ABB BALDOR RELIANCE

Customer information packet

CEBM3714T-D

10HP, 1770RPM, 3PH, 60HZ, 215TC, 3752M, TEFC, F
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.
11/4/2026 2:54:16 AM

Specifications

Enclosure	TEFC
Frame	215TC
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	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CE
	CSA
	UR
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
Brake Torque	35.0 lb-ft
Current @ Voltage	24.000 A @ 230.0 V
	25.400 A @ 208.0 V
	12.000 A @ 460.0 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 Face Code	Fan Housing Cover For Brake

Part Detail

Revision	T
Type	AC
Mech. spec.	37M907
Base	
Status	PRD/A
Elec. spec.	37WGS518
Layout	37LYM907
Eff. date	07-18-2026
CD Diagram	CD0005
Poles	04
Leads	9#14
Proprietary	False
Created date	02-21-2013

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	12.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3752M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	27.67 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 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

NP4304L										
CAT.NO.	CEBM3714T-D									
SPEC.	37M907S518G1									
HP	10/7.5KW					**PH**	3			
VOLTS	230/460									
AMPS	24/12									
R.P.M. (1/MIN)	1770					**WT.**	75	**KG**		
FRAME	215TC	**HZ**	60			**I.P.**	44			
SER.F.	1.15	**CODE**	K	**DES.**	A	**CLASS**	F			
NOM.EFF.	91.7	**% (100%)**								
P.F.	85		IC411							
RATING	40C AMB-CONT				**CC**	010A				
DE	6307	**ODE**	6206							
ENCL	TEFC	**SN**								
	IE3 93.0 (75%) 92.6 (50%)									

Parts List

Part number	Description	Quantity
SA259572	SA 37M907S518G1	1.000 ea
RA246328	RA 37M907S518G1	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
37CB3006A12	37 CB 1.38 DIA @ 6:00, .88 DIA @ 12:00	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
07EP1901A07	FREP, 07FH1002A09 ASS'Y ALSO REQUIRED	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3300A01	PUEP ASSEMBLY FOR ROUTING	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
10XN2520A30	HEX HD CAP SCREW-STD THD-.25 X 20 THD PE	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
BR2004E01	BRK HUB,1.12 DIA JRNL W/.25 KEY (032416)	1.000 ea
WD5133A26	10" - .50 FLEX TUBING ASSY W/2 - 90 DEG	0.833 ea
WD4006A01	WIRE JOINT,T&B RB-4 OR RB-44	1.000 ea
HA6A33A01	ADAPTER 182-4T FOR D-SERIES BRK (024448)	1.000 ea
84XN5013L16	1/2-13 X 1 HEX SOC HD, GRADE 8	4.000 ea
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
07FH1002A09	FN CVR, 07EP1901A07 ASLO REQUIRED	1.000 ea
WD4100A02	DP-1000 HEYCO PLUG OR 62MP1000 MICRO PL	1.000 ea
10XN3118A52	5/16-18 X 3-1/4 HEX HEAD CAP SCR,GR.5,Z/	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
HA1103A13	#4 X 4 SCREEN FOR FAN CVR 07FH1002 (MR21	1.000 ea
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	4.000 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
LB1419	CONNECTION LABEL	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
MG1000N49	MUNSELL 8.5BG 3.57/2.0, GLOSS 30, B/G,	0.028 ga
HA3104A25	THRUBOLT .31-18 X 14.75	4.000 ea
46BK0700B01	DBSC-V-35-MA-230/460 VAC	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP4304L	ALUM SUPER-E IE3 UL CC UKCA CE NEMA PREM	1.000 ea
37PA1039	PALLET PACK GROUP, BLANK PK1148	1.000 ea

AC Induction Motor Performance Data
Record # 112596
Typical performance - not guaranteed values

Winding: 37WGS518-R015	**Type:** 3752M	**Enclosure:** TEFC

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		10	**Full Load Torque**	29.45 LB-FT
Volts		230/460	**Start Configuration**	direct on line
Full Load Amps		24/12	**Breakdown Torque**	134 LB-FT
R.P.M.		1770	**Pull-up Torque**	49.2 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	68.7 LB-FT
NEMA Design Code	A **KVA Code**	K	**Starting Current**	103 A
Service Factor (S.F.)		1.15	**No-load Current**	5.49 A
NEMA Nom. Eff.	91.7 **Power Factor**	85	**Line-line Res. @ 25ºC**	0.93503 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	63°C
S.F. Amps			**Temp. Rise @ S.F. Load**	81°C
			Locked-rotor Power Factor	35.5
			Rotor inertia	1.28 lb-ft²

