

X160 Series



Features

This series of submersible pumps is designed for use in residential or commercial dewatering and effluent applications in Class I, Division 1, Group C and D environments. Each pump is FM/CSA approved and features innovative motor and electrical enclosures that are designed to reduce the risk of vapor ignition both inside and outside the pump. Should vapors inside the electrical enclosures become ignited, the enclosures are engineered to contain the event and prevent escalation. Each pump is constructed of hardware that will allow it to operate safely and efficiently in extreme conditions. As with every Zoeller pump, each one is 100% factory tested to ensure quality and reliability for years of trouble-free performance!

- Automatic models are available with an optional seal failure panel (P/N 10-1031).
- Nonautomatic units require a Zoeller control panel with intrinsically safe relays and a moisture indicator.
- Surface temperature code T5 (1 Ph) or T6 (3 Ph).
- Includes a stainless steel lifting bracket for easy installation and removal.
- All models are hermetically sealed to be watertight, dust-tight, and completely submersible.

Reserve Powered Design: For unusual conditions, a reserve safety factor is engineered into the design of every pump.

Specifications

Motor Characteristics

Motor	1/2 - 1 HP
Voltage	115 - 575 V
Phase	1 or 3 Ph
Hertz	60 Hz
RPM	3450 RPM
Type	Permanent split capacitor or 3 phase
Insulation	Class B
Amps	2.4 - 15.5 Amps

Pump Characteristics

Operation	Automatic or nonautomatic
Auto On/Off Points	19-1/2" / 9-3/4" (49.5 cm / 24.8 cm)
Discharge Size	1-1/2" NPT (optional 2" or 3" flange available)
Solids Handling	3/4" (19 mm) spherical solids
Cord Length	20' (6 m) standard
Cord Type	UL listed, 5-wire (1 Ph) or 8-wire (3 Ph) SOOW cord
Max Head	86.5' (26 m)
Max Flow Rate	100 GPM (379 LPM)
Max Operating Temp	104° F (40° C)
Cooling	Oil filled
Motor Protection	Auto reset thermal overload (1 Ph) or thermal sensor (3 Ph)

Materials Characteristics

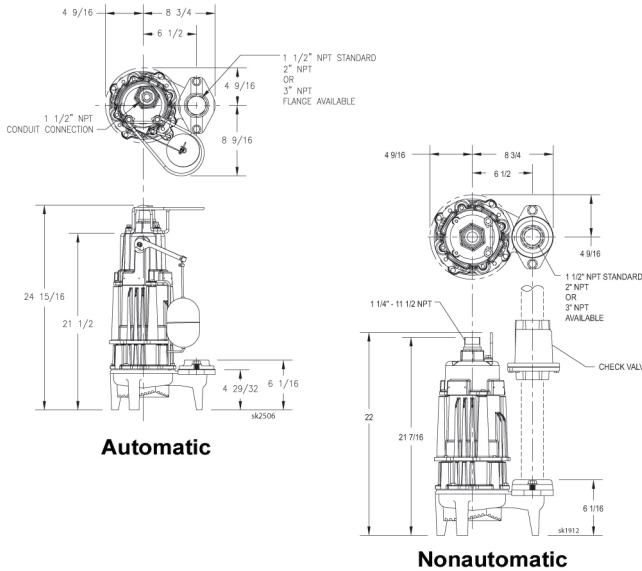
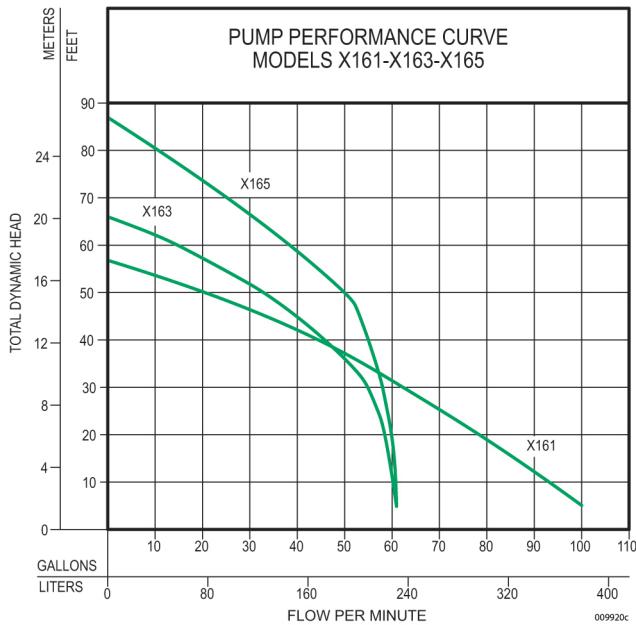
Cap	Cast iron
Motor Housing	Cast iron
Pump Housing	Cast iron
Base	Cast iron
Upper Bearing	Ball bearing
Lower Bearing	Ball bearing
Mechanical Seals	Carbon and ceramic with stainless steel parts
Impeller Type	Non-clogging vortex
Impeller	Bronze
Hardware	Stainless steel or brass
Motor Shaft	416 stainless steel



PUMP COMPANY

Zoeller Family of Water Solutions™

X160 Series



Model

Model Number	Seal	Mode	Volts	Phase	Amps	HP	Hz	Lbs	Kg
MX161	Single	Auto	115	1	15.5	1/2	60	123	55
NX161	Single	Non	115	1	15.5	1/2	60	114	51
DX161	Single	Auto	230	1	7.5	1/2	60	123	55
EX161	Single	Non	230	1	7.5	1/2	60	114	51
HX161	Single	Auto	200	1	8.8	1/2	60	123	55
IX161	Single	Non	200	1	8.8	1/2	60	117	53
JX161	Single	Non	200	3	6.4	1/2	60	117	53
FX161	Single	Non	230	3	5.2	1/2	60	117	53
GX161	Single	Non	460	3	2.9	1/2	60	117	53
BAX161	Single	Non	575	3	2.4	1/2	60	117	53
MX163	Single	Auto	115	1	15.0	1/2	60	123	55
NX163	Single	Non	115	1	15.0	1/2	60	114	51
DX163	Single	Auto	230	1	7.5	1/2	60	123	55
EX163	Single	Non	230	1	7.5	1/2	60	117	53
HX163	Single	Auto	200	1	8.5	1/2	60	123	55
IX163	Single	Non	200	1	8.5	1/2	60	117	53
JX163	Single	Non	200	3	6.0	1/2	60	117	53
FX163	Single	Non	230	3	4.8	1/2	60	117	53
GX163	Single	Non	460	3	2.9	1/2	60	117	53
BAX163	Single	Non	575	3	2.4	1/2	60	117	53
DX165	Single	Auto	230	1	10.2	1	60	124	56
EX165	Single	Non	230	1	10.2	1	60	114	51
HX165	Single	Auto	200	1	12.6	1	60	124	56
IX165	Single	Non	200	1	12.6	1	60	117	53
JX165	Single	Non	200	3	7.5	1	60	117	53
FX165	Single	Non	230	3	7.4	1	60	117	53
GX165	Single	Non	460	3	3.7	1	60	117	53
BAX165	Single	Non	575	3	3.0	1	60	117	53

Additional cord lengths are available in 25' (8 m), 35' (11 m) and 50' (15 m).

Automatic units Patent No. 8,535,014

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