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**ENGINEERED PRODUCTS**

Zoeller Family of Water Solutions™

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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)	
<p><input type="checkbox"/> <b>Commercial Effluent - Pg. 2</b></p> <p><input type="checkbox"/> <b>Commercial Sewage - Pg. 3</b></p> <p><input type="checkbox"/> <b>61 HD Series - Pg. 6</b></p> <p>Standard Features:</p> <ol style="list-style-type: none"> <li>1. NEMA-4X Thermoplastic Enclosure</li> <li>2. cULus Labeled</li> <li>3. Input Power Terminal Block</li> <li>4. Float Switch Terminal Block</li> <li>5. Ground Lug</li> <li>6. Control Side Fuses</li> <li>7. Control On/Off Switch</li> <li>8. Lockable Hasp</li> <li>9. HOA Switch(es)</li> <li>10. IEC Rated Motor Contactor(s)</li> <li>11. 120 Volt Control Circuit or Transformer</li> <li>12. Pump Circuit Breaker(s) or Motor Overload Protection w/ Disconnect (3 Phase and 61 HD Series)</li> <li>13. External High Water Alarm Light</li> <li>14. Audible High Water Alarm Horn</li> <li>15. Dry Auxilliary Contacts</li> <li>16. Alarm Test and Silence Switch (Externally Mounted)</li> <li>17. Green Pump Run Light(s)</li> <li>18. Capacitors and Start Relay (1 Phase 61 HD Series)</li> <li>19. Alternating Circuit Board (Duplex)</li> <li>20. Float Status Indicator Lights</li> </ol> <p>* Standard Options</p> <p><input type="checkbox"/> Seal Fail Relay w/ Indication</p> <p><input type="checkbox"/> Thermal Cutout Circuit(s)</p> <p><input type="checkbox"/> Intrinsically Safe Relays</p> <p><input type="checkbox"/> Elapsed Time Meter(s)</p> <p><input type="checkbox"/> Event Counter(s)</p> <p><input type="checkbox"/> Flasher for High Water Alarm Light</p> <p><input type="checkbox"/> Redundant Off</p> <p><input type="checkbox"/> Inner Door</p> <p><input type="checkbox"/> Lightning Arrestor</p> <p><input type="checkbox"/> Anti-Condensation Heater</p> <p><input type="checkbox"/> Manual Alarm Reset</p> <p><b>* Consult Factory for Options Not Listed</b></p>	<p><input type="checkbox"/> <b>62 HD Series - Pg. 8</b></p> <p><input type="checkbox"/> <b>Grinder Pumps - Pg. 9</b></p> <p>Standard Features:</p> <ol style="list-style-type: none"> <li>1. NEMA-4X Thermoplastic Enclosure</li> <li>2. cULus Labeled</li> <li>3. Input Power Terminal Block</li> <li>4. Float Switch Terminal Block</li> <li>5. Ground Lug</li> <li>6. Control Side Fuses</li> <li>7. Control On/Off Switch</li> <li>8. Lockable Hasp</li> <li>9. HOA Switch(es)</li> <li>10. IEC Rated Motor Contactor(s)</li> <li>11. 