Enclosed Control Freedom *XT* and *IT*.

NEMA

ECN 22 2 1 A A F❶ -

NEMA Design
H = Freedom HVAC❷
N = Freedom
T = *IT*.❸

❷ See Freedom HVAC Starters Catalog Numbering System to the right.

❸ For *IT*. NEMA Starters – add an 11th character for the corresponding overload selection.

NEMA Size
A = 00 5 = 5
0 = 0 6 = 6
1 = 1 7 = 7
2 = 2 8 = 8
3 = 3 9 = 9
4 = 4

Modification Codes
See Chart 9

Cover Control (Starters Only)
See Charts 3 & 4

Coil Voltage and/or Control Transformer
See Charts 1 & 2

Class
01 = Contactors
02 = Reversing Contactors
05 = FVNR Starter, Non-Combination
06 = Reversing, Non-Combination
07 = FVNR Non-Combination, with CPT
08 = Single-Phase FVNR (Freedom Only)
16 = Combination with Disconnect Switch
17 = Reversing, Combination with Disconnect Switch
18 = Combination with Disconnect Switch, with CPT
22 = Combination with HMCP/E
23 = Reversing, Combination with HMCP/E
24 = Combination with HMCP with CPT
33 = Multispeed 2S2W Non-Combination
34 = Multispeed 2S1W CT or VT Non-Combination
35 = Multispeed 2S1W CH Non-Combination
36 = Multispeed with Disconnect Switch, 2S2W
37 = Multispeed with Disconnect Switch, 2S1W CT or VT
38 = Multispeed with Disconnect Switch, 2S1W CH
39 = Multispeed with HMCP, 2S2W
40 = Multispeed with HMCP, 2S1W CT or VT
41 = Multispeed with HMCP, 2S1W CH
42 = Autotransformer, Non-Combination
43 = Autotransformer, with Disconnect Switch
44 = Autotransformer, with HMCP
45 = Part-Winding, Non-Combination
46 = Part-Winding, with Disconnect Switch
47 = Part-Winding, with Thermal Magnetic Circuit Breakers
48 = Y-D, Open Transition, Non-Combination
49 = Y-D, Open Transition, with Disconnect Switch
50 = Y-D, Open Transition, with Thermal Magnetic Circuit Breakers
51 = Y-D, Closed Transition, Non-Combination
52 = Y-D, Closed Transition, with Disconnect Switch
53 = Y-D, Closed Transition, with Thermal Magnetic Circuit Breakers
62 = Autotransformer Pump Panel, Disconnect Switch
63 = Autotransformer Pump Panel, HMCP
64 = Part-Winding Pump Panel, Disconnect
65 = Part-Winding Pump Panel, HMCP
68 = Duplex, Non-Combination
69 = Duplex, with Disconnect Switch
70 = Duplex, with HMCP

Disconnect Fuse Clip Ratings
A = None
B = 30 A/250 V (R)
C = 30 A/600 V (R)
D = 60 A/250 V (R)
E = 60 A/600 V (R)
F = 100 A/250 V (R)
G = 100 A/600 V (R)
H = 200 A/250 V (R)
J = 200 A/600 V (R)
K = 400 A/250 V (R)
L = 400 A/600 V (R)
M = 600 A/250 V (R)
N = 600 A/600 V (R)
P = 800 A/600 V (L)
Q = 1200 A/600 V (L)
R = 1600 A/600 V (L)
S = 2000 A/600 V (L)
T = By Description

HMCP/E or Breaker Ratings
A = None
B = 3 A
C = 7 A
D = 15 A
E = 30 A
W = 70 A
G = 100 A
H = 150 A
J = 250 A

❶ For non-combination contactors and starters, include the letter (A) as the 10th character.

