

SECTION: Z5.40.100 ZM2439 0524 Supersedes 0823

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X62 HD HAZARDOUS LOCATION SERIES



3600 & 3615

CLASS I, DIVISION 1, GROUPS C & D CLASS I, ZONE 1, GROUPS IIA & IIB PRODUCT FEATURES 4" & 6" Flanged Discharge Units

APPLICATIONS:

- · Engineered lift stations
- Storm water removal
- Wastewater transfer
- Industrial wastewater
- Hazardous locations
- WARNING: Not for use in acidic atmospheres.

SPECIFICATIONS

PUMP:

- Solids 3" (76 mm) spherical capability
- Discharge size 4" & 6" horizontal flanged
- Seals dual mechanical silicon carbide / silicon carbide lower and carbon ceramic upper, Buna-N elastomers.
- Balanced concentric pump housing and impeller
- Construction Cast iron ASTM A-48, Class 30, 30,000# tensile strength, corrosion resistant powder coated epoxy finish
- Attaching hardware 304 stainless steel
- O-ring elastomers: Buna-N
- Impeller 2 blade semi-open Ductile Iron with top pump out vanes
- Moisture detection system
- Optional: Silicon carbide seal
 - ☐ Viton o-ring elastomers ☐ Vortex impeller
- ☐ 50' (15.2 m) Power and Sensor Cables Trimmed impeller
- ☐ Non-sparking rail systems **Inverter Duty Motors**
- (cCSAus certified with type VPWM inverter)

MOTOR:

- cCSAus rated Class I, Division 1, Groups C & D and Class I, Zone1, Groups IIA & IIB Construction
- Tested to FM standards 3600 & 3615 by CSA
- 1 Phase 230 Volt, 1750 RPM (5 and 7.5 BHP)
- 3 Phase 200/230/460 Volt, 1750 RPM
- 5 thru 20 BHP
- Stator Class F insulation and lead wires. NEMA B design
- Thermal sensor and leads
- Housing Class 30 cast iron, finned, oil-filled
- Ball Bearings upper and lower high carbon chromium steel
- Power cable length 25' (7.6 m)

FEATURES:

- 25' (7.6 m) of extra heavy duty power cable. 50' (15.2 m) optional
- 25' (7.6 m) sensor cable. 50' (15.2 m) optional
- Specially designed splices and potted cord entry system provides strain relief and prevents wicking of liquids into the housing.
- Lifting lugs integral part of housing (not shown)
- Oil-filled motor housing with finned casting assures uniform heat distribution, lubricates bearings, and conducts heat for cooler
- 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 °F (121 °C) with motor housing not submerged.
- Tandem seals. Silicon carbide / silicon carbide lower and carbon ceramic upper, Buna-N elastomers.
- Upper and lower high carbon chromium steel ball bearings Stainless steel shaft and hardware resists corrosion
- Patented moisture detection system with upper and lower probes, protecting the motor from liquid entry.

 Thermal sensor will deactivate pump if internal motor temperature
- reaches 250 °F (121 °C) when connected to panels.



- Balanced 2 vane semi-open impeller with top pump out vanes for seal protection keyed and bolted to shaft. Recessed vortex design also available as an option. Concentric volute reduces radial loading for longer bearing and
- shaft seal life. 4" or 6" flanged horizontal discharge
- Vent hole helps prevent air lockin
- Entire unit protected with a corrosion resistant powder coated epoxy finish 2-1/2" male NPT conduit connection

For additional information on the X62 HD Series pumps, refer to catalog on performance information, ZM2440; dimensional data information, ZM2531 and ZM2532; guide specifications, ZM2535; and owner's manual, 7M2454.

For information on additional Zoeller products refer to catalog on rail systems and lifting cable, ZM1347; control panels, ZM1342; float switches, and switch brackets, ZM1328; valves and piping accessories, ZM1348.