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	42	66	79	85	84	87	84
Efficiency	88.9	92.1	92.4	91.8	90.3	89	90.9
Speed	1793.9	1786.8	1779.7	1771.8	1762.7	1752.5	1766
Line amperes	6.14	7.8	9.9	12.3	15	17.9	13.9

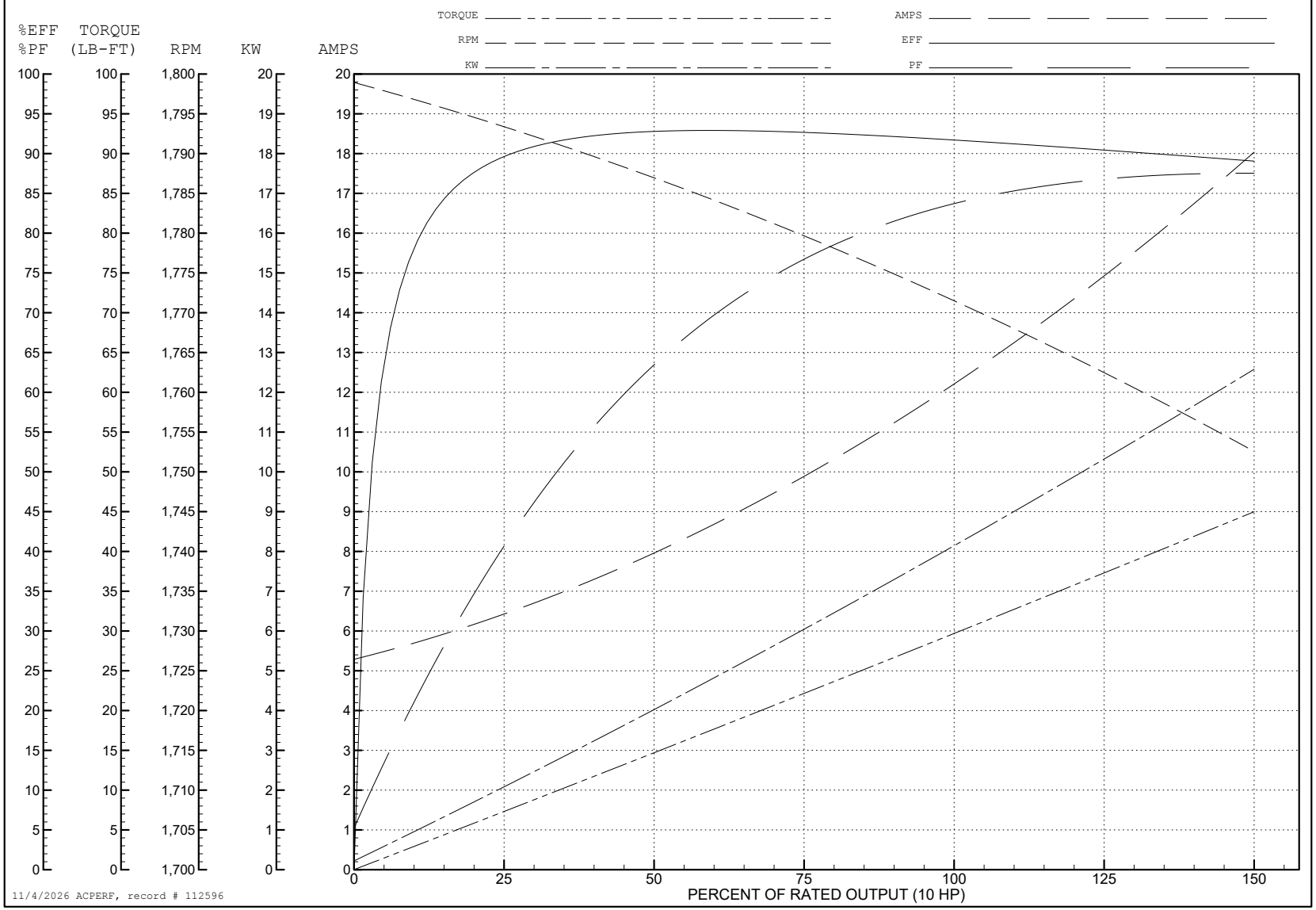
ABB Motors and Mechanical Inc.