120 Volt Control Circuit or Transformer</li> <li>12. Pump Disconnect(s) and Motor Overload Protection (3 Phase, 61HD Series &amp; 71 Series)</li> <li>13. External High Water Alarm Light</li> <li>14. Audible High Water Alarm Horn</li> <li>15. Dry Auxilliary Contacts</li> <li>16. Alarm Test and Silence Switch (Externally Mounted)</li> <li>17. Green Pump Run Light(s)</li> <li>18. Capacitors and Start Relay (Single Phase)</li> <li>19. Alternating Circuit Board (Duplex)</li> <li>20. Float Status Indicator Lights</li> <li>21. Seal Fail Relay(s) w/ Indication Thermal Cut-out Circuit(s)</li> </ol> <p>* Standard Options</p> <p><input type="checkbox"/> Intrinsically Safe Relays</p> <p><input type="checkbox"/> Elapsed Time Meter(s)</p> <p><input type="checkbox"/> Event Counter(s)</p> <p><input type="checkbox"/> Flasher for High Water Alarm Light</p> <p><input type="checkbox"/> Redundant Off</p> <p><input type="checkbox"/> Inner Door</p> <p><input type="checkbox"/> Lightning Arrestor</p> <p><input type="checkbox"/> Anti-Condensation Heater</p> <p><input type="checkbox"/> Manual Alarm Reset</p> <p><input type="checkbox"/> Automatic Reversing (Grinder Pump Only)</p>	<p><input type="checkbox"/> <b>Commercial Duty Ejectors - Pg. 4 &amp; 5</b></p> <p><input type="checkbox"/> <b>X61 HD and X62 HD Series - Pg. 7 &amp; 8</b></p> <p><input type="checkbox"/> <b>X70 &amp; X71 Series Grinder Pumps - Pg. 10</b></p> <p>Standard Features:</p> <ol style="list-style-type: none"> <li>1. NEMA-4X Thermoplastic Enclosure</li> <li>2. cULus Labeled</li> <li>3. Input Power Terminal Block</li> <li>4. Float Switch Terminal Block</li> <li>5. Ground Lug</li> <li>6. Control Side Fuses</li> <li>7. Control On/Off Switch</li> <li>8. Lockable Hasp</li> <li>9. HOA Switch(es)</li> <li>10. IEC Rated Motor Contactor(s)</li> <li>11. 120 Volt Control Circuit or Transformer</li> <li>12. Pump Circuit Breaker(s) or Motor Overload Protection w/ Disconnect</li> <li>13. External High Water Alarm Light</li> <li>14. Audible High Water Alarm Horn</li> <li>15. Dry Auxilliary Contacts</li> <li>16. Alarm Test and Silence Switch (Externally Mounted)</li> <li>17. Green Pump Run Light(s)</li> <li>18. Capacitors and Start Relay (1 Phase Models)</li> <li>19. Alternating Circuit Board (Duplex)</li> <li>20. Float Status Indicator Lights</li> <li>21. Seal Fail Relay(s) w/ Indication, Thermal Cut-out Circuit(s), Intrinsically Safe Relays</li> </ol> <p>* Standard Options</p> <p><input type="checkbox"/> Elapsed Time Meter(s)</p> <p><input type="checkbox"/> Event Counter(s)</p> <p><input type="checkbox"/> Flasher for High Water Alarm Light</p> <p><input type="checkbox"/> Redundant Off</p> <p><input type="checkbox"/> Inner Door</p> <p><input type="checkbox"/> Lightning Arrestor</p> <p><input type="checkbox"/> Anti-Condensation Heater</p> <p><input type="checkbox"/> Manual Alarm Reset</p> <p><input type="checkbox"/> Automatic Reversing (Grinder Pump Only)</p> <p><b>** Control Panel must be wired according to NEC and located outside the hazardous area.</b></p>