Enclosure Type
1 = Type 1 – General Purpose
2 = Type 3R – Rainproof
3 = Type 4 – Watertight (Painted Steel)
4 = Type 4X – Watertight (Stainless Steel)
5 = Type 4X – Corrosion (Non-Metallic)
6 = Type 7/9 – Bolted Hazardous Location
7 = Type 7/9 – Threaded Hazardous Location
8 = Type 12 – Dust-Tight
9 = Type 4X – Stainless Steel (316-Grade)
A = Type 3R – Rainproof (304-Grade Stainless Steel)

NEMA Size Starter	Ampere Rating	Horsepower Rating (Volts) 60 Hz						
		1-Phase		3-Phase				
		115	230	200	230	460	575	
00	9	.33	1	1.5	1.5	2	2	
0	18	1	2	3	3	5	5	
1	27	2	3	7.5	7.5	10	10	
2	45	3	7.5	10	15	25	25	
3	90	7.5	15	25	30	50	50	
4	135	—	—	40	50	100	100	
5	270	—	—	75	100	200	200	

Example: ECN1632ABG
Freedom combination with disconnect switch Size 3, NEMA Type 3R enclosure, without CPT, magnet coil of 120 V Start/Stop pushbutton with 100 A,600 V fuse.

IEC

ECR 05 D 1 A A A -

IEC Design
X = *XT*❶
R = *IT*.❶

❶ For *IT*. and *XT* IEC Starters, add an 11th character for the corresponding overload selection.

Class
01 = Contactors
02 = Reversing Contactors
05 = FVNR Starter, Non-Combination, Fixed Heater OLR (*XT* Compact Version)
06 = Reversing Starter, Fixed Heater OLR (*IT*. Only) Heater OLR
09 = FVNR Starter, Non-Combination, Fixed Heater OLR (*XT* Only)
10 = Reversing Starter, Non-Combination, Fixed Heater OLR (*XT* Only)
11 = FVNR Starter, Non-Combination, Fixed Heater OLR, with CPT (*XT* Only)
16 = Fusible Switch, Fixed Heater OLR, FVNR (*IT*. Only)
17 = Fusible Switch, Fixed Heater OLR, FVR (*IT*. Only)
19 = Fusible Switch, Fixed Heater OLR FVNR (*XT* Only)
20 = Fusible Switch, Fixed Heater OLR FVR (*XT* Only)
22 = HMCPE, Fixed Heater OLR, FVNR (*IT*. Only)
23 = HMCPE, Fixed Heater OLR, FVR (*IT*. Only)
25 = HMCPE, Fixed Heater OLR FVNR
26 = HMCPE, Fixed Heater OLR FVR
76 = Combination Motor Controller (*XT* Only)
77 = Reversing Combination Motor Controller (*XT* Only)

Modification Codes
(Including Fixed Heaters for Classes 9, 10 & 11) See Chart 9

Disconnect Fuse Clip Ratings
A = None
B = 30 A/250 V (R)
C = 30 A/600 V (R)
D = 60 A/250 V (R)
E = 60 A/600 V (R)
F = 100 A/250 V
G = 100 A/600 V
H = 200 A/250 V
J = 200 A/600 V
K = 400 A/250 V
L = 400 A/600 V
M = 600 A/250 V
N = 600 A/600 V
P = 800 A/600 V
T = By Description

HMCP/E or Breaker Ratings
A = None
B = 3 A
C = 7 A
D = 15 A
E = 30 A
W = 70 A
G = 100 A
H = 150 A
J = 250 A

Cover Control (Starters Only)
See Charts 3 & 4

Coil Voltage and/or Control Transformer
See Charts 1 & 2

Enclosure Type
1 = Type 1 – General Purpose
2 = Type 3R – Rainproof
3 = Type 4 – Watertight (Painted Steel)
4 = Type 4X – Watertight (Stainless Steel)
5 = Type 4X – Corrosion (Non-Metallic)
8 = Type 12 – Dust-Tight
9 = Type 4X – Stainless Steel (316-Grade)

Ampere Rating (UL 600 V)

