quality . service
innovation . integrity

140 Series

"The color green is a registered trademark of Zoeller Pump Co."

Features

The "Flow-Mate" series of submersible pumps is designed for use in residential or light commercial dewatering applications and can be used to transfer groundwater or effluent. These durable cast iron pumps include a powder coated epoxy finish to prevent corrosion and are designed to provide great heat dissipation from the motor, ensuring a long service life. As with every Zoeller pump, each one is 100% pressure-tested, submerged and run to ensure quality and reliability for years of trouble-free performance! This attention to detail is an inherent feature of every pump in this series, making it one of the most reliable in the industry.

- Ideal for use in septic systems, low pressure pipe (LPP), and enhanced flow STEP system applications.
- Variable level control systems and containers of various sizes are available for longer cycles.
- Double seal models are available to improve bearing lubrication and prevent leaks and damage to seals or bearings during dry run conditions.
- 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	3/4 - 1 HP
Voltage	115 or 230 V
Phase	1 Ph
Hertz	60 Hz
RPM	3450 RPM
Type	Permanent split capacitor
Insulation	Class B
Amps	6.0 - 13.0 Amps

Pump Characteristics

Operation	Automatic or nonautomatic
Discharge Size	1-1/2" NPT
Solids Handling	140/4140: 1/2" (13 mm), 145/4145: 3/4" (19 mm) spherical solids
Cord Length	20' (6 m) standard
Cord Type	UL listed, neoprene cord with molded plug cap and ground wire
Max Head	50' (15.2 m) or 74' (22.6 m)
Max Flow Rate	86 GPM (326 LPM) or 61 GPM (232 LPM)
Max Operating Temp	130 °F (54 °C)
Cooling	Oil filled
Motor Protection	Auto reset thermal overload

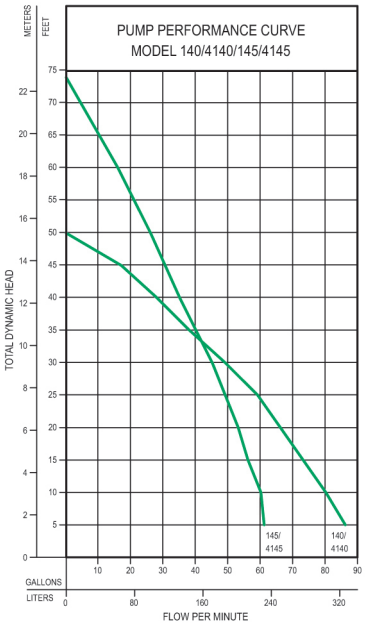
Materials Characteristics

Cap	Cast iron
Motor Housing	Cast iron
Pump Housing	Cast iron
Base	Cast iron
Upper Bearing	Sleeve bearing
Lower Bearing	Ball bearing
Mechanical Seals	Carbon and ceramic
Impeller Type	Single vane or non-clogging vortex
Impeller	Engineered thermoplastic
Hardware	Stainless steel
Motor Shaft	JIS S45C steel
Gasket	Neoprene

60 Hz

ZOELLER® PUMP COMPANY
Zoeller Family of Water Solutions™

140 Series



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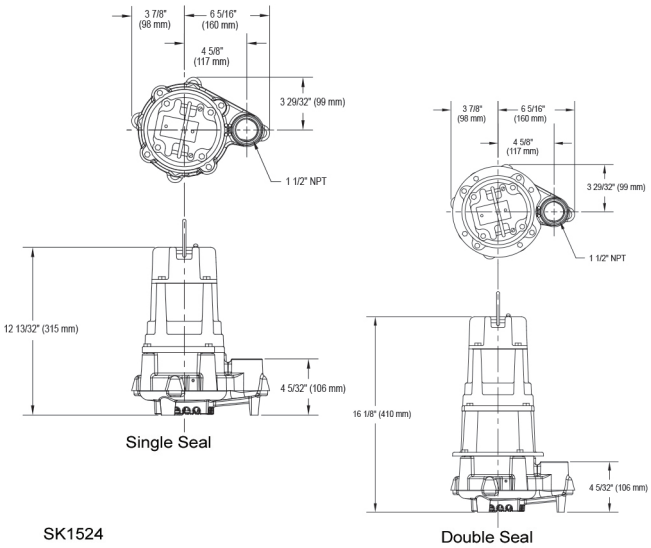

SK1524

Model

Model Number	Seal	Mode	Volts	Phase	Amps	HP	Hz	Lbs	Kg
N140	Single	Non	115	1	12.0	1	60	46	21
E140	Single	Non	230	1	6.0	1	60	46	21
BN140	Single	Auto	115	1	12.0	1	60	47	21
BE140	Single	Auto	230	1	6.0	1	60	47	21
E145	Single	Non	230	1	6.0	3/4	60	54	24
N145	Single	Non	115	1	13.0	3/4	60	54	24
BN145	Single	Auto	115	1	13.0	3/4	60	55	25
N4140	Double	Non	115	1	12.0	1	60	65	29
E4140	Double	Non	230	1	6.0	1	60	65	29
BN4140	Double	Auto	115	1	12.0	1	60	66	30
BE4140	Double	Auto	230	1	6.0	1	60	66	30
N4145	Double	Non	115	1	13.0	3/4	60	63	29
BN4145	Double	Auto	115	1	13.0	3/4	60	64	29

BN and BE models include a 20' (6 m) piggyback variable level pump switch.

Additional cord lengths are available in 15' (5 m), 25' (8 m), 35' (11 m) and 50' (15 m).

Your Peace of Mind is Our Top Priority®
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