## NEMA 4X CONTROL PANELS <sup>1,2</sup> 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	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
I6161	1/2	200	1	8.8	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6161	1/2	230	1	7.5	7-15	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	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
I6163	1/2	200	1	8.5	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6163	1/2	230	1	7.5	7-15	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	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6165	1	230	1	10.2	7-15	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	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6185	1	230	1	9.8	7-15	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	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	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	1-1/2	230	1	13.7	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6186	1-1/2	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	1-1/2	230	3	9.2	6.0-10	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6186	1-1/2	460	3	4.6	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
I6188	1-1/2	200	1	16.8	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
E6188	1-1/2	230	1	14.0	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6188	1-1/2	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	1-1/2	230	3	8.9	6.0-10	10-1082	17	12" x 10" x 6"	10-1110	20	14" x 12" x 6"
G6188	1-1/2	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	1-1/2	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	20-30	10-1201	16	8" x 8" x 4"	10-1046	19	12" x 10" x 6"
E6189	2	230	1	17.1	15-20	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<sup>2,3</sup> COMMERCIAL DUTY SEWAGE EJECTORS

PUMP DATA						SIMPLEX 1,3			DUPLEX 1,3		
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	7-15	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	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	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	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6284	1	230	1	8.9	7-15	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	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" 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	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6293	1	230	1	10.2	7-15	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	1-1/2	200	1	17.8	15-20	10-1038	16	8" x 8" x 4"	10-1045	19	12" x 10" x 6"
E6294	1-1/2	230	1	13.7	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
J6294	1-1/2	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	1-1/2	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	1-1/2	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	1-1/2	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	20-30	10-1201	16	8" x 8" x 4"	10-1046	19	12" x 10" x 6"
E6295	2	230	1	17.1	15-20	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	7-15	10-1037	16	8" x 8" x 4"	10-1044	20	12" x 10" x 6"
E6404	2	230	1	12.9	7-15	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	20-30	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 <sup>1,2,3</sup>**  
**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	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
EX6161	1/2	230	1	7.5	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6161	1/2	200	1	8.8	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6161	1/2	200	3	6.4	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
FX6161	1/2	230	3	5.2	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
GX6161	1/2	460	3	2.9	2.5-4.0	10-1262	27	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
BAX6161	1/2	575	3	2.4	1.6-2.5	10-2833	27	16" x 14" x 6"	10-2834	27	16" x 14" x 6"
NX6163	1/2	115	1	15.0	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
EX6163	1/2	230	1	7.5	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6163	1/2	200	1	8.5	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6163	1/2	200	3	6.0	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
FX6163	1/2	230	3	4.8	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
GX6163	1/2	460	3	2.9	2.5-4.0	10-1262	26	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
BAX6163	1/2	575	3	2.4	1.6-2.5	10-2833	27	16" x 14" x 6"	10-2834	27	16" x 14" x 6"
EX6165	1	230	1	10.2	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6165	1	200	1	12.6	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6165	1	200	3	7.5	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
FX6165	1	230	3	7.4	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
GX6165	1	460	3	3.7	2.5-4.0	10-1262	27	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
BAX6165	1	575	3	3.0	2.5-4.0	10-1286	27	16" x 14" x 6"	10-1290	27	16" x 14" x 6"
EX6185	1	230	1	9.8	7.0-15.0	10-1278	27	28" x 20" x 10"	10-1280	28	28" x 20" x 10"
IX6185	1	200	1	11.5	7.0-15.0	10-1278	27	28" x 20" x 10"	10-1280	28	28" x 20" x 10"
JX6185	1	200	3	7.5	6.0-10.0	10-1264	27	28" x 20" x 10"	10-1270	30	28" x 20" x 10"
FX6185	1	230	3	7.4	6.0-10.0	10-1264	27	28" x 20" x 10"	10-1270	30	28" x 20" x 10"
GX6185	1	460	3	3.7	2.5-4.0	10-1262	27	28" x 20" x 10"	10-1268	30	28" x 20" x 10"
BAX6185	1	575	3	3.3	2.5-4.0	10-1286	27	28" x 20" x 10"	10-1290	30	28" x 20" x 10"
EX6186	1-1/2	230	1	13.7	7.0-15.0	10-1278	27	28" x 20" x 10"	10-1280	28	28" x 20" x 10"
IX6186	1-1/2	200	1	17.2	15.0-20.0	10-1300	27	28" x 20" x 10"	10-1302	28	28" x 20" x 10"
JX6186	1-1/2	200	3	9.2	9.0-14.0	10-1271	27	28" x 20" x 10"	10-1273	30	28" x 20" x 10"
FX6186	1-1/2	230	3	8.6	6.0-10.0	10-1264	27	28" x 20" x 10"	10-1270	30	28" x 20" x 10"
GX6186	1-1/2	460	3	4.6	4.0-6.3	10-1260	27	28" x 20" x 10"	10-1266	30	28" x 20" x 10"
EX6188	1-1/2	230	1	14.0	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6188	1-1/2	200	1	16.8	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
JX6188	1-1/2	200	3	10.3	9.0-14.0	10-1271	27	16" x 14" x 6"	10-1273	30	18" x 16" x 9"
FX6188	1-1/2	230	3	8.9	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
GX6188	1-1/2	460	3	4.6	4.0-6.3	10-1259	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6188	1-1/2	575	3	3.5	2.5-4.0	10-1286	27	16" x 14" x 6"	10-1290	27	16" x 14" x 6"
EX6189	2	230	1	17.1	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
IX6189	2	200	1	20.5	20.0-30.0	10-1301	27	16" x 14" x 6"	10-1303	28	18" x 16" x 9"
JX6189	2	200	3	13.2	13.0-18.0	10-1272	27	16" x 14" x 6"	10-1274	30	18" x 16" x 9"
FX6189	2	230	3	11.2	9.0-14.0	10-1271	27	16" x 14" x 6"	10-1273	30	18" x 16" x 9"
GX6189	2	460	3	6.0	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6189	2	575	3	5.8	4.0-6.3	10-1288	27	16" x 14" x 6"	10-1292	30	18" x 16" x 9"

