



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

ENGINEERED PRODUCTS

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ZOELLER ENGINEERED PRODUCTS
NEMA 4X SIMPLEX & DUPLEX PANELS
 1 - 20 BHP



COMMERCIAL DUTY EJECTORS, SOLIDS HANDLING AND GRINDER PUMPS

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

- Commercial Effluent - Pg. 2**
- Commercial Sewage - Pg. 3**
- 61 HD Series - Pg. 6**

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 - Pg. 8**
- Grinder Pumps - Pg. 9**

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 - Pg. 4 & 5**
- X61 HD and X62 HD Series - Pg. 7 & 8**
- X70 & X71 Series Grinder Pumps - Pg. 10**

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} COMMERCIAL DUTY EFFLUENT EJECTORS

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
N6161	1/2	115	1	15.5	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
I6161	1/2	200	1	8.8	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6161	1/2	230	1	7.5	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6161	1/2	200	3	6.4	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6161	1/2	230	3	5.2	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6161	1/2	460	3	2.9	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6161	1/2	575	3	2.4	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
N6163	1/2	115	1	15.0	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
I6163	1/2	200	1	8.5	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6163	1/2	230	1	7.5	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6163	1/2	200	3	6.0	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6163	1/2	230	3	4.8	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6163	1/2	460	3	2.9	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6163	1/2	575	3	2.4	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
I6165	1	200	1	12.6	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6165	1	230	1	10.2	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6165	1	200	3	7.5	6.0-10	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6165	1	230	3	7.4	6.0-10	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6165	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"
BA6165	1	575	3	3.0	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
I6185	1	200	1	11.5	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6185	1	230	1	9.8	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6185	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"
F6185	1	230	3	7.4	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6185	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"
BA6185	1	575	3	3.3	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E6186	1½	230	1	13.7	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6186	1½	200	3	10.3	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
F6186	1½	230	3	9.2	6.0-10	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6186	1½	460	3	4.6	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6186	1½	575	3	3.6	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
I6188	1½	200	1	16.8	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
E6188	1½	230	1	14.0	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6188	1½	200	3	10.3	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
F6188	1½	230	3	8.9	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6188	1½	460	3	4.6	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6188	1½	575	3	3.5	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
I6189	2	200	1	20.5	20.0-30.0	10-1201	16	8" x 8" x 4"	10-1046	19	12" x 10" x 6"
E6189	2	230	1	17.1	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
J6189	2	200	3	13.2	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	21	14" x 12" x 9"
F6189	2	230	3	11.2	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
G6189	2	460	3	6.0	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
BA6189	2	575	3	5.8	4.0-6.3	10-1136	17	12" x 10" x 6"	10-1158	20	14" x 12" x 6"

NOTES: (1) Single phase panels furnished with three (3) float switches with 20' cords.
(2) The above listed panels meet our standard configurations as listed. If any standard or nonstandard options are required, consult factory.
*Weights and dimensions are approximations and could vary.

NEMA 4X CONTROL PANELS^{2,3}

COMMERCIAL DUTY SEWAGE EJECTORS

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
N6282	1/2	115	1	10.3	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
I6282	1/2	200	1	6.1	0-7.0	10-1036	16	8" x 8" x 4"	10-1043	18	12" x 10" x 6"
E6282	1/2	230	1	5.0	0-7.0	10-1036	16	8" x 8" x 4"	10-1043	18	12" x 10" x 6"
J6282	1/2	200	3	3.6	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
F6282	1/2	230	3	3.0	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
G6282	1/2	460	3	1.7	1.6-2.5	10-1076	17	12" x 10" x 6"	10-1104	20	14" x 12" x 6"
BA6282	1/2	575	3	1.4	1.0-1.6	10-1130	17	12" x 10" x 6"	10-1152	20	14" x 12" x 6"
I6284	1	200	1	9.3	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6284	1	230	1	8.9	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6284	1	200	3	5.5	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
F6284	1	230	3	5.0	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6284	1	460	3	2.6	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6284	1	575	3	2.2	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
N6292	1/2	115	1	15.0	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
E6292	1/2	230	1	7.5	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
I6292	1/2	200	1	8.8	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6292	1/2	200	3	6.4	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6292	1/2	230	3	5.2	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6292	1/2	460	3	2.9	2.5-4	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6292	1/2	575	3	2.4	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
I6293	1	200	1	12.0	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6293	1	230	1	10.2	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6293	1	200	3	8.2	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6293	1	230	3	7.6	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6293	1	460	3	4.0	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6293	1	575	3	3.3	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
I6294	1½	200	1	17.8	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
E6294	1½	230	1	13.7	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6294	1½	200	3	10.8	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
F6294	1½	230	3	9.5	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
G6294	1½	460	3	4.8	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6294	1½	575	3	3.8	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
I6295	2	200	1	20.5	20.0-30.0	10-1201	16	8" x 8" x 4"	10-1046	19	12" x 10" x 6"
E6295	2	230	1	17.1	15.0-20.0	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
J6295	2	200	3	14.3	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	21	14" x 12" x 9"
F6295	2	230	3	12.2	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	21	14" x 12" x 9"
G6295	2	460	3	6.1	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
BA6295	2	575	3	4.9	4.0-6.3	10-1136	17	12" x 10" x 6"	10-1158	20	14" x 12" x 6"
I6404	2	200	1	14.4	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6404	2	230	1	12.9	7.0-15.0	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6404	2	200	3	13.8	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	21	14" x 12" x 9"
F6404	2	230	3	10.5	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	21	14" x 12" x 9"
G6404	2	460	3	5.2	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6404	2	575	3	4.1	4.0-6.3	10-1136	17	12" x 10" x 6"	10-1158	20	14" x 12" x 6"
I6405	3	200	1	20.2	20.0-30.0	10-1201	16	8" x 8" x 4"	10-1046	19	12" x 10" x 6"
E6405	3	230	1	19.0	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
J6405	3	200	3	14.8	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	21	14" x 12" x 9"
F6405	3	230	3	12.2	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	21	14" x 12" x 9"
G6405	3	460	3	6.1	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
BA6405	3	575	3	4.8	4.0-6.3	10-1136	17	12" x 10" x 6"	10-1158	20	14" x 12" x 6"

