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SECTION: 2.20.100

FM1624

1217

Supersedes

0205

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



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MODELS 611 - 661 SPECIFICATION SHEET 3" VERTICAL DISCHARGE UNITS



APPLICATIONS

- Pumping Station
- Storm Water Removal
- All Wastewater Removal
- Industrial Waste



SPECIFICATIONS

PUMP:

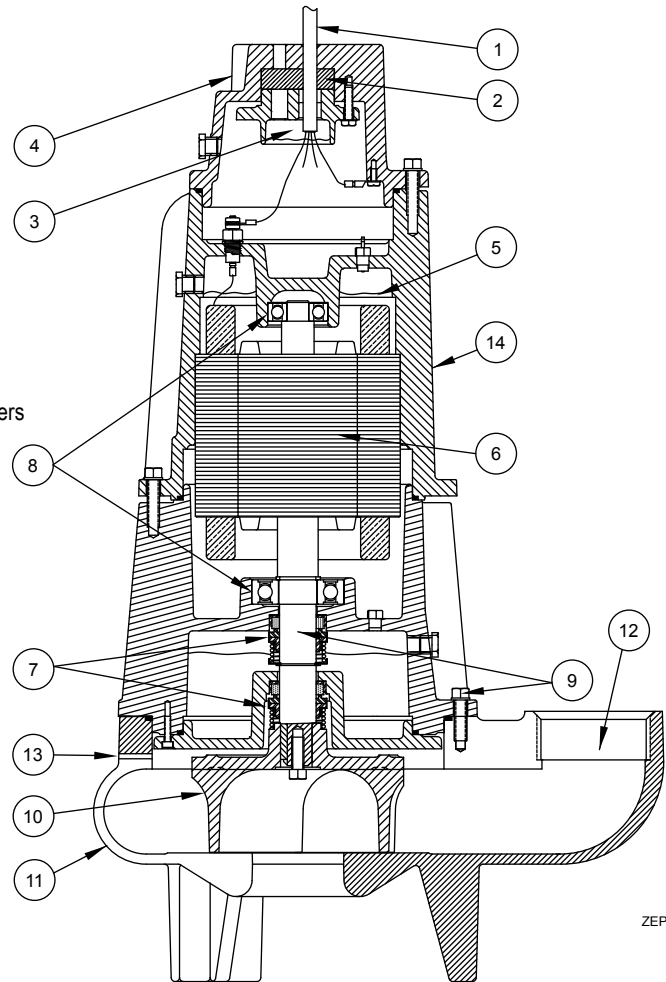
- Solids - 2½" spherical capability
- Discharge Size - 3" NPT vertical
- Seals - dual mechanical carbon/rotary, ceramic/stationary, buna-n elastomers
- Construction - Cast Iron ASTM A-48, Class 30, 30,000# tensile strength, protected with a 2-part corrosion resistant powder coated epoxy finish.
- Attaching Hardware - 304 stainless steel
- "O" Ring Elastomers - Buna-N
- Ductile Iron Impeller - 2 blade semi-open with top pump out vanes
- Optional: Additional Cord Length _____
 Rail systems

MOTOR:

- 1 Phase - 230 Volt, 1725 RPM
- 3 Phase - 200/230/460/575 Volt, 1725 RPM
- 1 thru 7½ HP
- Stator - Class F insulation and lead wires Nema B design
- Housing - Cast Iron, oil-filled
- Ball Bearings - Dual high carbon chromium steel
- Power Cable Length - 25'

FEATURES

1. 25' of extra heavy duty power cable.
2. Heavy wall and clamps for protection of cable assemblies from chafing at cable entrance.
3. Protected cable entrance. The compression grommet allows for field replacement of the cable and each conductor is individually sealed to eliminate cord wicking of liquids.
4. Lifting lugs integral part of housing (not shown).
5. Oil-filled motor housing assures uniform heat distribution, lubricates bearings, and conducts heat for cooler running.
6. Heavy duty motor features ball bearing construction. Class F motor insulation is double dipped and baked. End connections and lead wires are Class F. At maximum load, winding temperature will not exceed 250° with motor housing not submerged.
7. Dual independent seals. Carbon/rotating, ceramic/stationary, buna-n elastomers.
8. Upper and lower high carbon chromium steel ball bearings.
9. Stainless steel shaft and hardware resists corrosion.



ZEPA0465D

10. Balanced 2 vane semi-open impeller with top pump out vanes for seal protection keyed and bolted to shaft.
11. Concentric case reduces radial loading for longer bearing and seal life.
12. 3" NPT vertical discharge.
13. Vent hole helps prevent air locking.
14. Entire unit protected with a 2-part corrosion resistant powder coated epoxy finish.

For additional information on Models 611 thru 661 series pumps, refer to catalog on Performance and Dimensional data, FM1591; Guide Specifications, FM1020; Owners Manual, FM1798; Replacement Parts List and Service Manual, FM1799.

For information on additional Zoeller products refer to catalog on Variable Control Switches, FM0526; Electrical Alternator, FM0486; Sump/Sewage Basins, FM0487; Alarm System, FM0732; Simplex Controls, FM1596; Rail Systems, FM0787; and Junction Boxes FM1597.