**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 <sup>1,2,3</sup>**  
**INTRINSICALLY SAFE FOR HAZARDOUS ENVIRONMENT SERIES**  
**EXPLOSION PROOF 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
NX6282	1/2	115	1	10.3	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
EX6282	1/2	230	1	5.0	0-7.0	10-1277	27	16" x 14" x 6"	10-1279	28	18" x 16" x 9"
IX6282	1/2	200	1	6.1	0-7.0	10-1277	27	16" x 14" x 6"	10-1279	28	18" x 16" x 9"
JX6282	1/2	200	3	3.6	2.5-4.0	10-1262	27	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
FX6282	1/2	230	3	3.0	2.5-4.0	10-1262	27	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
GX6282	1/2	460	3	1.7	1.6-2.5	10-1282	27	16" x 14" x 6"	10-1284	30	18" x 16" x 9"
BAX6282	1/2	575	3	1.4	1.0-1.6	10-2835	27	16" x 14" x 6"	10-2836	27	16" x 14" x 6"
EX6284	1	230	1	8.9	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6284	1	200	1	9.3	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6284	1	200	3	5.5	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
FX6284	1	230	3	5.0	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
GX6284	1	460	3	2.6	2.5-4.0	10-1262	27	16" x 14" x 6"	10-1268	30	18" x 16" x 9"
BAX6284	1	575	3	2.2	1.6-2.5	10-2833	27	16" x 14" x 6"	10-2834	27	16" x 14" x 6"
NX6292	1/2	115	1	15.0	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
BAX6292	1/2	575	3	2.4	1.6-2.5	10-2833	27	16" x 14" x 6"	10-2834	27	16" x 14" x 6"
EX6293	1	230	1	10.2	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6293	1	200	1	12.0	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6293	1	200	3	8.2	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
FX6293	1	230	3	7.6	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
GX6293	1	460	3	4.0	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6293	1	575	3	3.3	2.5-4.0	10-1286	27	16" x 14" x 6"	10-1290	27	16" x 14" x 6"
EX6294	1-1/2	230	1	13.7	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6294	1-1/2	200	1	17.8	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
JX6294	1-1/2	200	3	10.8	9.0-14.0	10-1271	27	16" x 14" x 6"	10-1273	30	18" x 16" x 9"
FX6294	1-1/2	230	3	9.5	6.0-10.0	10-1264	27	16" x 14" x 6"	10-1270	30	18" x 16" x 9"
GX6294	1-1/2	460	3	4.8	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6294	1-1/2	575	3	3.8	2.5-4.0	10-1286	27	16" x 14" x 6"	10-1290	27	16" x 14" x 6"
EX6295	2	230	1	17.1	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
IX6295	2	200	1	20.5	20.0-30.0	10-1301	27	16" x 14" x 6"	10-1303	28	18" x 16" x 9"
JX6295	2	200	3	14.3	13.0-18.0	10-1272	27	16" x 14" x 6"	10-1274	30	18" x 16" x 9"
FX6295	2	230	3	12.2	9.0-14.0	10-1271	27	16" x 14" x 6"	10-1273	30	18" x 16" x 9"
GX6295	2	460	3	6.1	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6295	2	575	3	4.9	4.0-6.3	10-1288	27	16" x 14" x 6"	10-1292	30	18" x 16" x 9"
EX6404	3	230	1	12.9	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
IX6404	3	200	1	14.4	7.0-15.0	10-1278	27	16" x 14" x 6"	10-1280	28	18" x 16" x 9"
JX6404	3	200	3	13.8	13.0-18.0	10-1272	27	16" x 14" x 6"	10-1274	30	18" x 16" x 9"
FX6404	3	230	3	10.5	13.0-18.0	10-1272	27	16" x 14" x 6"	10-1274	30	18" x 16" x 9"
GX6404	3	460	3	5.2	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6404	3	575	3	4.1	4.0-6.3	10-1288	27	16" x 14" x 6"	10-1292	30	18" x 16" x 9"
EX6405	3	200	1	19.0	15.0-20.0	10-1300	27	16" x 14" x 6"	10-1302	28	18" x 16" x 9"
IX6405	3	200	1	20.2	20.0-30.0	10-1301	27	16" x 14" x 6"	10-1303	28	18" x 16" x 9"
JX6405	3	200	3	14.8	13.0-18.0	10-1272	27	16" x 14" x 6"	10-1274	30	18" x 16" x 9"
FX6405	3	230	3	12.2	9.0-14.0	10-1271	27	16" x 14" x 6"	10-1273	30	18" x 16" x 9"
GX6405	3	460	3	6.1	4.0-6.3	10-1260	27	16" x 14" x 6"	10-1266	30	18" x 16" x 9"
BAX6405	3	575	3	4.8	4.0-6.3	10-1288	27	16" x 14" x 6"	10-1292	30	18" x 16" x 9"

**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.

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**NEMA 4X CONTROL PANELS** <sup>1,2,3</sup>  
**FOR STANDARD SOLIDS HANDLING PUMPS**  
**61 HD SERIES • 1 - 10 BHP**