- NOTES:** (1) Single phase panels furnished with three (3) float switches with 20' cords.
(2) Three phase panels 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 as listed. If any standard or nonstandard options are required, consult factory.

*Weights and dimensions are approximations and could vary.

NEMA 4X CONTROL PANELS ^{1,2,3}
INTRINSICALLY SAFE FOR HAZARDOUS ENVIRONMENT SERIES
EXPLOSION PROOF COMMERCIAL DUTY EFFLUENT EJECTORS

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
NX6161	1/2	115	1	15.5	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
EX6161	1/2	230	1	7.5	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6161	1/2	200	1	8.8	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6161	1/2	200	3	6.4	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
FX6161	1/2	230	3	5.2	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
GX6161	1/2	460	3	2.9	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6161	1/2	575	3	2.4	1.6-2.5	10-1248	25	16" x 14" x 6"	10-1254	28	16" x 14" x 6"
NX6163	1/2	115	1	15.0	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
EX6163	1/2	230	1	7.5	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6163	1/2	200	1	8.5	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6163	1/2	200	3	6.0	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
FX6163	1/2	230	3	4.8	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
GX6163	1/2	460	3	2.9	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6163	1/2	575	3	2.4	1.6-2.5	10-1248	25	16" x 14" x 6"	10-1254	28	16" x 14" x 6"
EX6165	1	230	1	10.2	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6165	1	200	1	12.6	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6185	1	200	3	7.5	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
FX6165	1	230	3	7.4	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6165	1	460	3	3.7	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6165	1	575	3	3.0	2.5-4.0	10-1250	25	16" x 14" x 6"	10-1256	28	16" x 14" x 6"
EX6185	1	230	1	9.8	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6185	1	200	1	11.5	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6185	1	200	3	7.5	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
FX6185	1	230	3	7.4	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6185	1	460	3	3.7	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6185	1	575	3	3.3	2.5-4.0	10-1250	25	16" x 14" x 6"	10-1256	28	16" x 14" x 6"
EX6186	1½	230	1	13.7	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6186	1½	200	1	17.2	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
JX6186	1½	200	3	10.3	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
FX6186	1½	230	3	9.2	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6186	1½	460	3	4.6	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
EX6188	1½	230	1	14.0	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6188	1½	200	1	16.8	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
JX6188	1½	200	3	10.3	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
FX6188	1½	230	3	8.9	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6188	1½	460	3	4.6	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6188	1½	575	3	3.5	2.5-4.0	10-1250	25	16" x 14" x 6"	10-1256	28	16" x 14" x 6"
EX6189	2	230	1	17.1	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
IX6189	2	200	1	20.5	20.0-30.0	10-1295	26	16" x 14" x 6"	10-1235	28	16" x 14" x 6"
JX6189	2	200	3	13.2	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1232	28	16" x 14" x 6"
FX6189	2	230	3	11.2	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
GX6189	2	460	3	6.0	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6189	2	575	3	5.8	4.0-6.3	10-1252	25	16" x 14" x 6"	10-1258	28	16" x 14" x 6"

NOTES: (1) Three phase panels have multi-tap transformers for 200-230-460 volt applications and are selected based on pump features and rated full load amps (FLA).
(2) The above listed panels meet our standard configurations as listed. If any standard or nonstandard options are required, consult factory.
(3) See Front **.

*Weights and dimensions are approximations and could vary.