IT. IEC	*XT* IEC
A = 6 A	B = 7 A
B = 9 A	C = 9 A
C = 12 A	D = 12 A
D = 18 A	E = 15 A
E = 25 A	F = 18 A
F = 32 A	G = 25 A
G = 40 A	H = 32 A
H = 50 A	J = 40 A
J = 65 A	K = 50 A
K = 85 A	L = 65 A
L = 100 A	M = 80 A
M = 125 A	N = 95 A
N = 160 A	P = 115 A
P = 200 A	Q = 150 A
R = 250 A	
S = 315 A	
T = 400 A	

Enclosed Control Lighting Controllers

ECL 12 D 1 A 3 E -

Design
L = Lighting – CN35 and A202
C = Lighting – C30CN ❶

❶ C30CN = 30 amperes only.

Class
03 = Contactors – Electrically Held CN35/C30CN
04 = Contactors – Mechanically Held C30CN, Magnetic A202
12 = Combination, Fusible – Electrically Held
13 = Combination, Fusible – Mechanically/ Magnetically Held
14 = Combination, Thermal Magnetic Circuit Breakers – Electrically Held
15 = Combination, Thermal Magnetic Circuit Breakers – Mechanically/ Magnetically Held

Ampere Rating
A = 10 A F = 200 A
B = 20 A G = 300 A
C = 30 A H = 400 A
D = 60 A
E = 100 A
C30CN = 30 Amperes Only

Enclosure Type
1 = Type 1 – General Purpose
2 = Type 3R – Rainproof
3 = Type 4 – Watertight (Painted Steel)
4 = Type 4X – Watertight (Stainless Steel)
6 = Type 7/9 – Bolted Hazardous Location
7 = Type 7/9 – Threaded Hazardous Location
8 = Type 12 – Dust-Tight
9 = Type 4X – Stainless Steel (316-Grade)

Coil Voltage
See Charts 1 & 2

Modification Codes
(Including Cover Control) See Chart 9

Disconnect Fuse Clip Ratings
A = None
B = 30 A/250 V
C = 30 A/600 V
D = 60 A/250 V
E = 60 A/600 V
F = 100 A/250 V
G = 100 A/600 V
H = 200 A/250 V
J = 200 A/600 V
K = 400 A/250 V
L = 400 A/600 V
M = 600 A/250 V
N = 600 A/600 V
P = 800 A/600 V
T = By Description

Thermal Magnetic Breaker Ratings
A = None
B = 20 A
E = 30 A
F = 60 A
G = 100 A
H = 200 A
J = 300 A
K = 400 A
L = 600 A
M = 800 A
T = By Description

Total Number of Poles ❷
2 = 2 Poles Required
3 = 3 Poles Required
4 = 4 Poles Required
5 = 5 Poles Required
6 = 6 Poles Required
7 = 7 Poles Required
8 = 8 Poles Required
9 = 9 Poles Required
A = 10 Poles
B = 12 Poles
C = 20 Poles
Z = Consult Factory
Combination Devices – 3-Pole Only
Other Poles – Consult Factory

❷ For NC poles on ECD product, see Modification Codes.

Enclosed Control Soft Starters

ECS 92 W 2 Q A H -

Design
S = Soft Starter

Class
90 = S801/S752 Non-Combination
91 = S801/S752 Disconnect Switch
92 = S801/S752 Breaker
93 = S811 Non-Combination
94 = S811 Disconnect Switch
95 = S811 Breaker

Ampere Rating

S752	S801/S811
J = 0.8 A	Q = 37 A
K = 1.9 A	S = 66 A
L = 4.4 A	V = 105 A
M = 9.0 A	W = 135 A
N = 16 A	Y = 180 A
P = 27 A	Z = 240 A
R = 50 A	1 = 304 A
	2 = 360 A
	3 = 420 A
	4 = 500 A
	5 = 650 A
	6 = 720 A
	7 = 850 A
	8 = 1000 A