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	BHP	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	4.3	4.0-6.3	10-1080	17	12" x 10" x 6"	10-1108	20	14" x 12" x 6"
F6120	1	230	3	3.7	2.5-4.0	10-1078	17	12" x 10" x 6"	10-1106	20	14" x 12" x 6"
G6120	1	460	3	1.9	1.6-2.5	10-1076	17	12" x 10" x 6"	10-1104	20	14" x 12" x 6"
BA6120	1	575	3	1.6	1.6-2.5	10-1132	17	12" x 10" x 6"	10-1154	20	14" x 12" x 6"
E6121	1-1/2	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	1-1/2	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	1-1/2	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	1-1/2	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	1-1/2	575	3	2.0	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	17.0	16.0-24.0	10-0923	27	14" x 12" x 6"	10-0928	45	16" x 14" x 6"
J6123	3	200	3	11.0	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	28.0	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	28.0	21.0-30.0	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	7-1/2	200	3	25.3	23.0-32.0	10-1174	20	18" x 16" x 6"	10-1183	26	24" x 16" x 9"
F6125	7-1/2	230	3	22.0	20.0-25.0	10-1087	17	12" x 10" x 6"	10-1115	20	14" x 12" x 6"
G6125	7-1/2	460	3	11.0	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
BA6125	7-1/2	575	3	9.0	6.0-10.0	10-1138	17	12" x 10" x 6"	10-1160	20	14" x 12" x 6"
J6112	7-1/2	200	3	25.3	23.0-32.0	10-1174	20	18" x 16" x 6"	10-1183	26	24" x 16" x 9"
F6112	7-1/2	230	3	22.0	20.0-25.0	10-1087	17	12" x 10" x 6"	10-1115	20	14" x 12" x 6"
G6112	7-1/2	460	3	11.0	9.0-14.0	10-1083	17	12" x 10" x 6"	10-1111	20	14" x 12" x 6"
BA6112	7-1/2	575	3	9.0	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	18" x 16" x 6"	10-1184	26	24" x 16" x 9"
F6113	10	230	3	28.0	23.0-32.0	10-1176	20	18" x 16" x 6"	10-1185	26	24" x 16" x 9"
G6113	10	460	3	14.0	13.0-18.0	10-1084	17	12" x 10" x 6"	10-1112	20	14" x 12" x 6"
BA6113	10	575	3	11.0	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 <sup>1,2,3</sup>**  
**INTRINSICALLY SAFE FOR EXPLOSION PROOF SOLIDS HANDLING UNITS**  
**X61 HD SERIES • 1 - 10 BHP**

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	BHP	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	4.3	4.0-6.3	10-1560	25	16" x 14" x 6"	10-1588	28	16" x 14" x 6"
FX6120	1	230	3	3.7	2.5-4.0	10-1561	25	16" x 14" x 6"	10-1589	28	16" x 14" x 6"
GX6120	1	460	3	1.9	1.6-2.5	10-1562	25	16" x 14" x 6"	10-1590	28	16" x 14" x 6"
BAX6120	1	575	3	1.6	1.6-2.5	10-1563	25	16" x 14" x 6"	10-1591	28	16" x 14" x 6"
EX6121	1-1/2	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	1-1/2	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	1-1/2	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	1-1/2	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	1-1/2	575	3	2.0	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	17.0	16.0-24.0	10-1567	30	16" x 14" x 6"	10-1595	35	28" x 20" x 10"
JX6123	3	200	3	11.0	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	28.0	23.0-32.0	10-1569	30	16" x 14" x 6"	10-1597	35	28" x 20" 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	28.0	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	7-1/2	200	3	25.3	23.0-32.0	10-1577	27	18" x 16" x 6"	10-1605	30	24" x 16" x 9"
FX6125	7-1/2	230	3	22.0	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	16" x 14" x 6"
GX6125	7-1/2	460	3	11.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
BAX6125	7-1/2	575	3	9.0	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	28	16" x 14" x 6"
JX6112	7-1/2	200	3	25.3	23.0-32.0	10-1577	27	18" x 16" x 6"	10-1605	30	24" x 16" x 9"
FX6112	7-1/2	230	3	22.0	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	16" x 14" x 6"
GX6112	7-1/2	460	3	11.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	28	16" x 14" x 6"
BAX6112	7-1/2	575	3	9.0	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 6"	10-1606	30	24" x 16" x 9"
FX6113	10	230	3	28.0	23.0-32.0	10-1579	27	18" x 16" x 6"	10-1607	30	24" x 16" x 9"
GX6113	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"
BAX6113	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"

