ABB BALDOR RELIANCE

Customer information packet

EBM3714T

10HP, 1768RPM, 3PH, 60HZ, 215T, 3750M, TEFC, F1
Class - None
Division - Not Applicable

Copyright © All product information within this document is subject to ABB Motors and Mechanical Inc. copyright © protection, unless otherwise noted.
11/1/2026 7:41:11 PM

Specifications

Enclosure	TEFC
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV
	NEMA PREMIUM
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	12.400 A @ 460.0 V
	24.800 A @ 230.0 V
	27.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.4 a

Part Detail

Revision	-
Type	AC
Mech. spec.	37L065
Base	
Status	PRD/A
Elec. spec.	37WGZ711
Layout	37LYL065
Eff. date	11-24-2025
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	11-05-2025

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3750M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	28.30 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1768 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

NP1259L										
CAT.NO.	EBM3714T									
SPEC.	37L065Z711									
HP	10									
VOLTS	230/460									
AMP	24.8/12.4									
RPM	1768									
FRAME	215T	**HZ**	60				**PH**	3		
SER.F.	1.15	**CODE**	K	**DES**	A	**CL**	F			
NEMA-NOM-EFF	91.7	**PF**	85							
RATING	40C AMB-CONT									
CC	010A									
DE	6307	**ODE**	6306							
ENCL	TEFC	**SN**								
	SFA 28.2/14.1									

Parts List

Part number	Description	Quantity
SA443073	SA 37L065Z711	1.000 ea
RA435569	RA 37L065Z711	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 ea
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
37EP1301A01	STD FACE MTD ENDPLATE, BRAKE MTG	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A07	W2816-030 WVY WASHER (WB)	1.000 ea
37EP3100A01	PUEP ASSEMBLY - ROUTING PUPROSES	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
84XN5013L12	.50-13 X .75 NYLOK TYPE HEX.SOC.HD.CAP S	4.000 ea
HW2501E10	KEY, 1/4 SQ X 1.000	1.000 ea
80XN2520J06	1/4-20 X 3/8 SET SCREW, HEX SOC, CUP PT	1.000 ea
37FH5007	W/FINGER GUARDS	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 ea
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501F21	KEY, 5/16 SQ X 2.375	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
37FN5001A01SP	EXFN ASSY, BALTRIC, 8.50 OD, .986 ID	1.000 ea
HA3104A18	THRUBOLT- 5/16-18 X14.000	4.000 ea
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.028 ga
87BK5118EQF	1-087-051-18-EQF BRAKE TDR#89716	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea

LB1404	BRAKE CONNECTION LABEL	1.000 ea
NP1259L	ALUM SUPER-E UL CC NEMA PREMIUM A60	1.000 ea
37PA1039	PALLET PACK GROUP, BLANK PK1148	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

AC Induction Motor Performance Data
Record # 115760
Typical performance - not guaranteed values

Winding: 37WGZ711-R001	**Type:** 3750M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10	**Full Load Torque**	29.79 LB-FT
Volts		230/460	**Start Configuration**	direct on line
Full Load Amps		24.8/12.4	**Breakdown Torque**	93.4 LB-FT
R.P.M.		1768	**Pull-up Torque**	44.7 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	55.5 LB-FT
NEMA Design Code	A **KVA Code**	K	**Starting Current**	90.5 A
Service Factor (S.F.)		1.15	**No-load Current**	5.11 A
NEMA Nom. Eff.	91.7 **Power Factor**	85	**Line-line Res. @ 25ºC**	1.1801 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	77°C
S.F. Amps		28.2/14.1	**Temp. Rise @ S.F. Load**	108°C
			Locked-rotor Power Factor	37.2

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	45	68	78	82	85	85	84
Efficiency	89.9	92.6	92.6	91.8	90.5	88.9	91
Speed	1792.4	1785	1776.3	1767.2	1756.7	1745.2	1756
Line amperes	5.83	7.54	9.79	12.4	15.3	18.6	14.2

