



Customer information packet

L1502

2HP, 1725RPM, 1PH, 60HZ, 213, 3720L, OPEN, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	213
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	25.000 A @ 115.0 V 13.000 A @ 208.0 V 12.500 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	69.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part detail

Revision	AH
Type	AC
Mech. spec.	37E001
Base	
Status	PRD/A
Elec. spec.	37WGX227
Layout	37LYE001
Eff. date	05-10-2024
CD Diagram	CD0076
Poles	04
Leads	8#14
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	12.5 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	8 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3720L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.32 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	L1502								
SPEC.	37E01X227								
HP	2								
VOLTS	115/230								
AMP	25/12.5								
RPM	1725								
FRAME	213		HZ	60		PH	1		
SER.F.	1.15	CODE	J	DES	L	CLASS	B		
NEMA-NOM-EFF	69	PF	68						
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	OPEN	SN							

Parts list

Part number	Description	Quantity
SA030617	SA 37E01X227	1.000 ea
RA026656	RA 37E01X227	1.000 ea
EC1400A03SP	ELEC CAP, 400-480 MFD, 125V, 1.81D X 3.	2.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 ea
37CB1800	CAPACITOR COVER, CAST (G)4 ON	1.000 ea
NS2501A02	INSULATOR, CAPACITOR BOX	1.000 ea
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3204D00	MASTER,DE,307 BRG,GREASER	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HA3104A20	THRUBOLT-5/16-18X10.750 W	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
SP5127A10	MODEL 37 TYPE L/LC STATIONARY SWITCH LEA	1.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	4.000 ea
LC0076	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea

36PA1001	PKG GRP, PRINT PK1017A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 12010

Typical performance - not guaranteed values

Winding: 37WGX227-R001			Type: 3720L		Enclosure: OPEN			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		2	Full Load Torque		6.1 LB-FT			
Volts		115/230	Start Configuration		direct on line			
Full Load Amps		25/12.5	Breakdown Torque		16 LB-FT			
R.P.M.		1725	Pull-up Torque		12 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		24 LB-FT		
NEMA Design Code		L	KVA Code	J	Starting Current		68 A	
Service Factor (S.F.)		1.15	No-load Current		8.4 A			
NEMA Nom. Eff.		69	Power Factor		68	Line-line Res. @ 25°C		0.904 Ω A Ph 1.08 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		37°C	
S.F. Amps					Temp. Rise @ S.F. Load		48°C	

Load Characteristics 230 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	54	65	73	79	82	77
Efficiency	47.1	62.1	68.3	70.9	71.4	70.5	71.2
Speed	1779	1765	1748	1730	1709	1684	1717
Line amperes	8.8	9.7	10.9	12.5	14.5	16.8	13.7

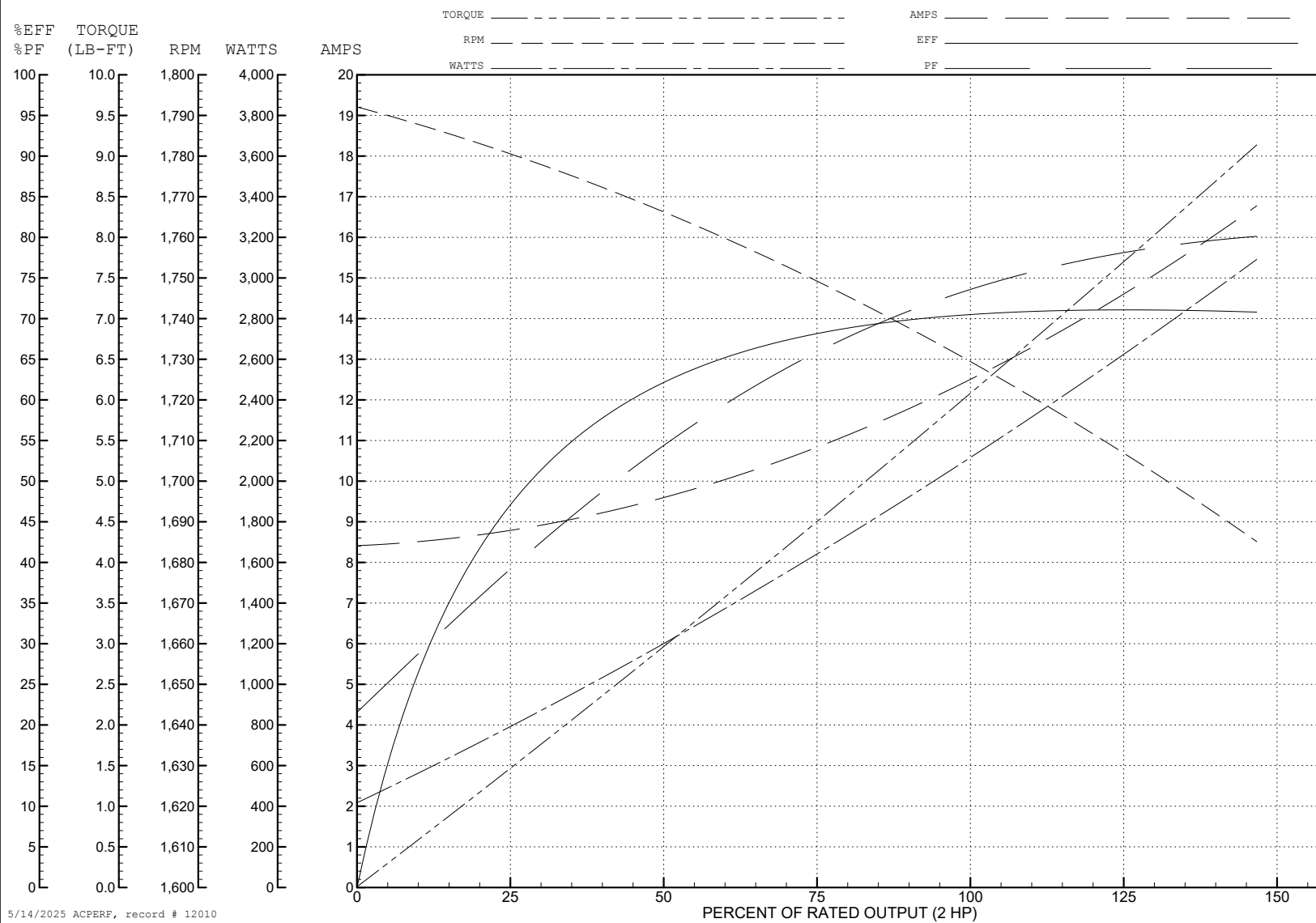
ABB Motors and Mechanical Inc.