NEMA 4X CONTROL PANELS ^{1,2,3}, continued

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
NX6282	1/2	115	1	10.3	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
EX6282	1/2	230	1	5.0	0-7.0	10-1241	26	16" x 14" x 6"	10-1296	28	16" x 14" x 6"
IX6282	1/2	200	1	6.1	0-7.0	10-1241	26	16" x 14" x 6"	10-1296	28	16" x 14" x 6"
JX6282	1/2	200	3	3.6	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
FX6282	1/2	230	3	3.0	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
GX6282	1/2	460	3	1.7	1.6-2.5	10-1562	24	16" x 14" x 6"	10-1590	27	16" x 14" x 6"
BAX6282	1/2	575	3	1.4	1.0-1.6	10-1247	25	16" x 14" x 6"	10-1253	28	16" x 14" x 6"
EX6284	1	230	1	8.9	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6284	1	200	1	9.3	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6284	1	200	3	5.5	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
FX6284	1	230	3	5.0	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
GX6284	1	460	3	2.6	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6284	1	575	3	2.2	1.6-2.5	10-1248	25	16" x 14" x 6"	10-1254	28	16" x 14" x 6"
NX6292	1/2	115	1	15.0	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
EX6292	1/2	230	1	7.5	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6292	1/2	200	1	8.8	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6292	1/2	200	3	6.4	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
FX6292	1/2	230	3	5.2	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
GX6292	1/2	460	3	2.9	2.5-4.0	10-1219	25	16" x 14" x 6"	10-1225	28	16" x 14" x 6"
BAX6292	1/2	575	3	2.4	1.6-2.5	10-1248	25	16" x 14" x 6"	10-1254	28	16" x 14" x 6"
EX6293	1	230	1	10.2	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6293	1	200	1	12.0	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6293	1	200	3	8.2	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
FX6293	1	230	3	7.6	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6293	1	460	3	4.0	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6293	1	575	3	3.3	2.5-4.0	10-1250	25	16" x 14" x 6"	10-1256	28	16" x 14" x 6"
EX6294	1½	230	1	13.7	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6294	1½	200	1	17.8	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
JX6294	1½	200	3	10.8	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
FX6294	1½	230	3	9.5	6.0-10.0	10-1222	25	16" x 14" x 6"	10-1228	28	16" x 14" x 6"
GX6294	1½	460	3	4.8	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6294	1½	575	3	3.8	2.5-4.0	10-1250	25	16" x 14" x 6"	10-1256	28	16" x 14" x 6"
EX6295	2	230	1	17.1	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
IX6295	2	200	1	20.5	20.0-30.0	10-1295	26	16" x 14" x 6"	10-1235	28	16" x 14" x 6"
JX6295	2	200	3	14.3	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1232	28	16" x 14" x 6"
FX6295	2	230	3	12.2	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
GX6295	2	460	3	6.1	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6295	2	575	3	4.9	4.0-6.3	10-1252	25	16" x 14" x 6"	10-1258	28	16" x 14" x 6"
EX6404	3	230	1	12.9	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
IX6404	3	200	1	14.4	7.0-15.0	10-1242	26	16" x 14" x 6"	10-1297	28	16" x 14" x 6"
JX6404	3	200	3	13.8	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1232	28	16" x 14" x 6"
FX6404	3	230	3	10.5	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
GX6404	3	460	3	5.2	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6404	3	575	3	4.1	4.0-6.3	10-1252	25	16" x 14" x 6"	10-1258	28	16" x 14" x 6"
EX6405	3	200	1	19.0	15.0-20.0	10-1294	26	16" x 14" x 6"	10-1233	28	16" x 14" x 6"
IX6405	3	200	1	20.2	20.0-30.0	10-1295	26	16" x 14" x 6"	10-1235	28	16" x 14" x 6"
JX6405	3	200	3	14.8	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1232	28	16" x 14" x 6"
FX6405	3	230	3	12.2	9.0-14.0	10-1229	25	16" x 14" x 6"	10-1231	28	16" x 14" x 6"
GX6405	3	460	3	6.1	4.0-6.3	10-1218	25	16" x 14" x 6"	10-1224	28	16" x 14" x 6"
BAX6405	3	575	3	4.8	4.0-6.3	10-1252	25	16" x 14" x 6"	10-1258	28	16" x 14" x 6"

NEMA 4X CONTROL PANELS ^{1,2,3}
FOR STANDARD SOLIDS HANDLING PUMPS
61 HD SERIES • 1 - 10 BHP

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
E6120	1	230	1	6.9	5.5-8.0	10-0920	27	14" x 12" x 6"	10-0925	45	16" x 14" x 6"
J6120	1	200	3	4.8	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
F6120	1	230	3	4.2	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6120	1	460	3	2.1	1.6-2.5	10-1076	17	12" x 10" x 6"	10-1104	20	14" x 12" x 6"
BA6120	1	575	3	1.7	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
E6121	1½	230	1	8.9	7.0-10.0	10-0921	27	14" x 12" x 6"	10-0926	45	16" x 14" x 6"
J6121	1½	200	3	5.9	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
F6121	1½	230	3	5.1	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
G6121	1½	460	3	2.6	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6121	1½	575	3	2	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	21	14" x 12" x 6"
E6122	2	230	1	14.5	12.0-18.0	10-0922	27	14" x 12" x 6"	10-0927	45	16" x 14" x 6"
J6122	2	200	3	7.8	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
F6122	2	230	3	6.8	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6122	2	460	3	3.4	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
BA6122	2	575	3	2.7	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E6123	3	230	1	17	16.0-24.0	10-0923	27	14" x 12" x 6"	10-0928	45	16" x 14" x 6"
J6123	3	200	3	11	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
F6123	3	230	3	9.6	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
G6123	3	460	3	4.8	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
BA6123	3	575	3	3.9	2.5-4.0	10-1134	17	12" x 10" x 6"	10-1156	20	14" x 12" x 6"
E6124	5	230	1	28	23.0-32.0	10-0924	27	14" x 12" x 6"	10-0929	45	16" x 14" x 6"
J6124	5	200	3	17.5	17.0-23.0	10-1086	17	12" x 10" x 6"	10-1114	20	14" x 12" x 6"
F6124	5	230	3	15.2	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	20	14" x 12" x 6"
G6124	5	460	3	7.6	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
BA6124	5	575	3	6.1	6.0-10.0	10-1138	17	12" x 10" x 6"	10-1160	20	14" x 12" x 6"
E6111	5	230	1	28	23.0-32.0	10-1307	27	14" x 12" x 6"	10-1308	45	16" x 14" x 6"
J6111	5	200	3	17.5	17.0-23.0	10-1086	17	12" x 10" x 6"	10-1114	20	14" x 12" x 6"
F6111	5	230	3	15.2	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	20	14" x 12" x 6"
G6111	5	460	3	7.6	6.0-10.0	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
BA6111	5	575	3	6.1	6.0-10.0	10-1138	17	12" x 10" x 6"	10-1160	20	14" x 12" x 6"
J6125	7½	200	3	25.3	24.0-32.0	10-1174	20	12" x 10" x 6"	10-1183	26	14" x 12" x 6"
F6125	7½	230	3	22	20.0-25.0	10-1087	17	12" x 10" x 6"	10-1115	20	14" x 12" x 6"
G6125	7½	460	3	11	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
BA6125	7½	575	3	9	6.0-10.0	10-1138	17	12" x 10" x 6"	10-1160	20	14" x 12" x 6"
J6112	7½	200	3	25.3	24.0-32.0	10-1174	20	12" x 10" x 6"	10-1183	26	14" x 12" x 6"
F6112	7½	230	3	22	20.0-25.0	10-1087	17	12" x 10" x 6"	10-1115	20	14" x 12" x 6"
G6112	7½	460	3	11	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
BA6112	7½	575	3	9	6.0-10.0	10-1138	17	12" x 10" x 6"	10-1160	20	14" x 12" x 6"
J6113	10	200	3	32.2	30.0-40.0	10-1175	20	14" x 12" x 6"	10-1184	26	18" x 16" x 10"
F6113	10	230	3	28	24.0-32.0	10-1174	20	18" x 16" x 6"	10-1183	26	24" x 16" x 9"
G6113	10	460	3	14	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	20	24" x 16" x 9"
BA6113	10	575	3	11	9.0-14.0	10-1139	17	12" x 10" x 6"	10-1161	20	14" x 12" x 6"