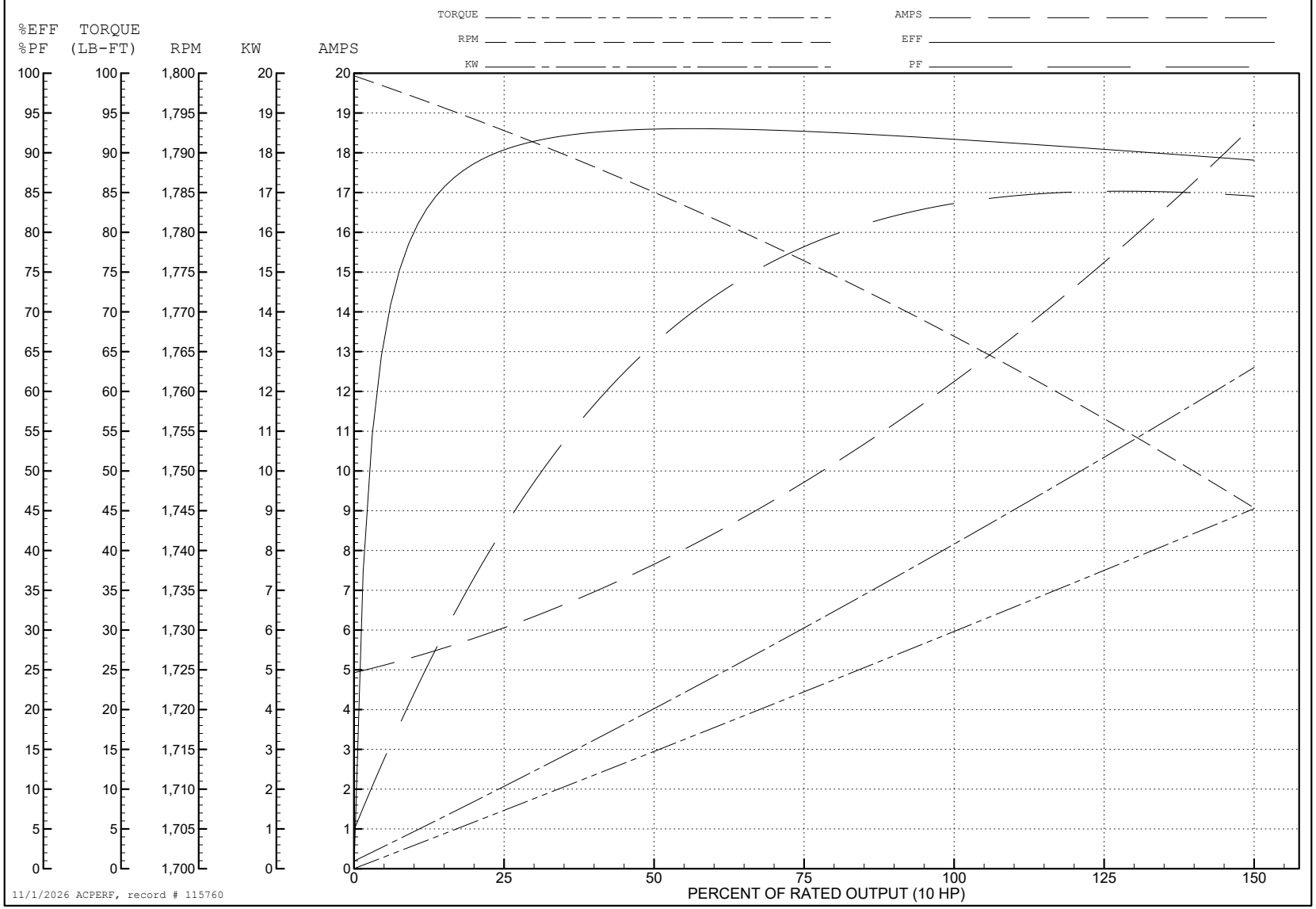
ABB Motors and Mechanical Inc.

