

MODEL 2702

PRODUCT FEATURES

1 HP Grinder Pumps

60 Hz

visit our website:
zoellerpumps.com

APPLICATIONS

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

MATERIAL FEATURES

PUMP:

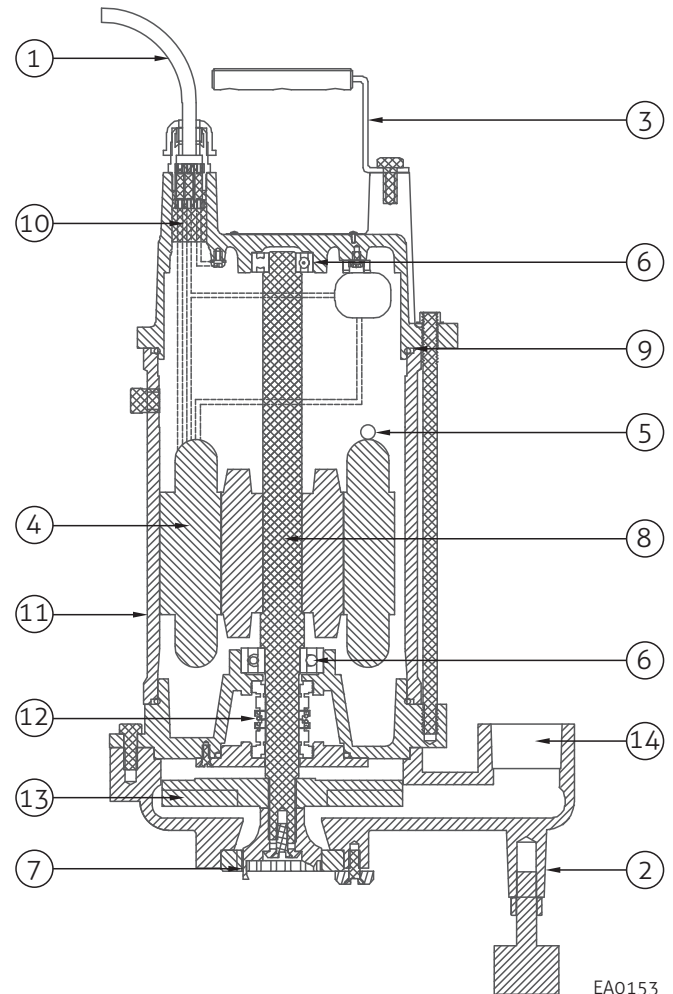
- Hardened 440 stainless steel (Rockwell 55-60) shredding ring and cutter
- 1-1/4" NPT discharge
- Double carbon / ceramic mechanical seal
- Thermal overload is mounted directly on the windings in the single phase models for maximum temperature sensing
- Cast iron ASTM A48 Class 30
- Attaching hardware - 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:

- 1 HP, 3450 RPM
- 1 Phase - 220/230 Volt
- Stator - Class B insulation and lead wires Nema B design
- Oil-filled motor for better cooling and lubrication
- Integral thermal overload
- Housing - cast iron
- 30' (9 m) power cord
- Ball bearings - upper and lower high carbon chromium steel

FEATURES

1. 30' (9 m) power cord.
2. Cast iron support legs enable the pump to be free-standing.
3. Stainless steel lifting bail.
4. Stator - Class B insulation and lead wires Nema B design. Class B motor insulation is double-dipped and baked.
5. Thermal sensor protection 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. Double carbon / ceramic mechanical seal.
13. Semi-open impeller design, fully balanced with integral pump-out vane to clear debris.
14. 1-1/4" NPT discharge. Concentric pump housing with centerline discharge reduces radial loading for longer bearing and shaft seal life.