- NOTES:** (1) Single phase panels have starting capacitors and relays mounted in the enclosure. Use with Zoeller pumps listed only.
(2) Three phase panels 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 as listed. If any standard or nonstandard options are required, consult factory.
*Weights and dimensions are approximations and could vary.

NEMA 4X CONTROL PANELS 1,2,3
INTRINSICALLY SAFE FOR EXPLOSION PROOF SOLIDS HANDLING UNITS
X61 HD SERIES • 1 - 10 BHP

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
EX6120	1	230	1	6.9	5.5-8.0	10-1559	30	16" x 14" x 6"	10-1587	35	28" x 20" x 10"
JX6120	1	200	3	4.8	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
FX6120	1	230	3	4.2	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
GX6120	1	460	3	2.1	1.6-2.5	10-1562	25	16" x 14" x 6"	10-1590	28	16" x 14" x 6"
BAX6120	1	575	3	1.7	1.6-2.5	10-1563	25	16" x 14" x 6"	10-1591	28	16" x 14" x 6"
EX6121	1½	230	1	8.9	7.0-10.0	10-1564	30	16" x 14" x 6"	10-1592	35	28" x 20" x 10"
JX6121	1½	200	3	5.9	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
FX6121	1½	230	3	5.1	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
GX6121	1½	460	3	2.6	2.5-4.0	10-1561	25	16" x 14" x 6"	10-1589	28	16" x 14" x 6"
BAX6121	1½	575	3	2	1.6-2.5	10-1563	25	16" x 14" x 6"	10-1591	28	16" x 14" x 6"
EX6122	2	230	1	14.5	12.0-18.0	10-1573	30	16" x 14" x 6"	10-1601	35	28" x 20" x 10"
JX6122	2	200	3	7.8	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	28	16" x 14" x 6"
FX6122	2	230	3	6.8	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	28	16" x 14" x 6"
GX6122	2	460	3	3.4	2.5-4.0	10-1561	25	16" x 14" x 6"	10-1589	28	16" x 14" x 6"
BAX6122	2	575	3	2.7	2.5-4.0	10-1566	25	16" x 14" x 6"	10-1594	28	16" x 14" x 6"
EX6123	3	230	1	17	16.0-24.0	10-1567	30	16" x 14" x 6"	10-1595	35	28" x 20" x 10"
JX6123	3	200	3	11	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
FX6123	3	230	3	9.6	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
GX6123	3	460	3	4.8	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
BAX6123	3	575	3	3.9	2.5-4.0	10-1566	25	16" x 14" x 6"	10-1594	28	16" x 14" x 6"
EX6124	5	230	1	28	23.0-32.0	10-1569	30	16" x 14" x 6"	10-1597	35	24" x 16" x 10"
JX6124	5	200	3	17.5	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	28	16" x 14" x 6"
FX6124	5	230	3	15.2	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	28	16" x 14" x 6"
GX6124	5	460	3	7.6	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	28	16" x 14" x 6"
BAX6124	5	575	3	6.1	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	28	16" x 14" x 6"
EX6111	5	230	1	28	23.0-32.0	10-1574	27	16" x 14" x 6"	10-1602	35	28" x 20" x 10"
JX6111	5	200	3	17.5	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	28	16" x 14" x 6"
FX6111	5	230	3	15.2	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	28	16" x 14" x 6"
GX6111	5	460	3	7.6	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	28	16" x 14" x 6"
BAX6111	5	575	3	6.1	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	28	16" x 14" x 6"
JX6125	7½	200	3	25.3	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	30	16" x 14" x 6"
FX6125	7½	230	3	22	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	16" x 14" x 6"
GX6125	7½	460	3	11	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
BAX6125	7½	575	3	9	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	28	16" x 14" x 6"
JX6112	7½	200	3	25.3	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	30	16" x 14" x 6"
FX6112	7½	230	3	22	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	16" x 14" x 6"
GX6112	7½	460	3	11	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
BAX6112	7½	575	3	9	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	28	16" x 14" x 6"
JX6113	10	200	3	32.2	30.0-40.0	10-1578	27	18" x 16" x 8"	10-1606	30	28" x 20" x 10"
FX6113	10	230	3	28	24.0-32.0	10-1577	27	18" x 16" x 6"	10-1605	30	24" x 16" x 9"
GX6113	10	460	3	14	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	28	16" x 14" x 6"
BAX6113	10	575	3	11	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	28	16" x 14" x 6"