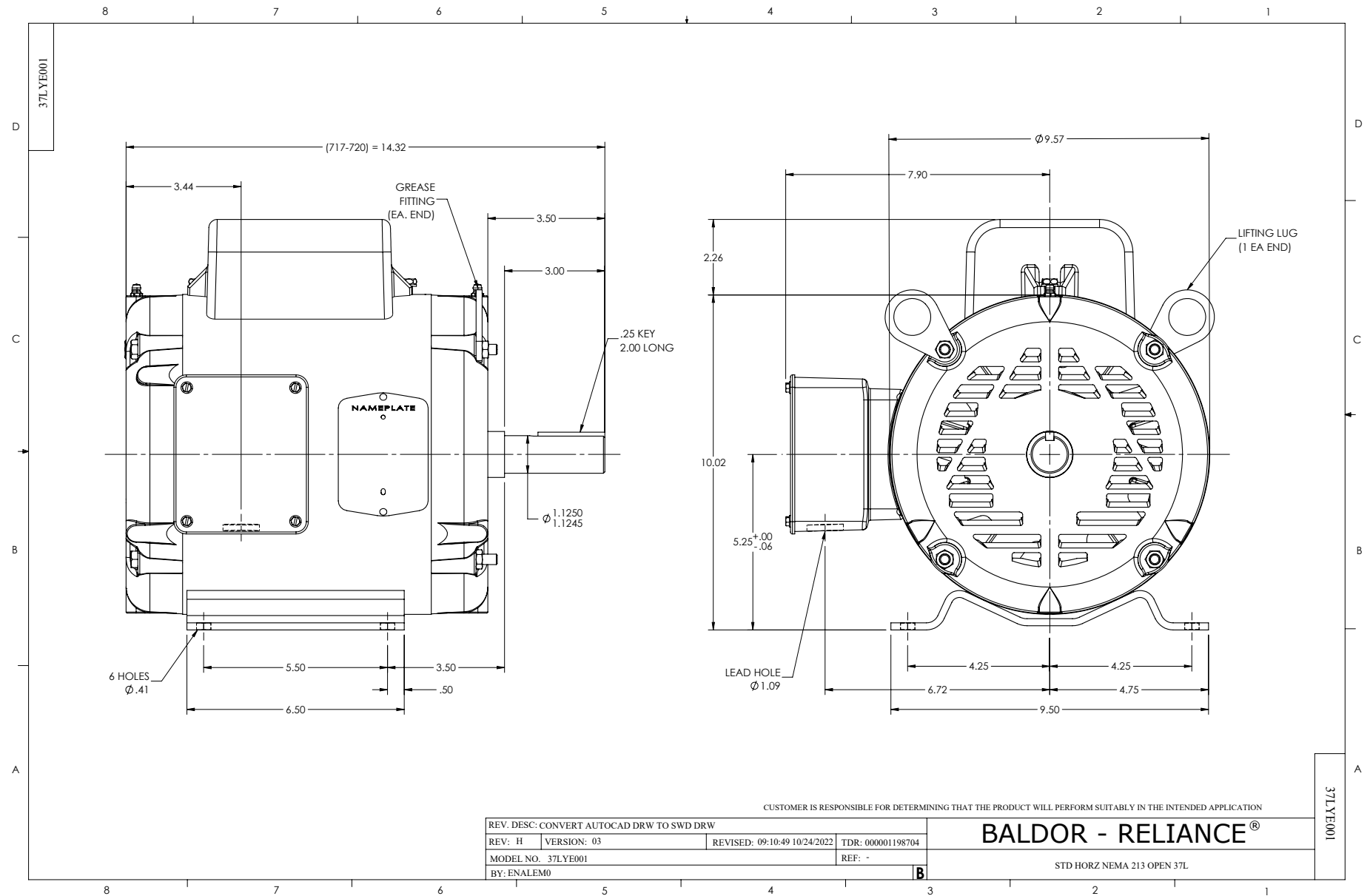
WINDING # 37WGX227

Typical performance - not guaranteed values.

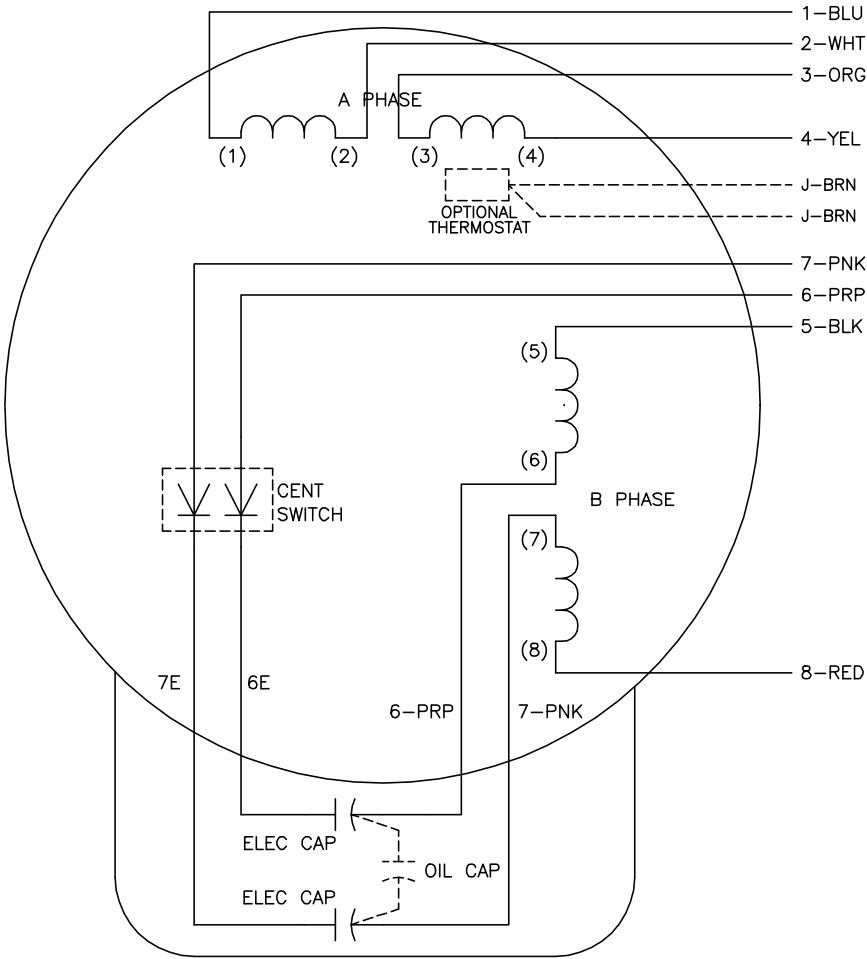
2 HP 1 PH 60 HZ 1725 RPM 230 V 3720L

TORQUES (LB-FT): PO=16 PU=12 LR=24 LRA=68





CD0076



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4,5	2,3	6,7
HIGH OPP	1,5	4,8	2,3	6,7
LOW STD	1,3,6,8	2,4,5,7	—	—
LOW OPP	1,3,5,7	2,4,6,8	—	—

- NOTES:
- 1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
 - 2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
 - 3. OPTIONAL OIL CAP(S) ARE PROVIDED WHEN SPECIFIED. MULTIPLE OIL CAPS ARE CONNECTED IN PARALLEL.
 - 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADD OPTIONAL COLORS		
REV. LTR: E	VERSION: 01	TDR: 000000372126
9/0000	FILE: \AAA\00007\419	REVISED: 15:44:39 09/28/2005
	MTL: —	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L OR LC, DV, REV, SERIES/PAR B PH, 8 LEAD

CD0076