MODEL 2702

TECHNICAL DATA

1 HP Grinder Pumps

| | |
|------------------------------------|---------------------------------------|
| MODELS: | <input type="checkbox"/> 2702 |
| MODE: | NON-AUTO |
| PUMP NAME PLATE HORSEPOWER: | 1 |
| MAXIMUM KW INPUT: | 2.9 |
| STANDARD IMPELLER DIAMETER: | 4.961" (126 mm) |
| DISCHARGE SIZE: | 1-1/4" NPT / 2" HORIZONTAL (OPTIONAL) |

| | | | |
|----------------------------|-------------------------------------|---|--|
| IMPELLER TYPE: | SEMI-OPEN | DOUBLE SEALS: | STANDARD |
| CUTTER & PLATE: | 440 C SS HARDENED TO ROCKWELL 55-60 | MOTOR DESIGN LETTER: | NEMA B |
| PUMP NET WEIGHT: | 75 lbs. (34 kg) | POWER CORD LENGTH: ft (m) (30' [9 m] STANDARD) | <input type="checkbox"/> 50' (15.2 m) |
| O RINGS: | BUNA-N | POWER CORD: | 14 GAUGE SJTW |
| MOTOR SHAFT: | SS410 | STATOR & LEAD WIRES INSULATION: | CLASS B |
| RPM: | 3450 | MAXIMUM STATOR TEMPERATURE: | 266 °F (130 °C) |
| MOTOR TYPE: | SUBMERSIBLE | | |

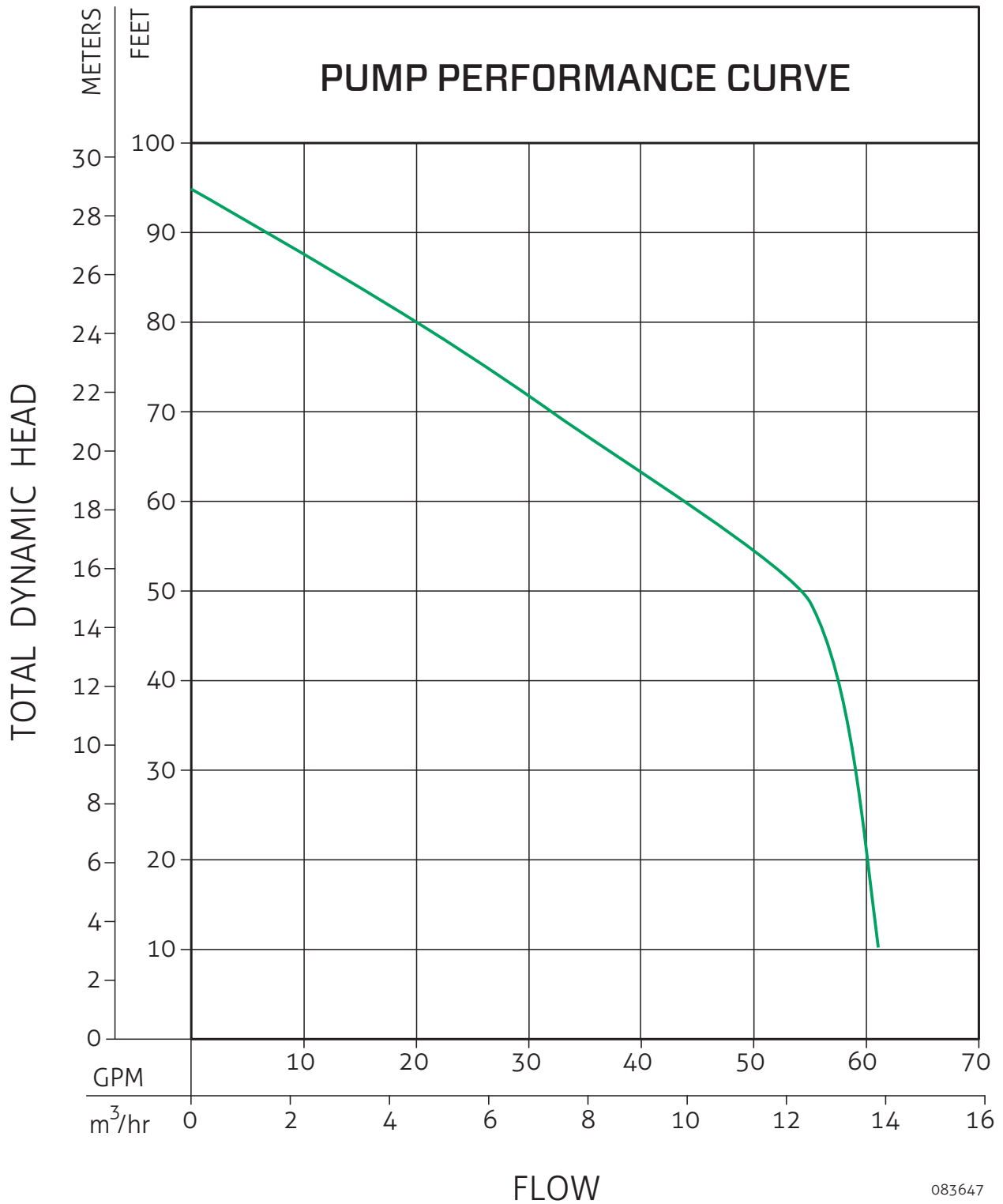
| | | |
|-----------------------------------|--|---|
| SHAFT SEAL CONSTRUCTION: | STANDARD | CARBON/CERAMIC |
| STANDARD SENSING DEVICES: | MOTOR THERMAL SHUTOFF | INTEGRAL ON-LEAD |
| IMPELLER MATERIAL: | 2702 | STANDARD DUCTILE IRON |
| IMPELLER TRIM: | <input type="checkbox"/> OPTIONAL | DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____" |
| MAXIMUM WATER TEMPERATURE: | | 104 °F (40 °C) Continuous, 140 °F (60 °C) Intermittent |