**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 <sup>1,2,3</sup>**  
**FOR STANDARD SOLIDS HANDLING PUMPS**  
**62 HD SERIES • 5 - 20 BHP**

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	BHP	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	21.0-30.0	10-0494	27	14" x 12" x 6"	10-0497	30	18" x 16" x 9"
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	7-1/2	230	1	36.7	31.0-40.0	10-0495	27	14" x 12" x 6"	10-0498	30	24" x 16" x 9"
J6221	7-1/2	200	3	25.0	23.0-32.0	10-1177	21	18" x 16" x 6"	10-1186	29	24" x 16" x 9"
F6221	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"
G6221	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"
BA6221	7-1/2	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	18" x 16" x 10"	10-1187	29	24" x 16" x 9"
F6222	10	230	3	28.0	23.0-32.0	10-1179	21	18" x 16" x 10"	10-1188	29	24" x 16" x 9"
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	48.0-65.0	10-1180	21	18" x 16" x 10"	10-1189	32	28" x 20" x 10"
F6223	15	230	3	41.7	37.0-50.0	10-3074	21	18" x 16" x 10"	10-3075	30	28" x 20" x 9"
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	32	28" x 20" x 10"
F6224	20	230	3	54.0	48.0-65.0	10-1948	21	18" x 16" x 10"	10-1949	32	28" x 20" x 10"
G6224	20	460	3	27.0	24.0-32.0	10-1950	21	18" x 16" x 10"	10-1951	29	24" x 16" x 9"
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 <sup>1,2,3</sup>**  
**INTRINSICALLY SAFE FOR EXPLOSION PROOF SOLIDS HANDLING UNITS**  
**X62 HD SERIES • 5 - 20 BHP**

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	BHP	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	21.0-30.0	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	7-1/2	230	1	36.7	31.0-40.0	10-2488	29	16" x 14" x 6"	10-2494	34	24" x 16" x 9"
JX6221	7-1/2	200	3	25.0	23.0-32.0	10-1577	27	18" x 16" x 6"	10-1605	30	24" x 16" x 9"
FX6221	7-1/2	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	7-1/2	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	7-1/2	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	27	18" x 16" x 6"	10-1606	30	24" x 16" x 9"
FX6222	10	230	3	28.0	23.0-32.0	10-1579	27	18" x 16" x 6"	10-1607	30	24" x 16" x 9"
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	48.0-65.0	10-2489	45	24" x 20" x 11"	10-2495	75	30" x 24" x 13"
FX6223	15	230	3	41.7	37.0-50.0	10-3092	45	24" x 20" x 11"	10-3093	75	30" x 24" x 13"
GX6223	15	460	3	20.9	20.0-25.0	10-1575	25	16" x 14" x 6"	10-1603	28	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	28	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	10-2490	45	24" x 20" x 11"	10-2496	75	30" x 24" x 13"
GX6224	20	460	3	27.0	24.0-32.0	10-3090	45	24" x 20" x 11"	10-3091	75	30" x 24" x 13"
BAX6224	20	575	3	22.0	20.0-25.0	10-2492	25	16" x 14" x 6"	10-2498	28	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	BHP	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	10-1650	15	14" x 12" x 6"	10-1652	22	18" x 16" x 8"
I7012	2	200	1	20.0	15.0-20.0	10-1650	15	14" x 12" x 6"	10-1652	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	10-1650	15	14" x 12" x 6"	10-1652	22	18" x 16" x 8"
I7013	2	200	1	20.0	15.0-20.0	10-1650	15	14" x 12" x 6"	10-1652	22	18" x 16" x 8"
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 9"
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 9"
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	23.0-32.0	10-1177	21	18" x 16" x 6"	10-1186	30	28" x 20" x 9"
F7112	7-1/2	230	3	22.0	20.0-25.0	10-1101	21	18" x 16" x 6"	10-1129	22	28" x 20" x 9"
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"