- NOTES:** (1) Single phase panels have starting capacitors and relays mounted in the enclosure. Use with Zoeller pumps listed only.
(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 as listed. If any standard or nonstandard options are required, consult factory.
*Weights and dimensions are approximations and could vary.

NEMA 4X CONTROL PANELS ^{1,2,3}
FOR STANDARD SOLIDS HANDLING PUMPS
62 HD SERIES • 5 - 20 BHP

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
E6220	5	230	1	27.5	23.0-32.0	10-0494	27	14" x 12" x 6"	10-0497	30	18" x 16" x 10"
J6220	5	200	3	17.5	17.0-23.0	10-1100	18	12" x 10" x 6"	10-1128	22	16" x 14" x 6"
F6220	5	230	3	15.2	13.0-18.0	10-1098	18	12" x 10" x 6"	10-1126	22	16" x 14" x 6"
G6220	5	460	3	7.6	6.0-10.0	10-1096	18	12" x 10" x 6"	10-1124	22	16" x 14" x 6"
BA6220	5	575	3	6.1	6.0-10.0	10-1148	18	12" x 10" x 6"	10-1170	22	16" x 14" x 6"
E6221	7½	230	1	36.7	37.0-50.0	10-0495	27	14" x 12" x 6"	10-0498	30	24" x 16" x 9"
J6221	7½	200	3	25.0	24.0-32.0	10-1177	21	12" x 10" x 6"	10-1186	30	16" x 14" x 6"
F6221	7½	230	3	22.0	20.0-25.0	10-1101	18	12" x 10" x 6"	10-1129	22	16" x 14" x 6"
G6221	7½	460	3	11.0	9.0-14.0	10-1097	18	12" x 10" x 6"	10-1125	22	16" x 14" x 6"
BA6221	7½	575	3	9.0	6.0-10.0	10-1148	18	12" x 10" x 6"	10-1170	22	16" x 14" x 6"
J6222	10	200	3	32.0	30.0-40.0	10-1178	21	14" x 12" x 6"	10-1187	30	16" x 14" x 6"
F6222	10	230	3	28.0	24.0-32.0	10-1177	21	12" x 10" x 6"	10-1186	30	16" x 14" x 6"
G6222	10	460	3	14.0	13.0-18.0	10-1098	18	12" x 10" x 6"	10-1126	22	16" x 14" x 6"
BA6222	10	575	3	11.0	9.0-14.0	10-1149	18	12" x 10" x 6"	10-1171	22	16" x 14" x 6"
J6223	15	200	3	48.3	37.0-50.0	10-3074	18	12" x 10" x 6"	10-3075	22	16" x 14" x 6"
F6223	15	230	3	41.7	37.0-50.0	10-3074	18	12" x 10" x 6"	10-3075	22	16" x 14" x 6"
G6223	15	460	3	20.9	20.0-25.0	10-1101	18	12" x 10" x 6"	10-1129	22	16" x 14" x 6"
BA6223	15	575	3	16.4	13.0-18.0	10-1150	18	12" x 10" x 6"	10-1172	22	16" x 14" x 6"
J6224	20	200	3	59.4	48.0-65.0	10-1180	21	18" x 16" x 10"	10-1189	75	28" x 20" x 10"
F6224	20	230	3	54.0	48.0-65.0	10-1180	21	18" x 16" x 10"	10-1189	75	28" x 20" x 10"
G6224	20	460	3	27.0	24.0-32.0	10-1177	21	18" x 16" x 10"	10-1186	30	14" x 12" x 6"
BA6224	20	575	3	22.0	20.0-25.0	10-1952	18	12" x 10" x 6"	10-1953	22	16" x 14" x 6"