| MODEL | HP | <input type="checkbox"/> 220V / 1 PH | | <input type="checkbox"/> 230V / 1 PH | |
|-------|----|--------------------------------------|-----|--------------------------------------|-----|
| | | FLA | LRA | FLA | LRA |
| 2702 | 1 | 13 | 53 | 13 | 53 |

RESERVE POWERED DESIGN

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

MODEL 2702
PERFORMANCE CURVE
1 HP Grinder Pumps

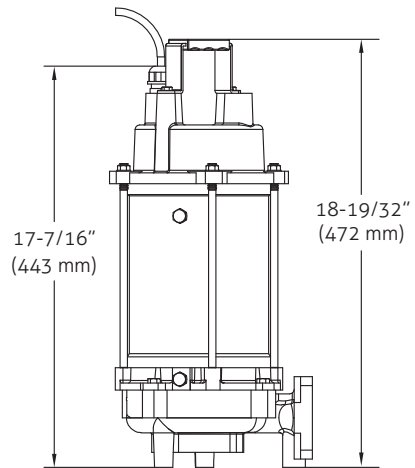
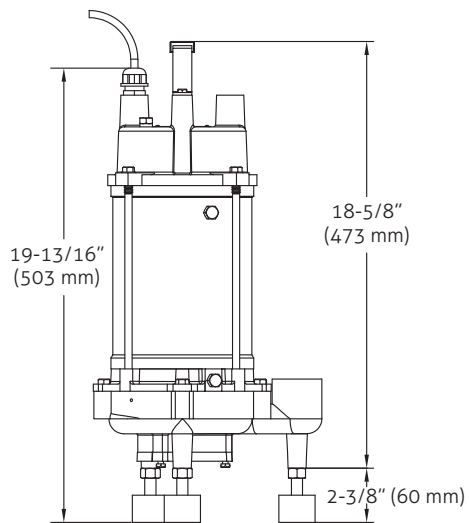
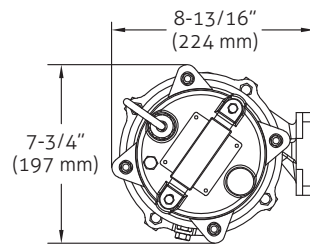
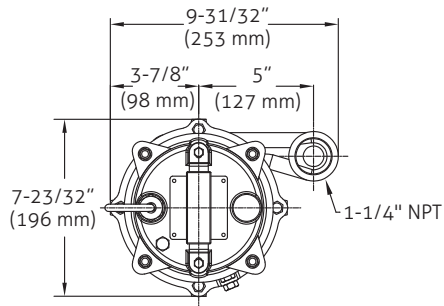