Enclosure Type
1 = Type 1 – General Purpose
2 = Type 3R – Rainproof
3 = Type 4 – Watertight (Painted Steel)
4 = Type 4X – Watertight (Stainless Steel)
6 = Type 7/9 – Bolted Hazardous Location
7 = Type 7/9 – Threaded Hazardous Location
8 = Type 12 – Dust-Tight
9 = Type 4X – Stainless Steel (316-Grade)

Control Power Transformer
See Chart 2

Modification Codes
See Chart 9

Disconnect Fuse Clip Ratings
A = None
B = 30 A/250 V (R)
C = 30 A/600 V (R)
D = 60 A/250 V (R)
E = 60 A/600 V (R)
F = 100 A/250 V (R)
G = 100 A/600 V (R)
H = 200 A/250 V (R)
J = 200 A/600 V (R)
K = 400 A/250 V (R)
L = 400 A/600 V (R)
M = 600 A/250 V (R)
N = 600 A/600 V (R)
P = 800 A/600 V (L)
Q = 1200 A/600 V (L)
R = 1600 A/600 V (L)
S = 2000 A/600 V (L)
T = By Description

HMCP or Breaker Ratings
A = None
B = 3 A
C = 7 A
D = 15 A
E = 30 A
F = 50 A
G = 100 A
H = 150 A
J = 250 A
K = 400 A
L = 600 A
M = 800 A
N = 1000 A
P = 1200 A
Q = 2000 A
R = 3000 A
T = By Description

Cover Control
A = Use Modification Codes

Freedom HVAC Starters

ECH 22 0 1 A H -

Design
H = HVAC Control

Class
16 = Disconnect Switch
18 = Disconnect Switch with CPT
22 = HMCP/E
24 = HMCP/E with CPT

NEMA Size
0 = Size 0
1 = Size 1
2 = Size 2

Enclosure Type
1 = Type 1

Magnet Coil/CPT Voltage

Without CPT	CPT Primary/ Secondary
A = 120 V/60 Hz	B = 240 V/120 V
B = 240 V/60 Hz	C = 480 V/120 V
C = 460 V/60 Hz	D = 575 V/120 V
D = 575 V/60 Hz	E = 208 V/120 V
E = 208 V/60 Hz	S = 480 V/24 V
T = 24 V/60 Hz	T = 600 V/24 V

Modification Codes
See Chart 9

Disconnect
See Freedom NEMA Disconnect Fuse Clip Ratings. Note: Fuse ratings for HVAC Starters are Type J.

Cover Control
A = None
H = HOA
J = HOA & Red Light

Cover Control
See Charts 3 & 4

Voltage
B = 208 – 240 V
C = 380 – 575 V

Enclosed Microdrive

ECS 80 B 1 B A A -

Design
S = Solid-State

Class
80 = Non-combination
81 = Disconnect Switch Combination
82 = Motor Circuit Protector Combination

Frame (hp)
B = 1/2❷ F = 5
C = 1 G = 7-1/2
D = 2 H = 10❸
E = 3

Enclosure Type
1 = 1 – General Purpose
2 = 3R – Rainproof
3 = 4 – Painted Steel
4 = 4X – 304-Grade Stainless Steel
8 = 12 – Dust-Tight
9 = 4X – 316-Grade Stainless Steel

❷ Frame (hp) only available at 208 – 240 V.
❸ Frame (hp) only available at 380 – 575 V.

Modification Codes
See Chart 9

Disconnect Rating Fuse Clips
A = None
C = 30 A (J)
E = 30 A (R)

Circuit Breaker Ratings
A = 15 A
B = 20 A
D = 30 A
E = 40 A
F = 50 A

Cover Control
See Charts 3 & 4

Voltage
B = 208 – 240 V
C = 380 – 575 V

Chart 1: Magnet Coil Codes (System Voltage) ❹

A = 120/60 110/50
B = 240/60 220/50
C = 480/60 440/50
D = 575/60 550/50
E = 208/60
G = 550/50
H = 277/60
J = 208 – 240/60
K = 240/50
L = 380/50
M = 415/50
P = 12 Vdc
Q = 24 Vdc
R = 48 Vdc
S = 120/125 Vdc
T = 24/60
U = 24/50
V = 32/50
W = 48/60
X = 194 – 120/60
Y = 48/50
Z = By Description

❹ When control power transformer Modification Codes (CI – CII) are used, pick the system (primary) voltage from this chart. See Chart 2.