NEMA 4X CONTROL PANELS ^{1,2,3}
INTRINSICALLY SAFE FOR EXPLOSION PROOF SOLIDS HANDLING UNITS
X62 HD SERIES • 5 - 20 BHP

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
EX6220	5	230	1	27.5	23.0-32.0	10-2487	27	16" x 14" x 6"	10-2493	32	24" x 16" x 9"
JX6220	5	200	3	17.5	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	28	16" x 14" x 6"
FX6220	5	230	3	15.2	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	28	16" x 14" x 6"
GX6220	5	460	3	7.6	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	28	16" x 14" x 6"
BAX6220	5	575	3	6.1	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	28	16" x 14" x 6"
EX6221	7½	230	1	36.7	37.0-50.0	10-2488	29	16" x 14" x 6"	10-2494	34	24" x 16" x 9"
JX6221	7½	200	3	25.0	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	27	16" x 14" x 6"
FX6221	7½	230	3	22.0	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	16" x 14" x 6"
GX6221	7½	460	3	11.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
BAX6221	7½	575	3	9.0	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	28	16" x 14" x 6"
JX6222	10	200	3	32.0	30.0-40.0	10-1578	25	16" x 14" x 6"	10-1606	27	16" x 14" x 6"
FX6222	10	230	3	28.0	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	27	16" x 14" x 6"
GX6222	10	460	3	14.0	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	28	16" x 14" x 6"
BAX6222	10	575	3	11.0	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	28	16" x 14" x 6"
JX6223	15	200	3	48.3	37.0-50.0	10-3092	25	16" x 14" x 6"	10-3093	27	16" x 14" x 6"
FX6223	15	230	3	41.7	37.0-50.0	10-3092	25	16" x 14" x 6"	10-3093	27	16" x 14" x 6"
GX6223	15	460	3	20.9	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	27	16" x 14" x 6"
BAX6223	15	575	3	16.4	13.0-18.0	10-2491	25	16" x 14" x 6"	10-2497	27	16" x 14" x 6"
JX6224	20	200	3	59.4	48.0-65.0	10-2489	45	24" x 20" x 11"	10-2495	75	30" x 24" x 13"
FX6224	20	230	3	54.0	48.0-65.0	10-2489	45	24" x 20" x 11"	10-2495	75	30" x 24" x 13"
GX6224	20	460	3	27.0	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	27	16" x 14" x 6"
BAX6224	20	575	3	22.0	20.0-25.0	10-2492	25	16" x 14" x 6"	10-2498	27	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.

NEMA 4X CONTROL PANELS 1,2,3
GRINDER PUMPS, 2 - 7½ 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
E7010	2	230	1	13.7	7 - 15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
I7010	2	200	1	15.5	15 - 20	10-1038	16	8" x 8" x 4"	10-1045	20	12" x 10" 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	7½	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	7½	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	7½	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	7½	575	3	9.0	9.0-14.0	10-1149	18	12" x 10" x 6"	10-1171	22	16" x 14" x 6"

NEMA 4X CONTROL PANELS 1,2,3
GRINDER PUMPS, 2 - 7½ BHP
AUTOMATIC REVERSING PUMPS

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
E7011	2	230	1	17.2	15.0-20.0	10-1551	22	14" x 12" x 6"	10-1552	33	16" x 14" x 6"
I7011	2	200	1	20.0	15.0-20.0	10-1551	22	14" x 12" x 6"	10-1552	33	16" x 14" x 6"
J7011	2	200	3	12.3	9.0-14.0	10-1701	26	16" x 14" x 6"	10-1700	30	18" x 16" x 10"
F7011	2	230	3	10.8	9.0-14.0	10-1701	26	16" x 14" x 6"	10-1700	30	18" x 16" x 10"
G7011	2	460	3	5.5	4.0-6.3	10-3850	26	16" x 14" x 6"	10-3299	30	18" x 16" x 10"
BA7011	2	575	3	4.5	4.0-6.3	10-3851	26	16" x 14" x 6"	10-3852	30	18" x 16" x 10"
J7110RV	3	200	3	17.3	17.0-23.0	10-2433	26	16" x 14" x 6"	10-1530	30	18" x 16" x 10"
F7110RV	3	230	3	15.1	13.0-18.0	10-1858	26	16" x 14" x 6"	10-1498	30	18" x 16" x 10"
G7110RV	3	460	3	7.5	6.0-10.0	10-3860	26	16" x 14" x 6"	10-1341	30	18" x 16" x 10"
BA7110RV	3	575	3	6.0	6.0-10.0	10-3851	26	16" x 14" x 6"	10-3852	30	18" x 16" x 10"
J7111RV	5	200	3	20.7	17.0-23.0	10-2433	26	16" x 14" x 6"	10-1530	30	18" x 16" x 10"
F7111RV	5	230	3	18.0	17.0-23.0	10-2433	26	16" x 14" x 6"	10-1530	30	18" x 16" x 10"
G7111RV	5	460	3	9.0	9.0-14.0	10-1701	26	16" x 14" x 6"	10-1700	30	18" x 16" x 10"
BA7111RV	5	575	3	7.2	6.0-10.0	10-3861	26	16" x 14" x 6"	10-3862	30	18" x 16" x 10"
J7112RV	7½	200	3	25.3	23.0-32.0	10-3863	26	16" x 14" x 6"	10-1466	30	18" x 16" x 10"
F7112RV	7½	230	3	22.0	20.0-25.0	10-3864	26	16" x 14" x 6"	10-1790	30	18" x 16" x 10"
G7112RV	7½	460	3	11.0	9.0-14.0	10-1701	26	16" x 14" x 6"	10-1700	30	18" x 16" x 10"
BA7112RV	7½	575	3	9.0	9.0-14.0	10-3865	26	16" x 14" x 6"	10-3866	30	18" x 16" x 10"

NOTES: PLEASE SEE PAGE 8 NOTATIONS.