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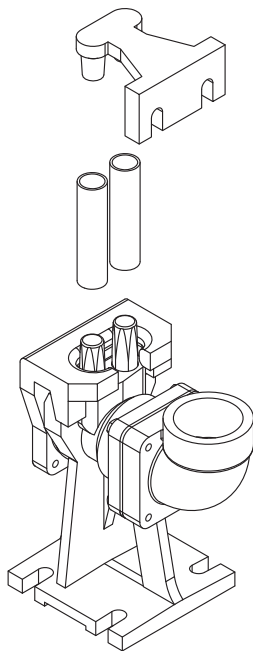
MODEL 2702

DIMENSIONAL DRAWING

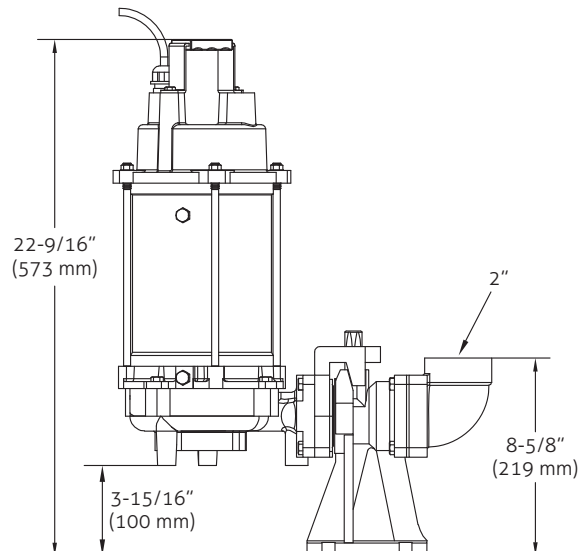
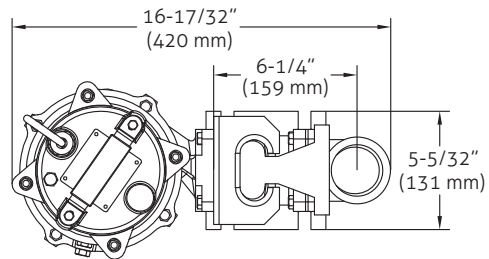
1 HP Grinder Pumps



EA0122



2039-0004 (NPT)
2039-0008 (BSPT)



