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SECTION: 2.25.070
FM2799
1119
Supersedes
0519



TECHNICAL DATA SHEET

MODEL 840/841/842

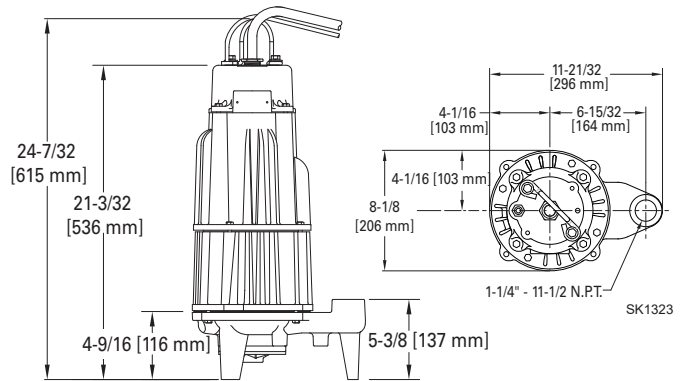
DUAL SEAL GRINDER PUMPS

Pump Systems And Controls

PRODUCT SPECIFICATIONS

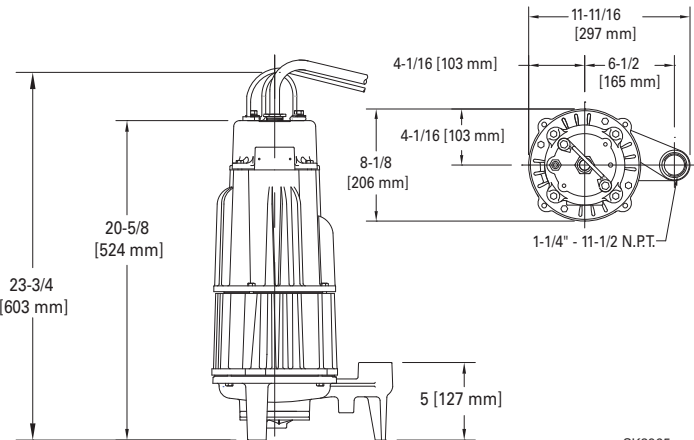
MOTOR	Horse Power	2
	Voltage	200 - 575
	Phase	1 or 3 Ph
	Hertz	60 Hz
	RPM	3450
	Type	Capacitor start / capacitor run or 3 Ph
	Insulation	Class F
	Amps	4.5 - 20.0
PUMP	Operation	Nonautomatic
	Discharge Size	1-1/4" NPT vertical
	Cord Length	20' (6 m) standard
	Cord Type	SOW or SOOW, multi-wire neoprene
	Max. Head	125' (38.1 m)
	Max. Flow Rate	59 GPM (223 LPM)
	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
MATERIALS	Motor Protection	Auto reset thermal overload (1 Ph), thermal sensor (3 Ph)
	Cap	Cast iron
	Motor Housing	Cast iron
	Adapter	Cast iron
	Pump Housing	Cast iron
	Upper Bearing	Ball bearing
	Lower Bearing	Ball bearing
	Mechanical Seals	Carbon/ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Ductile iron
	Hardware	Stainless steel 304
	Motor Shaft	Stainless steel 416
	Square Rings	Neoprene
	Cutter	Hardened stainless steel, Rockwell C55-60

Model 840 (Reversing Grinder Pump)



SK1322

Models 841/842 (Single Direction Grinder Pumps)



SK2365

NOTE: See model comparison chart for specific details.