MODELS 611 - 661

SPECIFICATION SHEET

3" & 4" FLANGED HORIZONTAL DISCHARGE UNITS



APPLICATIONS

- Pumping Station
- Storm Water Removal
- All Wastewater Removal
- Industrial Waste

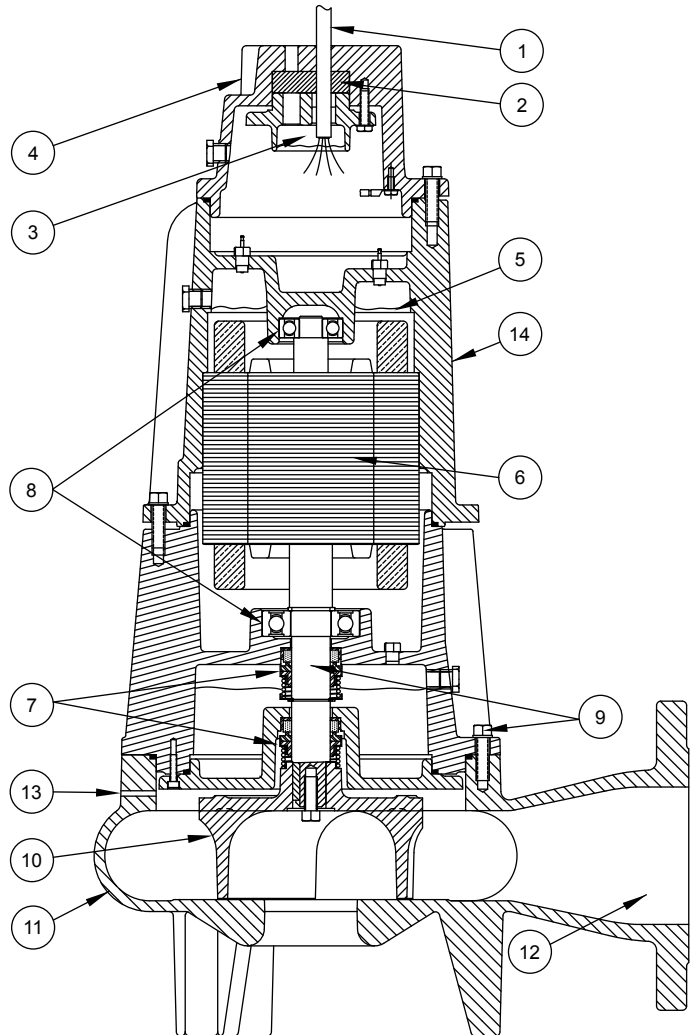
SPECIFICATIONS

PUMP:

- Solids - 2½" spherical capability
- Discharge Size - 3" or 4" horizontal flanged
- Seals - dual mechanical carbon/rotary, ceramic/stationary, buna-n elastomers
- Construction - Cast Iron ASTM A-48, Class 30, 30,000# tensile strength, protected with a 2-part corrosion resistant powder coated epoxy finish.
- Attaching Hardware - 304 stainless steel
- "O" Ring Elastomers - Buna-N
- Ductile Iron Impeller - 2 blade semi-open with top pump out vanes
- Optional: Additional Cord Length _____
 Rail systems

MOTOR:

- 1 Phase - 230 Volt, 1725 RPM
- 3 Phase - 200/230/460/575 Volt, 1725 RPM
- 1 thru 7½ HP
- Stator - Class F insulation and lead wires
Nema B design
- Housing - Cast Iron, oil-filled
- Ball Bearings - Dual high carbon chromium steel
- Power Cable Length - 25'



ZEPA0462D

FEATURES

1. 25' of extra heavy duty power cable.
2. Heavy wall and clamps for protection of cable assemblies from chafing at cable entrance.
3. Protected cable entrance. The compression grommet allows for field replacement of the cable and each conductor is individually sealed to eliminate cord wicking of liquids.
4. Lifting lugs integral part of housing (not shown).
5. Oil-filled motor housing assures uniform heat distribution, lubricates bearings, and conducts heat for cooler running.
6. Heavy duty motor features ball bearing construction. Class F motor insulation is double dipped and baked. End connections and lead wires are Class F. At maximum load, winding temperature will not exceed 250° with motor housing not submerged.
7. Dual independent seals. Carbon/rotating, ceramic/stationary, buna-n elastomers.
8. Upper and lower high carbon chromium steel ball bearings.
9. Stainless steel shaft and hardware resists corrosion.
10. Balanced 2 vane semi-open impeller with top pump out vanes for seal protection keyed and bolted to shaft.
11. Concentric case reduces radial loading for longer bearing and seal life.
12. 3" and 4" flanged horizontal discharge available.
13. Vent hole helps prevent air locking.
14. Entire unit protected with a corrosion resistant powder coated epoxy finish.

For additional information on Models 611 thru 661 series pumps, refer to catalog on Performance and Dimensional data, FM1591; Guide Specifications, FM1020; Owners Manual, FM1798; Replacement Parts List and Service Manual, FM1799.

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