EA0152

MODEL 2702

PRODUCT FEATURES

1 HP Grinder Pumps

50 Hz

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APPLICATIONS

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MATERIAL FEATURES

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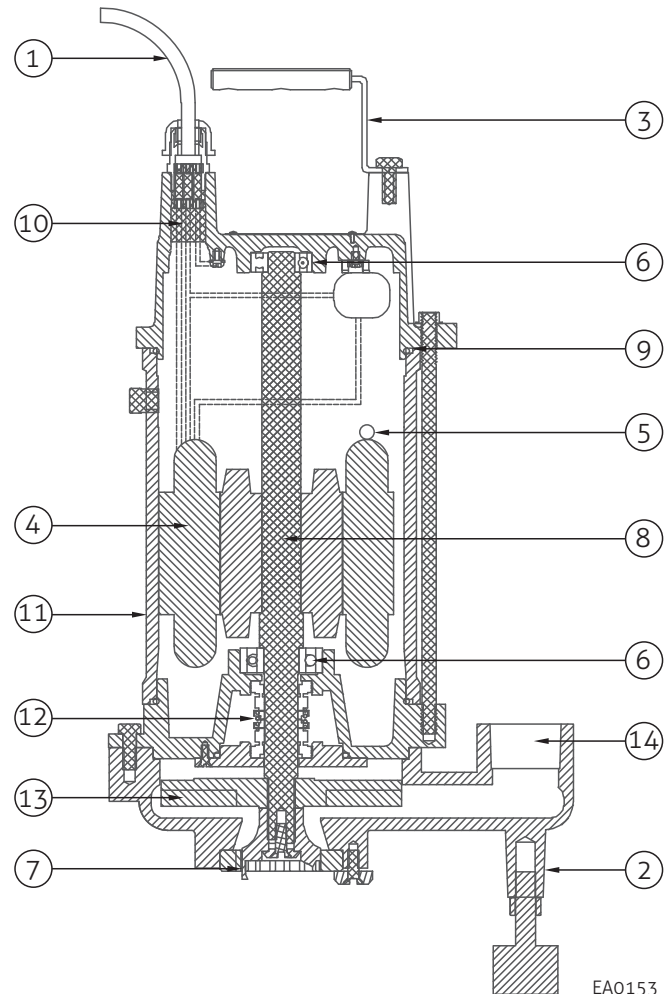
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- 1-1/4" NPT discharge
- Double carbon / ceramic mechanical seal
- Thermal overload is mounted directly on the windings in the single phase models for maximum temperature sensing
- Cast iron ASTM A48 Class 30
- Attaching hardware - 304 stainless steel
- The cord seal is epoxy-potted for superior moisture resistance and anti-wicking
- Ductile iron impeller for superior quality and long life

MOTOR:

- 1 HP, 2850 RPM
- 1 Phase - 220 Volt
- Stator - Class B insulation and lead wires Nema B design
- Oil-filled motor for better cooling and lubrication
- Integral thermal overload
- Housing - cast iron
- 33' (10 m) power cord
- Ball bearings - upper and lower high carbon chromium steel

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TECHNICAL DATA

1 HP Grinder Pumps

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|------------------------------------|---------------------------------------|
| MODELS: | <input type="checkbox"/> 2702 |
| MODE: | NON-AUTO |
| PUMP NAME PLATE HORSEPOWER: | 1 |
| MAXIMUM KW INPUT: | 2.2 |
| STANDARD IMPELLER DIAMETER: | 5.4" (137.2 mm) |
| DISCHARGE SIZE: | 1-1/4" NPT / 2" HORIZONTAL (OPTIONAL) |