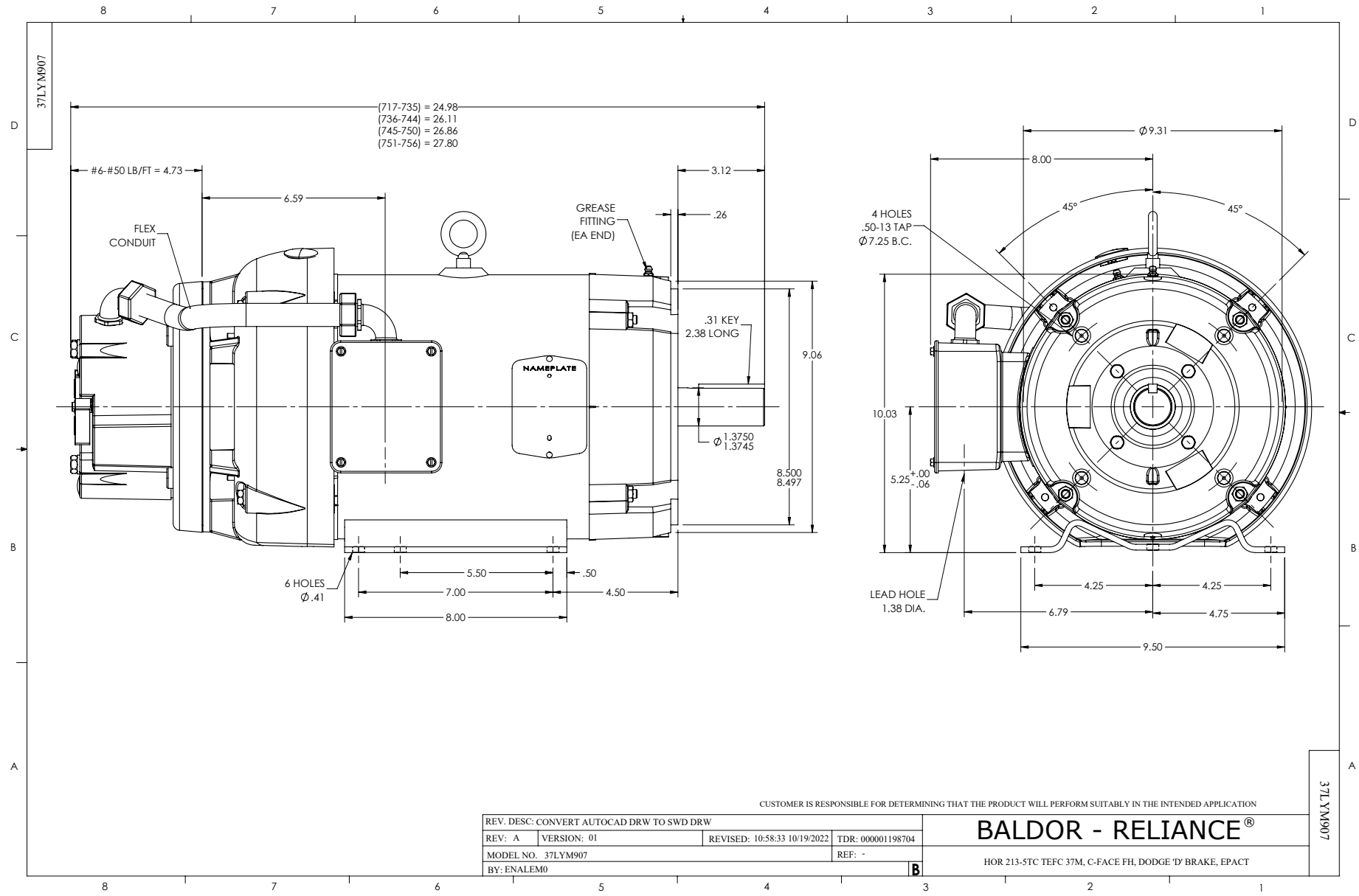
WINDING # 37WGS518

10 HP 3 PH 60 HZ 1770 RPM 460 V 3752M

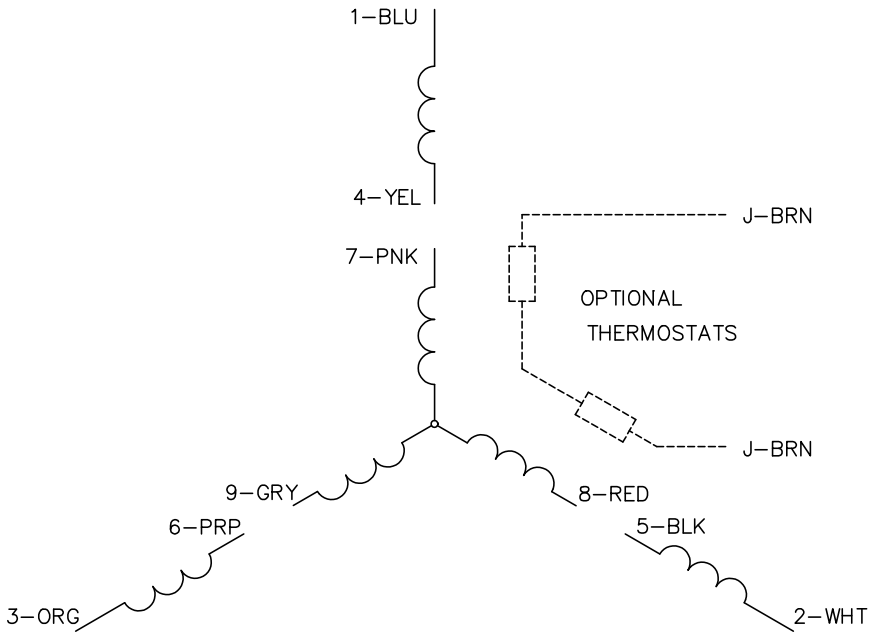
Typical performance - not guaranteed values.

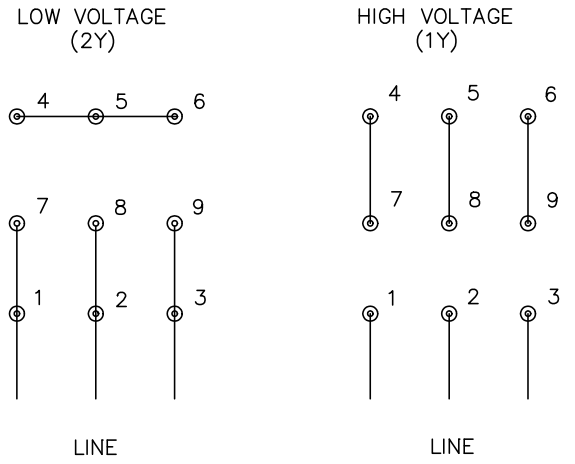
TORQUES(LB-FT): PO=134 PU=49.2 LR=68.7 LRA=103




37LYM907
(717-735) = 24.98
(736-744) = 26.11
(745-750) = 26.86
(751-756) = 27.80
#6-#50 LB/FT = 4.73
6.59
3.12
.26
GREASE FITTING (EA END)
FLEX CONDUIT
.31 KEY 2.38 LONG
NAMEPLATE
9.06
Ø1.3750 1.3745
8.500 8.497
6 HOLES Ø.41
5.50
.50
7.00
4.50
8.00
Ø9.31
8.00
45°
45°
4 HOLES .50-13 TAP Ø7.25 B.C.
10.03
5.25 +.00 -.06
LEAD HOLE 1.38 DIA.
4.25
4.25
6.79
4.75
9.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT AUTOCAD DRW TO SWD DRW
REV: A
VERSION: 01
REVISED: 10:58:33 10/19/2022
TDR: 000001198704
MODEL NO. 37LYM907
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
HOR 213-5TC TEFC 37M, C-FACE FH, DODGE 'D' BRAKE, EPACT
37LYM907

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

CD2120

WIRING CONNECTIONS (1 PHASE VAC)

	POWER LINE A	POWER LINE B	CAP TOGETHER	CAP ALONE
AC LOW VOLT.	B1	B2	B3 & B5	B4
AC HIGH VOLT.	B1 & B5	B2	---	B3 CAP ALONE B4 CAP ALONE
DC VOLT.	B1	B2	B3 & B5	B4

B1 WHITE
B2 BLACK
B3 GRAY
B4 BLUE
B5 RED

CD2120

REV. DESC: NEW			BALDOR • DODGE • RELIANCE
REV. LTR: –	VERSION: 00	TDR: 000000741785	
FILE: \CKA\00037\282		REVISED: 12:28:11 04/12/2012	D–SERIES MOTOR BRAKE 5LD AC\DC
MTL: –		BY: CKRONS0	SH 1 of 1