Note: All *IT*. contactors and starters are furnished with 24 Vdc coil and control power supply. The eighth digit G denotes separate 24 Vdc control source.

Chart 2: Control Power Transformer Codes (System Voltage)

Code	Primary	Secondary
B	240/480 – 220/440 Wired for 240	120/60 – 110/50
C	240/480 – 220/440 Wired for 480	120/60 – 110/50
D	575/60 – 550/50	120/60 – 110/50
E	208/60	120/60
F	277/60	120/60
K	380/415 V	220 V
L	380/50	110/50
M	415/50	110/50
P	120/60	24
Q	208/60	24
R	240/480 – 220/440 Wired for 240	24
S	240/480 – 220/440 Wired for 480	24
T	575/60	24
U	277/60	24
V	380/50	24
W	415/50	24
X	240/480/600 Wired for 480	120
Y	240/480/600 Wired for 480	24
Z	By Description	

Note: Use when ordering classes with CPT installed (i.e., ECN 18) and when using Modification Codes CI – CII.

Chart 3: Cover Control — Non-Reversing ❺

A = None
B = Start/Stop Pushbuttons
C = Start/Stop Pushbuttons, Run (R) Pilot Light
D = Start/Stop Pushbuttons, Run (R), Off (G) Pilot Lights
E = On/Off Pushbuttons
F = On/Off Pushbuttons, Run (R) Pilot Light
G = On/Off Pushbuttons, Run (R), Off (G) Pilot Lights
H = Hand/Off/Auto Selector Switch
J = Hand/Off/Auto Selector Switch, Run (R) Pilot Light
K = Hand/Off/Auto Selector Switch, Run (R), Off (G) Pilot Lights
L = Start Pushbutton
M = On Pushbutton
N = Off Pushbutton
P = Run-Red Pilot Light
Q = Off-Green Pilot Light
R = Run (R) - Off (G) Pilot Lights
S = Start/Stop Selector Switch
T = Start/Stop Selector Switch, Run (R) Pilot Light
U = Start/Stop Selector Switch, Run (R), Off (G) Pilot Lights
V = On/Off Selector Switch
W = On/Off Selector Switch, Run (R) Pilot Light
X = On/Off Selector Switch, Run (R), Off (G) Pilot Lights
Z = By Description

❺ Starters only — contactor cover control: use Modification Codes.

Chart 4: Cover Control — Reversing ❻

Use for Class 06, 10, 17, 20, 23, 26

A = None
B = Forward/Reverse/Stop Pushbuttons
C = Forward/Reverse/Stop Pushbuttons, 2 Red Pilot Lights
D = Forward/Reverse/Stop Pushbuttons, 2 Red, 1 Green Pilot Lights
E = Up/Stop/Down Pushbuttons
F = Up/Stop/Down Pushbuttons, 2 Red Pilot Lights
H = Forward/Off/Reverse Selector Switch
J = Forward/Off/Reverse Selector Switch, 2 Red Pilot Lights
K = Forward/Off/Reverse Selector Switch, 2 Red, 1 Green Pilot Lights
P = 2 Red Pilot Lights
Q = 1 Green Pilot Light
R = 2 Red, 1 Green Pilot Lights
U = Open/Off/Close Selector Switch
W = Open/Off/Close Selector Switch, 2 Red Pilot Lights
X = Open/Off/Close Selector Switch, 2 Red, 1 Green Pilot Lights
Z = By Description

❻ Starters only — contactor cover control: use Modification Codes.

