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



SECTION: Z5.00.110

ZM1342

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Supersedes

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ZOELLER ENGINEERED PRODUCTS

NEMA 4X SIMPLEX & DUPLEX PANELS

1 - 20 BHP



COMMERCIAL DUTY EJECTORS, SOLIDS HANDLING AND GRINDER PUMPS

HAZARDOUS LOCATION SERIES** (Class I, Division 1, Group C & D)

- ☐ Commercial Effluent
- ☐ Commercial Sewage
- ☐ 61 HD Series
- ☐ 7008, 7009, 7010 Grinders

Standard Features:

1. NEMA-4X Thermoplastic Enclosure
2. cULus Labeled
3. Input Power Terminal Block
4. Float Switch Terminal Block
5. Ground Lug
6. Control Side Fuses
7. Control On/Off Switch
8. Lockable Hasp
9. HOA Switch(es)
10. IEC Rated Motor Contactor(s)
11. 120 Volt Control Circuit or Transformer
12. Pump Circuit Breaker(s) or Motor Overload Protection w/ Disconnect (3 Phase and 61 HD Series)
13. External High Water Alarm Light
14. Audible High Water Alarm Horn
15. High Water Alarm Dry Contact
16. Alarm Test and Silence Switch (Externally Mounted)
17. Green Pump Run Light(s)
18. Capacitors and Start Relay (1 Phase 61 HD Series)
19. Alternating Circuit Board (Duplex)
20. Float Status Indicator Lights

* Standard Options

- ☐ Seal Fail Indicator w/ Relay & Thermal Cutout Circuit 61 HD
- ☐ Seal Fail Indicator w/ Relay
- ☐ Elapsed Time Meter(s)
- ☐ Event Counter(s)
- ☐ Flasher for High Water Alarm Light
- ☐ Redundant Off
- ☐ Inner Door
- ☐ Lightning Arrestor
- ☐ Anti-Condensation Heater
- ☐ Manual Alarm Reset
- ☐ Pump Run Dry Contact
- ☐ Seal Fail Dry Contact
- ☐ Main Non-Fused Disconnect
- ☐ Alternator 1-2 Selector Switch

* Consult Factory for Options Not Listed

- ☐ 62 HD Series
- ☐ 7011, 7012, 7013 Grinders
- ☐ 71 Series Grinders

Standard Features:

1. NEMA-4X Thermoplastic Enclosure
2. cULus Labeled
3. Input Power Terminal Block
4. Float Switch Terminal Block
5. Ground Lug
6. Control Side Fuses
7. Control On/Off Switch
8. Lockable Hasp
9. HOA Switch(es)
10. IEC Rated Motor Contactor(s)
11. 120 Volt Control Circuit or Transformer
12. Pump Disconnect(s) and Motor Overload Protection
13. External High Water Alarm Light
14. Audible High Water Alarm Horn
15. High Water Alarm Dry Contact
16. Alarm Test and Silence Switch (Externally Mounted)
17. Green Pump Run Light(s)
18. Capacitors and Start Relay (Single Phase)
19. Alternating Circuit Board (Duplex)
20. Float Status Indicator Lights
21. Seal Fail Relay(s) w/ Indication Thermal Cut-out Circuit(s)

* Standard Options

- ☐ Elapsed Time Meter(s)
- ☐ Event Counter(s)
- ☐ Flasher for High Water Alarm Light
- ☐ Redundant Off
- ☐ Inner Door
- ☐ Lightning Arrestor
- ☐ Anti-Condensation Heater
- ☐ Manual Alarm Reset
- ☐ Automatic Reversing (Grinder Pump Only)
- ☐ Pump Run Dry Contact
- ☐ Seal Fail Dry Contact
- ☐ Main Non-Fused Disconnect
- ☐ Alternator 1-2 Selector Switch

- ☐ Commercial Duty Ejectors
- ☐ X61 HD and X62 HD Series
- ☐ X70 & X71 Series Grinder Pumps

Standard Features:

1. NEMA-4X Thermoplastic Enclosure
2. cULus Labeled
3. Input Power Terminal Block
4. Float Switch Terminal Block
5. Ground Lug
6. Control Side Fuses
7. Control On/Off Switch
8. Lockable Hasp
9. HOA Switch(es)
10. IEC Rated Motor Contactor(s)
11. 120 Volt Control Circuit or Transformer
12. Pump Circuit Breaker(s) or Motor Overload Protection w/ Disconnect
13. External High Water Alarm Light
14. Audible High Water Alarm Horn
15. High Water Alarm Dry Contact
16. Alarm Test and Silence Switch (Externally Mounted)
17. Green Pump Run Light(s)
18. Capacitors and Start Relay (1 Phase Models)
19. Alternating Circuit Board (Duplex)
20. Float Status Indicator Lights
21. Seal Fail Relay(s) w/ Indication, Thermal Cut-out Circuit(s), Intrinsically Safe Relays

* Standard Options

- ☐ Elapsed Time Meter(s)
- ☐ Event Counter(s)
- ☐ Flasher for High Water Alarm Light
- ☐ Redundant Off
- ☐ Inner Door
- ☐ Lightning Arrestor
- ☐ Anti-Condensation Heater
- ☐ Manual Alarm Reset
- ☐ Automatic Reversing (Grinder Pump Only)
- ☐ Pump Run Dry Contact
- ☐ Seal Fail Dry Contact
- ☐ Main Non-Fused Disconnect
- ☐ Alternator 1-2 Selector Switch