NEMA 4X CONTROL PANELS 1,2,3
INTRINSICALLY SAFE
EXPLOSION PROOF GRINDER PUMPS, 2 - 7½ BHP, SINGLE DIRECTIONAL PUMPS

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
EX7012	2	230	1	17.2	15.0-20.0	10-2717	25	16" x 14" x 6"	10-2721	30	24" x 16" x 10"
IX7012	2	200	1	20.0	15.0-20.0	10-2717	25	16" x 14" x 6"	10-2721	30	24" x 16" x 10"
JX7012	2	200	3	12.3	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	25	16" x 14" x 6"
FX7012	2	230	3	10.8	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	25	16" x 14" x 6"
GX7012	2	460	3	5.5	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	25	16" x 14" x 6"
BAX7012	2	575	3	4.5	4.0-6.3	10-2720	25	16" x 14" x 6"	10-2724	25	16" x 14" x 6"
EX7013	2	230	1	17.2	15.0-20.0	10-2717	25	16" x 14" x 6"	10-2721	30	16" x 14" x 6"
IX7013	2	200	1	20.0	15.0-20.0	10-2717	25	16" x 14" x 6"	10-2721	30	16" x 14" x 6"
JX7013	2	200	3	12.3	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	30	16" x 14" x 6"
FX7013	2	230	3	10.8	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	30	16" x 14" x 6"
GX7013	2	460	3	5.5	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	30	16" x 14" x 6"
BAX7013	2	575	3	4.5	4.0-6.3	10-2720	25	16" x 14" x 6"	10-2724	30	16" x 14" x 6"
EX7110	3	230	1	23.6	20.0-30.0	10-3847	25	16" x 14" x 6"	10-3848	35	28" x 20" x 10"
JX7110	3	200	3	17.3	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	27	16" x 14" x 6"
FX7110	3	230	3	15.1	13.0-18.0	10-1571	25	16" x 14" x 6"	10-1599	27	16" x 14" x 6"
GX7110	3	460	3	7.5	6.0-10.0	10-1565	25	16" x 14" x 6"	10-1593	27	16" x 14" x 6"
BAX7110	3	575	3	6.0	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	27	16" x 14" x 6"
EX7111	5	230	1	28.0	20.0-30.0	10-1574	25	16" x 14" x 6"	10-1602	35	28" x 20" x 10"
JX7111	5	200	3	20.7	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	25	16" x 14" x 6"
FX7111	5	230	3	18.0	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	25	16" x 14" x 6"
GX7111	5	460	3	9.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	25	16" x 14" x 6"
BAX7111	5	575	3	7.2	6.0-10.0	10-1572	25	16" x 14" x 6"	10-1600	25	16" x 14" x 6"
JX7112	7½	200	3	25.3	24.0-32.0	10-1577	25	16" x 14" x 6"	10-1605	27	16" x 14" x 6"
FX7112	7½	230	3	22.0	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	27	16" x 14" x 6"
GX7112	7½	460	3	11.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	27	16" x 14" x 6"
BAX7112	7½	575	3	9.0	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	27	16" x 14" x 6"

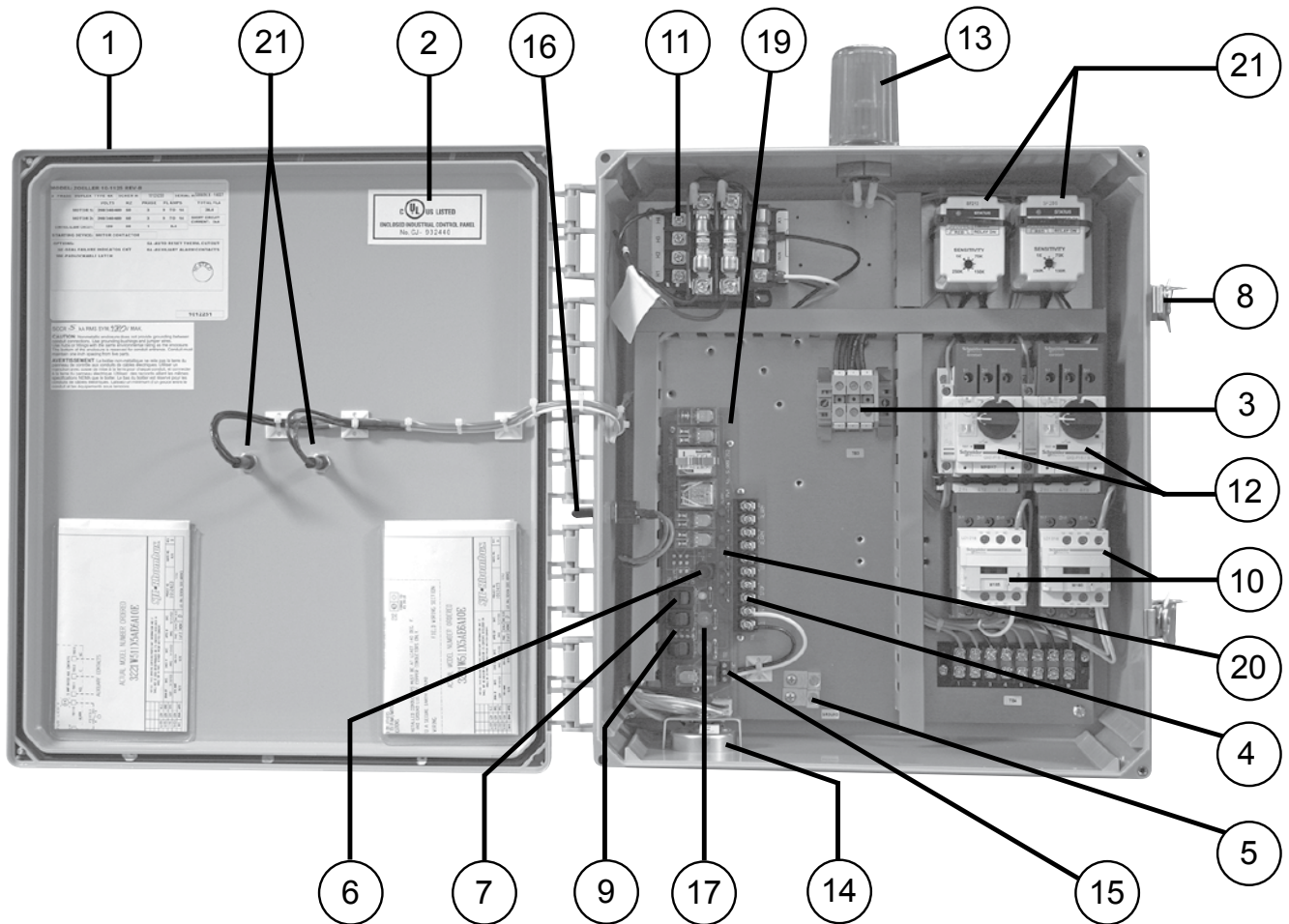
NEMA 4X CONTROL PANELS 1,2,3
INTRINSICALLY SAFE
EXPLOSION PROOF GRINDER PUMPS, 2 - 7½ BHP, AUTOMATIC REVERSING PUMPS