Chart 5: Overload Size (*IT*. NEMA)

For *IT*. NEMA Starters, Add an 11th Digit to Choose Overload Size

FLA Range	Size						
	00	0	1	2	3	4	5
.25 – .8	A	A	A	—	—	—	—
.59 – 1.9	B	B	B	—	—	—	—
1.4 – 4.4	C	C	C	—	—	—	—
2.8 – 9.0	D	D	D	—	—	—	—
5.0 – 16	—	—	F	—	—	—	—
6.3 – 20	—	G	—	—	—	—	—
8.4 – 27	—	—	H	—	—	—	—
14 – 45	—	—	—	K	—	—	—
28 – 90	—	—	—	—	M	—	—
42 – 135	—	—	—	—	—	P	—
84 – 270	—	—	—	—	—	—	S

Example: ECT2238CAG-M = Size 3 *IT*. combination NEMA 12, 28 – 90 ampere overload.

Chart 6: Overload Size (*IT*. IEC)

For *IT*. IEC Starters, Add an 11th Digit to Choose Overload Size

FLA Range	A-Frame 27 mm			B-Frame 45 mm			C-Frame 54 mm		D-Frame 76 mm			E-Frame 105 mm			F-Frame 140 mm		
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
	6	9	12	18	25	32	40	50	65	80	100	125	160	200	250	315	420
.25 – .8	A	—	—	A	—	—	—	—	—	—	—	—	—	—	—	—	—
.59 – 1.9	B	—	—	B	—	—	—	—	—	—	—	—	—	—	—	—	—
1.4 – 4.4	C	C	—	C	—	—	—	—	—	—	—	—	—	—	—	—	—
2.8 – 9.0	—	D	D	—	D	—	—	—	—	—	—	—	—	—	—	—	—
3.8 – 12	—	—	E	E	—	—	—	—	—	—	—	—	—	—	—	—	—
5.0 – 16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6.3 – 20	—	—	—	G	G	—	—	—	—	—	—	—	—	—	—	—	—
8.4 – 27	—	—	—	—	—	—	—	H	—	—	—	—	—	—	—	—	—
10 – 32	—	—	—	—	J	J	—	—	—	—	—	—	—	—	—	—	—
14 – 45	—	—	—	—	—	—	—	—	—	K	—	—	—	—	—	—	—
16 – 50	—	—	—	—	—	—	L	L	—	—	—	—	—	—	—	—	—
31 – 100	—	—	—	—	—	—	—	—	N	N	N	—	—	—	—	—	—
42 – 135	—	—	—	—	—	—	—	—	—	—	—	P	—	—	—	—	—
63 – 200	—	—	—	—	—	—	—	—	—	—	—	—	R	R	—	—	—
84 – 270	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—
131 – 420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	T	T

Chart 7: XTOB Overload Relays

FLA Range	Frame Size				
	B 12	C 32	D 65	F 95	G 150
0.1 – 0.16	A	A	—	—	—
0.16 – 0.24	B	B	—	—	—
0.24 – 0.4	C	C	—	—	—
0.4 – 0.6	D	D	—	—	—
0.6 – 1	E	E	—	—	—
1 – 1.6	F	F	—	—	—
1.6 – 2.4	G	G	—	—	—
2.4 – 4	H	H	—	—	—
6 – Apr	I	I	—	—	—
10 – Jun	J	J	J	—	—
12 – Sep	K	—	—	—	—
16 – Oct	—	L	L	—	—
16 – 24	—	M	M	—	—
24 – 32	—	N	N	—	—
24 – 40	—	—	O	—	—
25 – 35	—	—	—	S	S
35 – 50	—	—	—	T	T
40 – 57	—	—	P	—	—
50 – 65	—	—	Q	—	—
50 – 70	—	—	—	U	U
70 – 100	—	—	—	V	V
95 – 125	—	—	—	—	W