| | | | |
|----------------------------|-------------------------------------|--|--|
| IMPELLER TYPE: | SEMI-OPEN | DOUBLE SEALS: | STANDARD |
| CUTTER & PLATE: | 440 C SS HARDENED TO ROCKWELL 55-60 | MOTOR DESIGN LETTER: | NEMA B |
| PUMP NET WEIGHT: | 75 lbs. (34 kg) | POWER CORD LENGTH: ft (m) (33' [10 m] STANDARD) | <input type="checkbox"/> 50' (15.2 m) |
| O RINGS: | BUNA-N | POWER CORD: | H07RN-F 1.0 |
| MOTOR SHAFT: | SS410 | STATOR & LEAD WIRES INSULATION: | CLASS B |
| RPM: | 2850 | MAXIMUM STATOR TEMPERATURE: | 266 °F (130 °C) |
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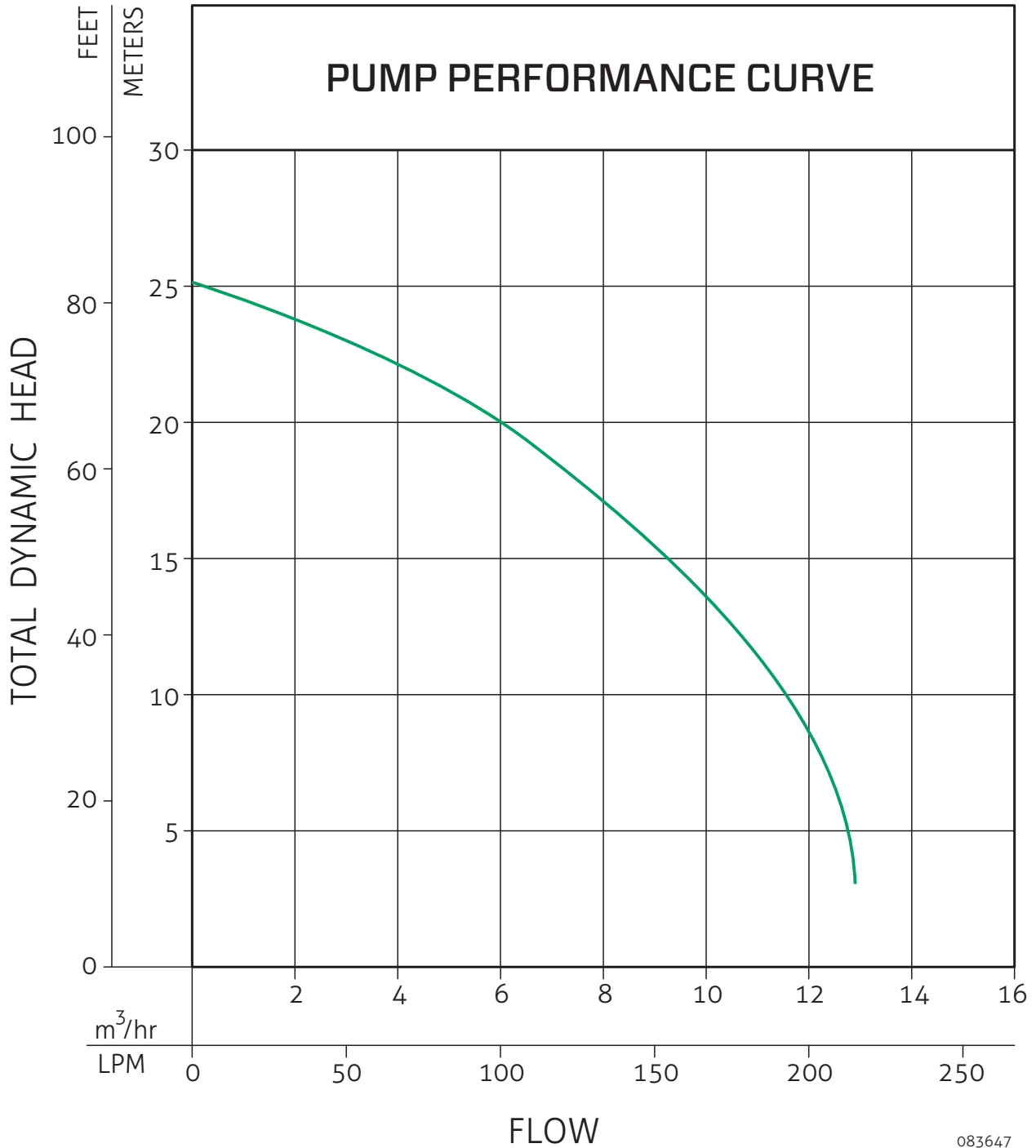
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| STANDARD SENSING DEVICES: | MOTOR THERMAL SHUTOFF | INTEGRAL ON-LEAD |
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| IMPELLER TRIM: | <input type="checkbox"/> OPTIONAL | DESIGN POINT: ____ GPM @ ____' TDH, IMPELLER DIA. ____" |
| MAXIMUM WATER TEMPERATURE: | | 104 °F (40 °C) Continuous, 140 °F (60 °C) Intermittent |

| MODEL | HP | <input type="checkbox"/> 220V / 1 PH | |
|-------|----|--------------------------------------|-----|
| | | FLA | LRA |
| 2702 | 1 | 10 | -- |

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

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PERFORMANCE CURVE
1 HP Grinder Pumps