** Control Panel must be wired according to NEC and located outside the hazardous area.

NEMA 4X CONTROL PANELS ^{1,2,3} GRINDER PUMPS, 2 - 7-1/2 BHP SINGLE DIRECTIONAL

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	HP	Voltage	Phase	Full Load Amps	Panel Amp Range	Part Number	*Weight (lbs.)	*Dimensions H x W x D	Part Number	*Weight (lbs.)	*Dimensions H x W x D
N7008	1	115	1	13.6	7.0 - 15.0	10-4465	16	8" x 8" x 4"	10-4464	20	12" x 10" x 6"
E7008	1	230	1	6.5	0 - 7.0	10-4463	16	8" x 8" x 4"	10-4462	20	12" x 10" x 6"
I7008	1	200	1	7.7	7.0 - 15.0	10-4465	16	8" x 8" x 4"	10-4464	20	12" x 10" x 6"
J7008	1	200	3	7.5	6.0 - 10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F7008	1	230	3	6.9	6.0 - 10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G7008	1	460	3	3.7	2.5 - 4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA7008	1	575	3	2.7	2.5 - 4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E7009	1.5	230	1	10.8	7.0 - 15.0	10-4465	16	8" x 8" x 4"	10-4464	20	12" x 10" x 6"
I7009	1.5	200	1	12.0	7.0 - 15.0	10-4465	16	8" x 8" x 4"	10-4464	20	12" x 10" x 6"
J7009	1.5	200	3	9.2	6.0 - 10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F7009	1.5	230	3	8.2	6.0 - 10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G7009	1.5	460	3	4.2	4.0 - 6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA7009	1.5	575	3	3.2	2.5 - 4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E7010	2	230	1	13.7	7.0-15.0	10-4465	16	8" x 8" x 4"	10-4464	20	12" x 10" x 6"
I7010	2	200	1	15.5	15.0-20.0	10-4536	16	8" x 8" x 4"	10-4540	20	12" x 10" x 6"
J7010	2	200	3	11.0	9.0 - 14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
F7010	2	230	3	9.9	9.0 - 14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
G7010	2	460	3	5.0	4.0 - 6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA7010	2	575	3	3.9	2.5 - 4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E7012	2	230	1	17.2	15.0-20.0	10-4166	15	14" x 12" x 6"	10-1755	22	18" x 16" x 8"
I7012	2	200	1	20.0	15.0-20.0	10-4166	15	14" x 12" x 6"	10-1755	22	18" x 16" x 8"
J7012	2	200	3	12.3	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
F7012	2	230	3	10.8	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
G7012	2	460	3	5.5	4.0-6.3	10-1094	18	12" x 10" x 6"	10-1122	22	16" x 14" x 6"
BA7012	2	575	3	4.5	4.0-6.3	10-1146	18	12" x 10" x 6"	10-1168	22	16" x 14" x 6"
E7013	2	230	1	17.2	15.0-20.0	10-4166	15	14" x 12" x 6"	10-1755	22	18" x 16" x 10"
I7013	2	200	1	20.0	15.0-20.0	10-4166	15	14" x 12" x 6"	10-1755	22	18" x 16" x 10"
J7013	2	200	3	12.3	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
F7013	2	230	3	10.8	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
G7013	2	460	3	5.5	4.0-6.3	10-1094	18	12" x 10" x 6"	10-1122	22	16" x 14" x 6"
BA7013	2	575	3	4.5	4.0-6.3	10-1146	18	12" x 10" x 6"	10-1168	22	16" x 14" x 6"
E7110	3	230	1	23.6	21.0-30.0	10-1309	27	14" x 12" x 6"	10-1310	45	18" x 16" x 10"
J7110	3	200	3	17.3	17.0-23.0	10-1100	18	12" x 10" x 6"	10-1128	22	16" x 14" x 6"
F7110	3	230	3	15.1	13.0-18.0	10-1098	18	12" x 10" x 6"	10-1126	22	16" x 14" x 6"
G7110	3	460	3	7.5	6.0-10.0	10-1096	18	12" x 10" x 6"	10-1124	22	16" x 14" x 6"
BA7110	3	575	3	6.0	4.0-6.3	10-1146	18	12" x 10" x 6"	10-1168	22	16" x 14" x 6"
E7111	5	230	1	28.0	25.0-30.0	10-0963	27	14" x 12" x 6"	10-0968	45	18" x 16" x 10"
J7111	5	200	3	20.7	20.0-25.0	10-1101	18	12" x 10" x 6"	10-1129	22	16" x 14" x 6"
F7111	5	230	3	18.0	17.0-23.0	10-1100	18	12" x 10" x 6"	10-1128	22	16" x 14" x 6"
G7111	5	460	3	9.0	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
BA7111	5	575	3	7.2	6.0-10.0	10-1148	18	12" x 10" x 6"	10-1170	22	16" x 14" x 6"
J7112	7-1/2	200	3	25.3	24.0-32.0	10-1177	21	12" x 10" x 6"	10-1186	30	16" x 14" x 6"
F7112	7-1/2	230	3	22.0	20.0-25.0	10-1101	18	12" x 10" x 6"	10-1129	22	16" x 14" x 6"
G7112	7-1/2	460	3	11.0	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
BA7112	7-1/2	575	3	9.0	9.0-14.0	10-1149	18	12" x 10" x 6"	10-1171	22	16" x 14" x 6"

NOTES: (1) Single phase panels have starting capacitors and relays mounted in the enclosure. Therefore, these panels can only be used with Zoeller pumps.
(2) Three phase panels up to 20-25 amps have multi-tap transformers for 200-230-460 volt applications and are selected based on pump features and rated full load amps (FLA).
(3) The above listed panels meet our standard configurations. If any standard or nonstandard options are required, consult factory.
*Weights and dimensions are approximations and could vary.