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

PUMP DATA					SIMPLEX				DUPLEX		
Model Number	BHP	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"x12"x6"	10-1552	33	16"x14"x6"
I7011	2	200	1	20.0	15.0-20.0	10-1551	22	14"x12"x6"	10-1552	33	16"x14"x6"
J7011	2	200	3	12.3	9.0-14.0	10-1701	26	16"x14"x6"	10-1700	30	18"x16"x10"
F7011	2	230	3	10.8	9.0-14.0	10-1701	26	16"x14"x6"	10-1700	30	18"x16"x10"
G7011	2	460	3	5.5	4.0-6.3						
BA7011	2	575	3	4.5	4.0-6.3						
J7110RV	3	200	3	17.3	17.0-23.0	10-2433	26	16"x14"x6"	10-1530	30	18"x16"x10"
F7110RV	3	230	3	15.1	13.0-18.0	10-1858	26	16"x14"x6"	10-1498	30	18"x16"x10"
G7110RV	3	460	3	7.5	6.0-10.0				10-1341	30	18"x16"x10"
BA7110RV	3	575	3	6.0	6.0-10.0						
J7111RV	5	200	3	20.7	17.0-23.0	10-2433	26	16"x14"x6"	10-1530	30	18"x16"x10"
F7111RV	5	230	3	18.0	17.0-23.0	10-2433	26	16"x14"x6"	10-1530	30	18"x16"x10"
G7111RV	5	460	3	9.0	9.0-14.0	10-1701	26	16"x14"x6"	10-1700	30	18"x16"x10"
BA7111RV	5	575	3	7.2	6.0-10.0						
J7112RV	7-1/2	200	3	25.3	23.0-32.0				10-1466	30	18"x16"x10"
F7112RV	7-1/2	230	3	22.0	20.0-25.0				10-1790	30	18"x16"x10"
G7112RV	7-1/2	460	3	11.0	9.0-14.0	10-1701	26	16"x14"x6"	10-1700	30	18"x16"x10"
BA7112RV	7-1/2	575	3	9.0	9.0-14.0						

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	BHP	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	23.0-32.0	10-1574	25	16" x 14" x 6"	10-1602	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	25	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	25	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	25	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	25	16" x 14" x 6"
EX7111	5	230	1	28.0	23.0-32.0	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	7-1/2	200	3	25.3	23.0-32.0	10-1577	27	18" x 16" x 6"	10-1605	35	28" x 20" x 10"
FX7112	7-1/2	230	3	22.0	17.0-23.0	10-1570	25	16" x 14" x 6"	10-1598	25	16" x 14" x 6"
GX7112	7-1/2	460	3	11.0	9.0-14.0	10-1568	25	16" x 14" x 6"	10-1596	25	16" x 14" x 6"
BAX7112	7-1/2	575	3	9.0	9.0-14.0	10-1576	25	16" x 14" x 6"	10-1604	25	16" x 14" x 6"

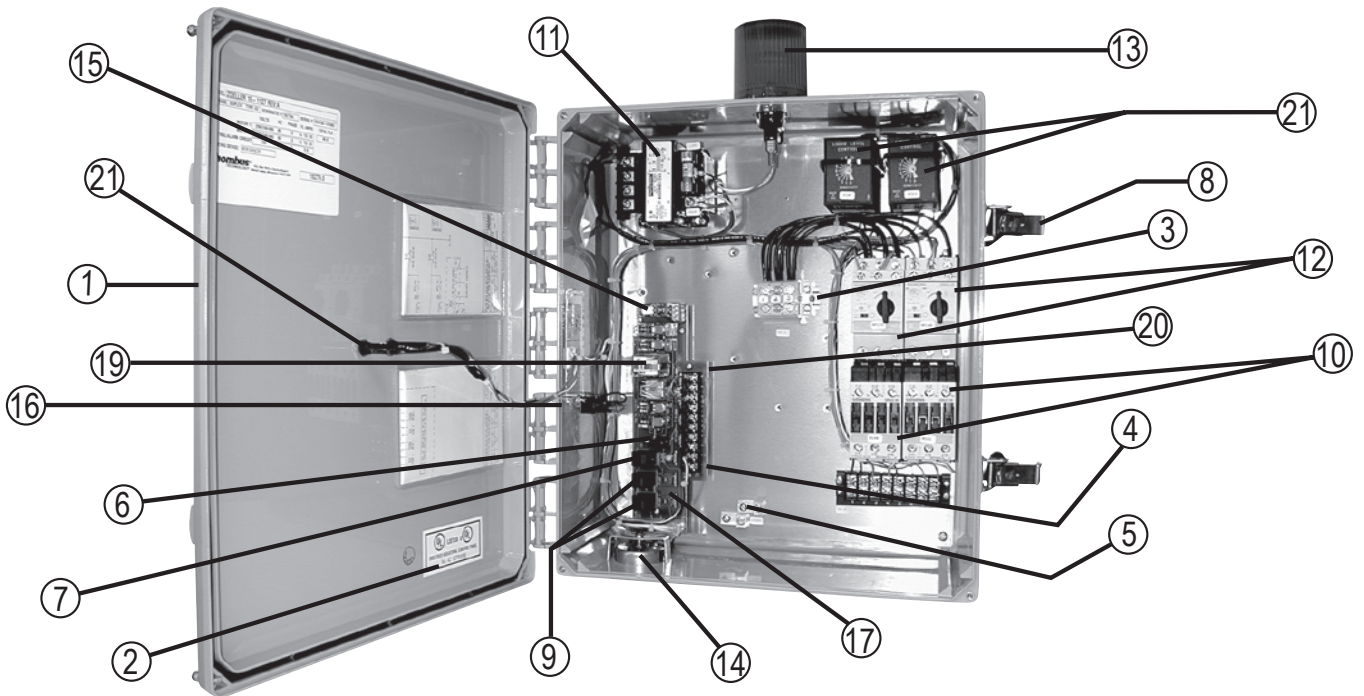
**NEMA 4X CONTROL PANELS 1,2,3**  
**INTRINSICALLY SAFE**  
**EXPLOSION PROOF GRINDER PUMPS, 2 - 7½ BHP**  
**AUTOMATIC REVERSING PUMPS**