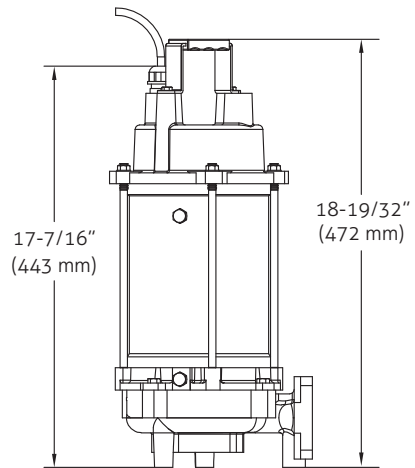
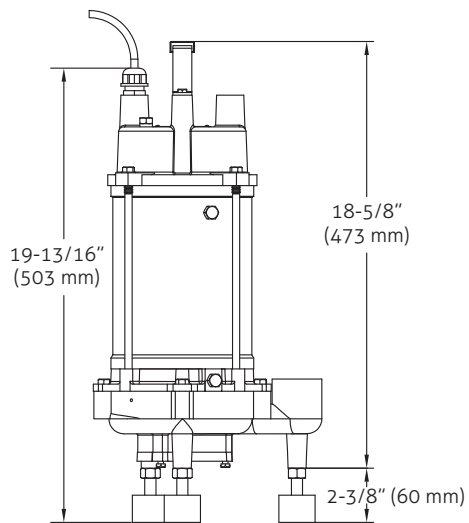
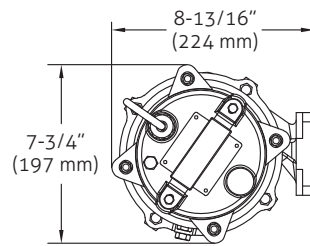
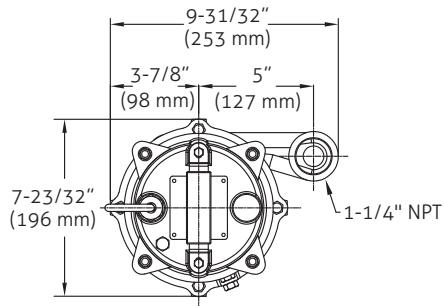


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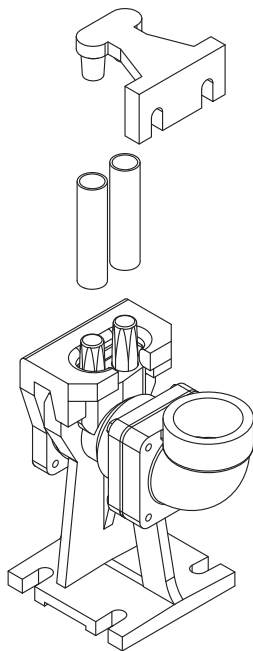
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DIMENSIONAL DRAWING

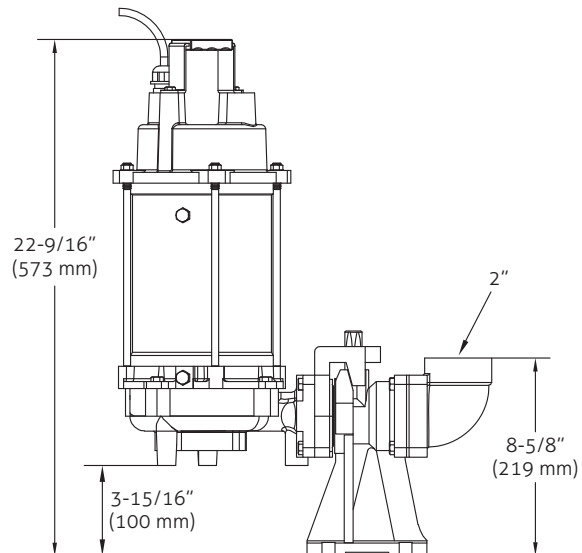
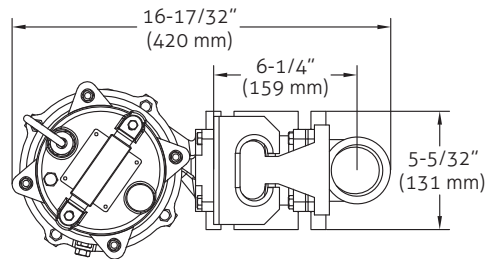
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