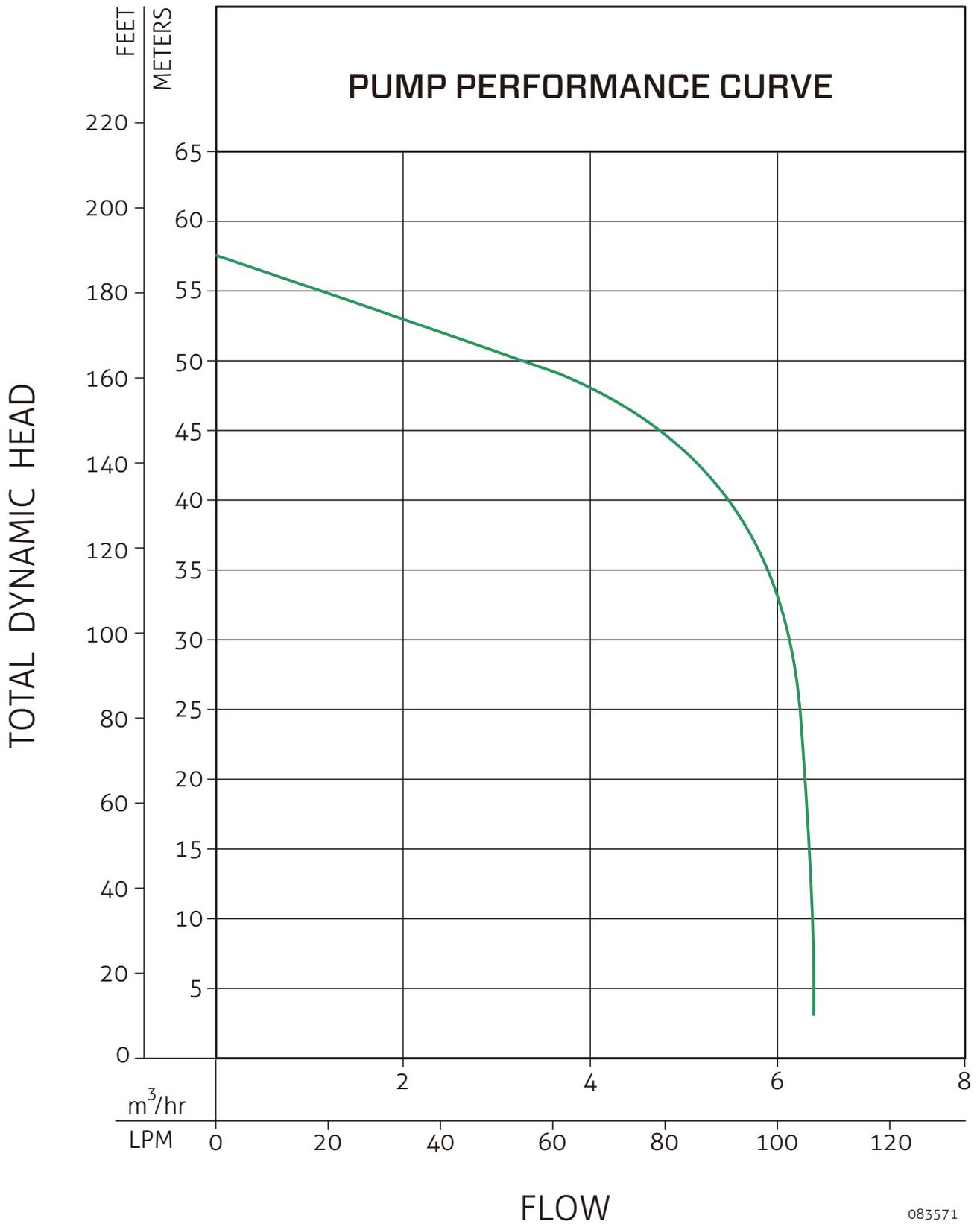
*Requires a circuit in control panel to function.

| MODEL | HP | <input type="checkbox"/> 220V / 1 PH | | <input type="checkbox"/> 240V / 1 PH | | <input type="checkbox"/> 415V / 3 PH | |
|-------|----|--------------------------------------|-----|--------------------------------------|-----|--------------------------------------|-----|
| | | FLA | LRA | FLA | LRA | FLA | LRA |
| 2812 | 2 | 19 | -- | 18 | -- | 6 | -- |

RESERVE POWERED DESIGN

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

MODEL 2812
PERFORMANCE CURVE
2 HP Grinder Pumps - Two Stage

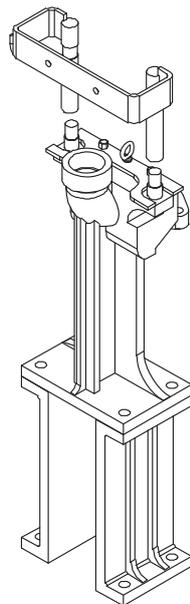
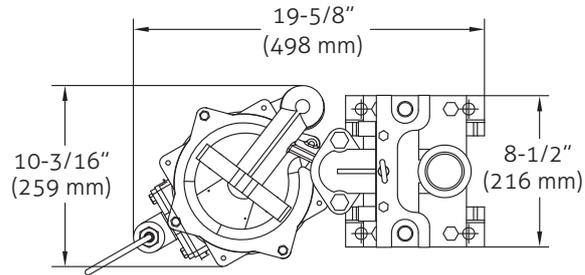
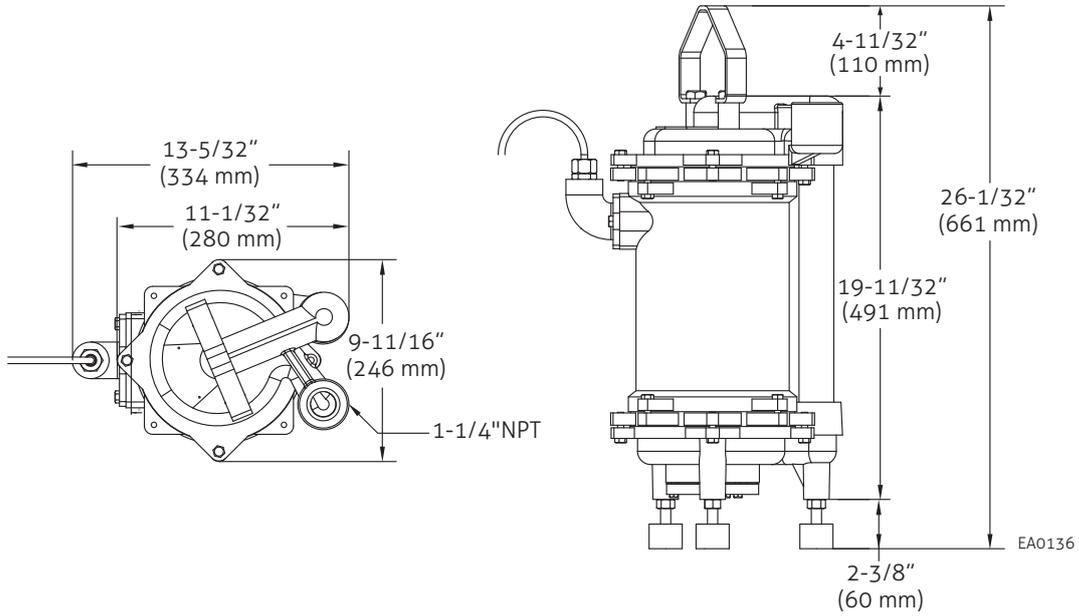


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MODEL 2812

DIMENSIONAL DRAWING

2 HP Grinder Pumps - Two Stage



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