Chart 8: Modification Codes — Solid-State Overload for Freedom Starters

NEMA Size	Full Load Current Adjustment Range (A)	3-Phase Manual Reset Overload	3-Phase Automatic/ Manual Reset	Ground Fault
		Class		
		10	20	10/20
Catalog Number Suffix		R52	R50	R53	R51	R54
00	0.1 – 1.3	G101	G81	G141	G121	G221
	0.3 – 1.0	G102	G82	G142	G122	G222
	1.0 – 2.9	G103	G83	G143	G123	G223
	1.6 – 5.0	G104	G84	G144	G124	G224
	3.7 – 12	G105	G85	G145	G125	G225
0 & 1	0.1 – 1.3	G101	G81	G141	G121	G221
	0.3 – 1.0	G102	G82	G142	G122	G222
	1.0 – 2.9	G103	G83	G143	G123	G223
	1.6 – 5.0	G104	G84	G144	G124	G224
	3.7 – 12	G105	G85	G145	G125	G225
	12 – 32	G106	G86	G146	G126	G226
2	12 – 37	G107	G87	G147	G127	—
	14 – 45	G108	G88	G148	G128	G227
3	26 – 85	G109	G89	G149	G129	G228
4	57 – 180	G112	G92	G152	G132	—
5	96 – 300	G104	G84	G144	G124	—
6	192 – 600	G104	G84	G144	G124	—

Example: R50/G87 = Class 20, 12 – 37 ampere overload for A Size 2 starters.

Chart 9: Typical Examples of Common Modification Codes

A1 = Ammeter, panel type wired to current transformer in line.
A2 = Ammeter, panel type, selector switch, and 3 current transformers wired to ammeter.
A7 = Ammeters, (single-phase) total of 3.
A13 = Auxiliary Contact, 1NO top mounted.
A15 = Auxiliary Contact, 1NO – 1NC top mounted.
A16 = Auxiliary Contact, 2NO top mounted.
A44 = Auxiliary Contact, omitted.
A23 = Auxiliary Contact, 2NO – 2NC top mounted.
A29 = Auxiliary Contact, 1NO – 1NC side mounted.
B1 = Breaker Modifications, 1NO – 1NC Auxiliary Contact on HMCP.
B3 = Breaker Modifications, Shunt Trip on circuit breaker, 48 – 127 Vac or Vdc.
C1 = Control Power Transformer, standard size, 120 V/60 Hz secondary.
C3 = Control Power Transformer, 100 VA extra capacity, 120 V/60 Hz secondary.
C4 = Control Power Transformer, 100 VA extra capacity, 24 V/60 Hz secondary.
C14 = Control Relay, 4-pole, unwired, A600 rating, 120 V coil.
C35 = Control, wired for separate.
C36 = Customer supplied material.
C37 = Customer supplied drawings.
D15 = HOA for each motor (duplex pumps).
E3 = Enclosure Modifications, oversize enclosure.
E11 = Safety Door Interlock enclosure assembly.
G3 = Ground Fault Relay, unwired, installed.
L3 = Lightning Arrester installed on panel.
L10 = Carton Label — order by description.
L21 = 1NC Power Pole.
L22 = 2NC Power Pole.
L23 = 3NC Power Pole.
L24 = 4NC Power Pole.
L25 = 5NC Power Pole.
L26 = 6NC Power Pole.
L27 = 7NC Power Pole.
L28 = 8NC Power Pole.
N1 = Nameplate — order by description.
P1 = Push-to-Test Pilot Light (OFF) wired to magnet coil.
P2 = Push-to-Test Pilot Light (green OFF) wired to magnet coil.
P7 = Start/Stop Pushbutton.
P18 = Pushbutton with Legend Plate — order by description.
P32 = Phase Unbalance Relay.
P34 = Phase Monitoring Relay.
S3 = Selector Switch HOA.
S18 = Selector Switch, HIGH-LOW-OFF-AUTO.
S40 = Selector Switch — order by description.
T15 = Customer designated terminal points.