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
EX7011	2	230	1	17.2	15.0-20.0	10-2709	26	18" x 16" x 10"	10-2713	34	28" x 20" x 10"
IX7011	2	200	1	20.0	15.0-20.0	10-2709	26	18" x 16" x 10"	10-2713	34	28" x 20" x 10"
JX7011	2	200	3	12.3	9.0-14.0	10-2710	25	16" x 14" x 6"	10-2714	31	24" x 16" x 9"
FX7011	2	230	3	10.8	9.0-14.0	10-2710	25	16" x 14" x 6"	10-2714	31	24" x 16" x 9"
GX7011	2	460	3	5.5	4.0-6.3	10-2711	25	16" x 14" x 6"	10-2715	31	24" x 16" x 9"
BAX7011	2	575	3	4.5	4.0-6.3	10-2712	25	16" x 14" x 6"	10-2716	31	24" x 16" x 9"
JX7110RV	2	200	3	17.3	17.0-23.0	10-3870	27	24" x 16" x 9"	10-2759	31	24" x 16" x 9"
FX7110RV	2	230	3	15.1	13.0-18.0	10-3869	27	24" x 16" x 9"	10-2246	31	24" x 16" x 9"
GX7110RV	2	460	3	7.5	6.0-10.0	10-1862	27	24" x 16" x 9"	10-2548	31	24" x 16" x 9"
BAX7110RV	2	575	3	6.0	6.0-10.0	10-3868	27	24" x 16" x 9"	10-3872	31	24" x 16" x 9"
JX7111RV	5	200	3	20.7	17.0-23.0	10-3870	27	24" x 16" x 9"	10-2759	31	24" x 16" x 9"
FX7111RV	5	230	3	18.0	17.0-23.0	10-3870	27	24" x 16" x 9"	10-2759	31	24" x 16" x 9"
GX7111RV	5	460	3	9.0	9.0-14.0	10-2710	27	24" x 16" x 9"	10-2714	31	24" x 16" x 9"
BAX7111RV	5	575	3	7.2	6.0-10.0	10-3868	27	24" x 16" x 9"	10-3872	31	24" x 16" x 9"
JX7112RV	7½	200	3	25.3	24.0-32.0	10-3871	27	24" x 16" x 9"	10-1913	34	28" x 20" x 10"
FX7112RV	7½	230	3	22.0	17.0-23.0	10-3870	27	24" x 16" x 9"	10-2759	34	28" x 20" x 10"
GX7112RV	7½	460	3	11.0	9.0-14.0	10-2710	27	24" x 16" x 9"	10-2714	31	24" x 16" x 9"
BAX7112RV	7½	575	3	9.0	9.0-14.0	10-3867	27	24" x 16" x 9"	10-3873	31	24" x 16" x 9"

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.

TYPICAL DUPLEX CONTROL PANEL FEATURES

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. NEMA-4X Thermoplastic Enclosure 2. cULus Labeled 3. Input Power Terminal Block 4. Float Switch Terminal Block 5. Ground Lug 6. Control Side Fuse 7. Control On/Off Switch 8. Lockable Hasp 9. HOA Switch(es) 10. IEC Rated Motor Contactor(s) 11. 120 Volt Control Circuit Transformer
Used on 3 Phase Panels | <ol style="list-style-type: none"> 12. Pump Disconnect(s) and Motor Overload Protection (3 Phase and Large Single Phase) 13. External High Water Alarm Light 14. Audible High Water Alarm Horn 15. Dry Auxilliary Contacts For High Water Alarm 16. Alarm Test and Silence Switch (Externally Mounted) 17. Green Pump Run Light(s) 18. Capacitors and Start Relay (Not pictured) 19. Alternating Circuit Board (Duplex) 20. Float Status Indicator Lights 21. Seal Fail Relay(s) (set at 110K*) w/ Indication Thermal Cut-out Circuit(s) |
|--|--|



*Should be verified at time of installation.

NON STANDARD OPTIONS

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____



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