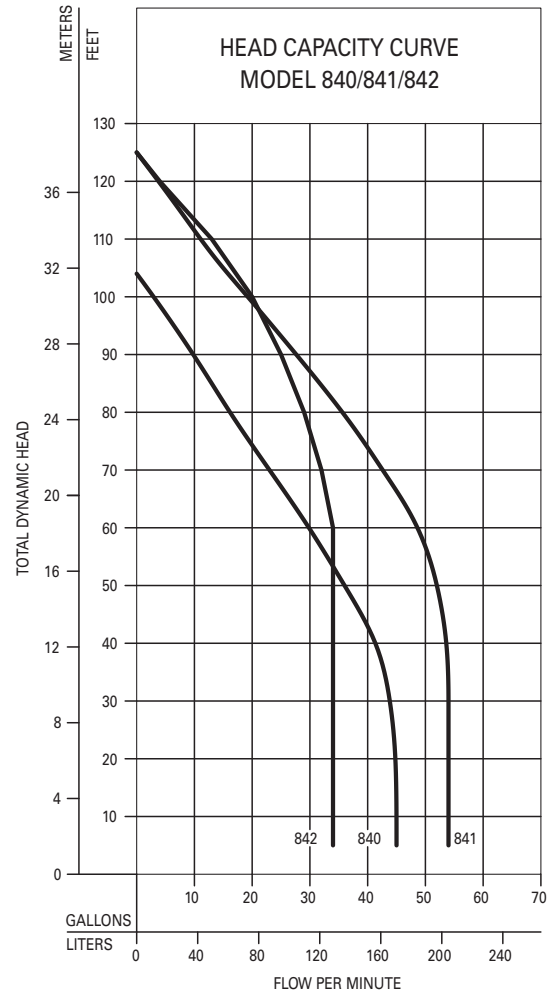
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TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL		840		841		842	
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	45	170	54	204	34	129
10	3.0	45	170	54	204	34	129
20	6.1	45	170	54	204	34	129
30	9.1	44	167	54	204	34	129
40	12.2	42	159	54	204	34	129
50	15.2	36	136	52	197	34	129
60	18.3	30	114	49	185	34	129
70	21.3	23	87	43	163	32	121
80	24.4	16	61	36	136	29	110
90	27.4	10	38	28	106	25	95
100	30.5	3	11	19	72	20	76
110	33.5	--	--	11	42	13	49
120	36.6	--	--	4	15	4	15
Shut-off Head:		104 ft (31.7 m)		125 ft (38.1 m)		125 ft (38.1 m)	

016532



Model	MODEL COMPARISON				
	Volts	Ph	Amps	Lbs	Kg
E840	230	1	17.2	137	62
I840	200	1	20.0	137	62
F840	230	3	10.8	132	60
J840	200	3	12.3	132	60
G840	460	3	5.5	132	60
BA840	575	3	4.5	132	60
I841	200	1	20.0	137	61
E841	230	1	17.2	137	61
J841	200	3	12.3	132	61
F841	230	3	10.8	132	61
G841	460	3	5.5	132	61
BA841	575	3	4.5	132	61
I842	200	1	20.0	137	61
E842	230	1	17.2	137	61
J842	200	3	12.3	132	61
F842	230	3	10.8	132	61
G842	460	3	5.5	132	61
BA842	575	3	4.5	132	61

NOTE: All models are double seal, nonautomatic, 2 HP, and 60 Hz.

- Action can be manual or automatic.
- Panel required for automatic reversing action, thermal sensors and moisture probes.

Model 841 and 842 Electrical Data and Control Panel Selections

Models	Weight	Volts	Phase	HP	Amps	*Start Pak	**NEMA 4X Control Panels	
							Simplex	Duplex
I841	137 lb's (62.1 Kg)	200	1	2	20.0	10-0380	10-1650	10-1652
E841	137 lb's (62.1 Kg)	230	1	2	17.2	10-0380	10-1650	10-1652
J841	132 lb's (59.8 Kg)	200	3	2	12.3	Not Required	10-1097	10-1125
F841	132 lb's (59.8 Kg)	230	3	2	10.8	Not Required	10-1097	10-1125
G841	132 lb's (59.8 Kg)	460	3	2	5.5	Not Required	10-1094	10-1122
BA841	132 lb's (59.8 Kg)	575	3	2	4.5	Not Required	10-1146	10-1168
I842	137 lb's (62.1 Kg)	200	1	2	20.0	10-0380	10-1650	10-1652
E842	137 lb's (62.1 Kg)	230	1	2	17.2	10-0380	10-1650	10-1652
J842	132 lb's (59.8 Kg)	200	3	2	12.3	Not Required	10-1097	10-1125
F842	132 lb's (59.8 Kg)	230	3	2	10.8	Not Required	10-1097	10-1125
G842	132 lb's (59.8 Kg)	460	3	2	5.5	Not Required	10-1094	10-1122
BA842	132 lb's (59.8 Kg)	575	3	2	4.5	Not Required	10-1146	10-1168

** Control Panels include Seal Leak Indication, Visual and Audible High Water Alarm and Dry Contacts. Single Phase Control Panels include Capacitors and Start Relay.



All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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