PUMP DATA						SIMPLEX			DUPLEX		
Model Number	BHP	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 10"
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 10"
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 10"
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 10"
JX7110RV	2	200	3	17.3	17.0-23.0				10-2759	34	24" x 16" x 10"
FX7110RV	2	230	3	15.1	13.0-18.0				10-2246	34	24" x 16" x 10"
GX7110RV	2	460	3	7.5	6.0-10.0	10-1862	27	24" x 16" x 10"	10-2548	34	24" x 16" x 10"
BAX7110RV	2	575	3	6.0	6.0-10.0						
JX7111RV	5	200	3	20.7	17.0-23.0				10-2759	34	24" x 16" x 10"
FX7111RV	5	230	3	18.0	17.0-23.0				10-2759	34	24" x 16" x 10"
GX7111RV	5	460	3	9.0	9.0-14.0	10-2710	27	24" x 16" x 10"	10-2714	34	24" x 16" x 10"
BAX7111RV	5	575	3	7.2	6.0-10.0						
JX7112RV	7.5	200	3	25.3	23.0-32.0				10-1913	34	24" x 16" x 10"
FX7112RV	7.5	230	3	22.0	20.0-25.0						
GX7112RV	7.5	460	3	11.0	9.0-14.0	10-2710	27	24" x 16" x 10"	10-2714	34	24" x 16" x 10"
BAX7112RV	7.5	575	3	9.0	9.0-14.0						

**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"> <li>1. NEMA-4X Thermoplastic Enclosure</li> <li>2. cULus Labeled</li> <li>3. Input Power Terminal Block</li> <li>4. Float Switch Terminal Block</li> <li>5. Ground Lug</li> <li>6. Control Side Fuses</li> <li>7. Control On/Off Switch</li> <li>8. Lockable Hasp</li> <li>9. HOA Switch(es)</li> <li>10. IEC Rated Motor Contactor(s)</li> <li>11. 120 Volt Control Circuit Transformer<br/>Used on 3 Phase Panels</li> </ol> | <ol style="list-style-type: none"> <li>12. Pump Disconnect(s) and Motor Overload Protection (3 Phase and Large Single Phase)</li> <li>13. External High Water Alarm Light</li> <li>14. Audible High Water Alarm Horn</li> <li>15. Dry Auxilliary Contacts For High Water Alarm</li> <li>16. Alarm Test and Silence Switch (Externally Mounted)</li> <li>17. Green Pump Run Light(s)</li> <li>18. Capacitors and Start Relay</li> <li>19. Alternating Circuit Board (Duplex)</li> <li>20. Float Status Indicator Lights</li> <li>21. Seal Fail Relay(s) w/ Indication Thermal Cut-out Circuit(s)</li> </ol> |
|---|--|



### COMMON OPTIONS

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> External Seal-Fail Indication</li> <li><input type="checkbox"/> Thermal Sensor Cut-Out</li> <li><input type="checkbox"/> Elapsed Time Meters</li> <li><input type="checkbox"/> Event Counter</li> <li><input type="checkbox"/> High Water Alarm Flash</li> <li><input type="checkbox"/> Redundant Off</li> <li><input type="checkbox"/> Manual Alarm Reset</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Inner Door</li> <li><input type="checkbox"/> Lightning Arrestor</li> <li><input type="checkbox"/> Anti-Condensation Heater</li> <li><input type="checkbox"/> Automatic Reversing (Grinder Pumps Only)</li> <li><input type="checkbox"/> Intrinsically Safe Relays</li> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> </ul> |
|---|--|



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