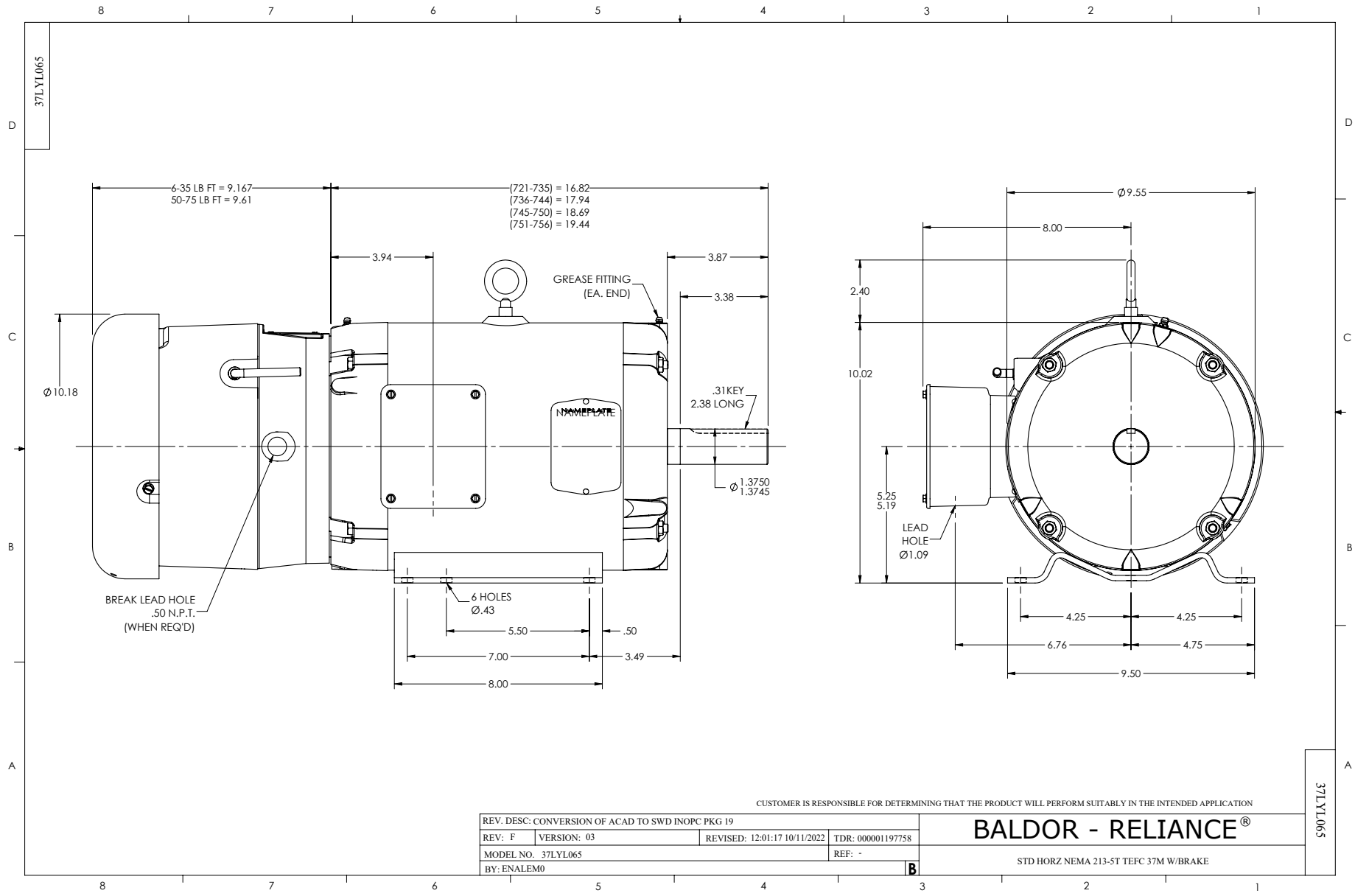
WINDING # 37WGZ711

10 HP 3 PH 60 HZ 1768 RPM 460 V 3750M

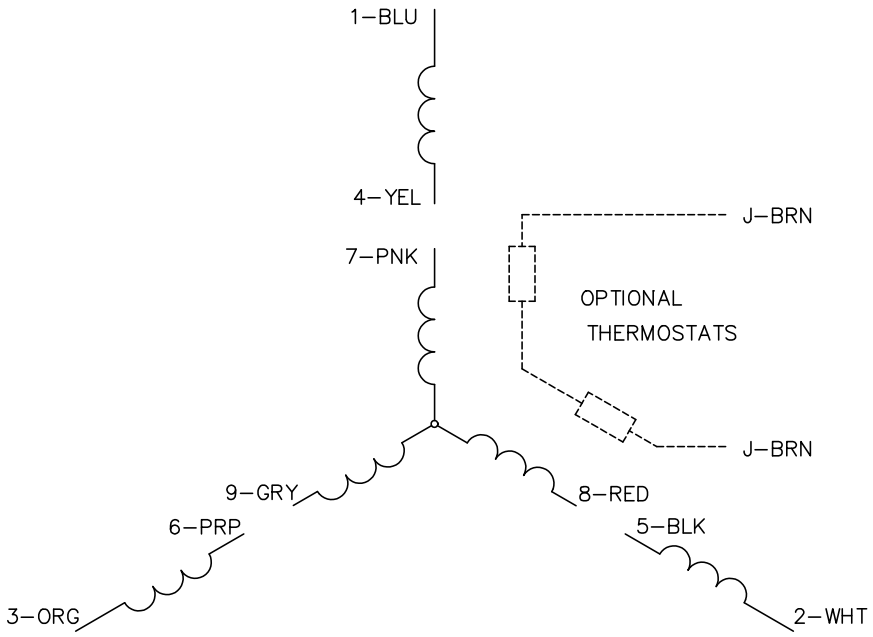
Typical performance - not guaranteed values.

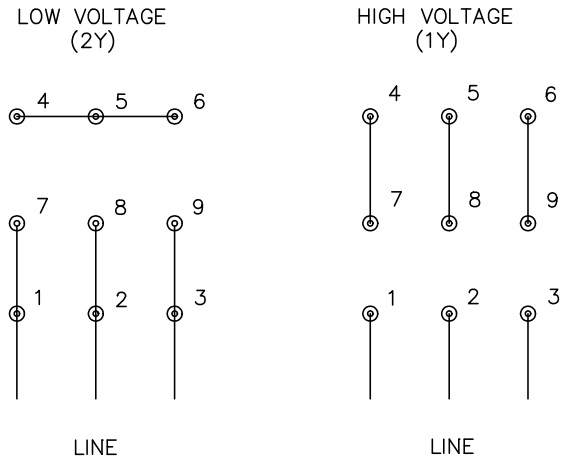
TORQUES(LB-FT): PO=93.4 PU=44.7 LR=55.5 LRA=90.5




37LYL065
6-35 LB FT = 9.167
50-75 LB FT = 9.61
(721-735) = 16.82
(736-744) = 17.94
(745-750) = 18.69
(751-756) = 19.44
3.94
3.87
3.38
GREASE FITTING
(EA. END)
Ø10.18
NAMEPLATE
.31KEY
2.38 LONG
Ø1.3750
1.3745
BREAK LEAD HOLE
.50 N.P.T.
(WHEN REQ'D)
6 HOLES
Ø.43
5.50
.50
7.00
3.49
8.00
Ø9.55
8.00
2.40
10.02
5.25
5.19
LEAD
HOLE
Ø1.09
4.25
4.25
6.76
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERSION OF ACAD TO SWD INOPC PKG 19
REV: F
VERSION: 03
REVISED: 12:01:17 10/11/2022
TDR: 000001197758
MODEL NO. 37LYL065
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ NEMA 213-5T TEFC 37M W/BRAKE
37LYL065

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS