ABB BALDOR RELIANCE

Customer information packet

CEBM3714T-D

10HP, 1770RPM, 3PH, 60HZ, 215TC, 3752M, TEFC, F
Class - None
Division - Not Applicable

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11/3/2026 3:13:50 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%)								

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

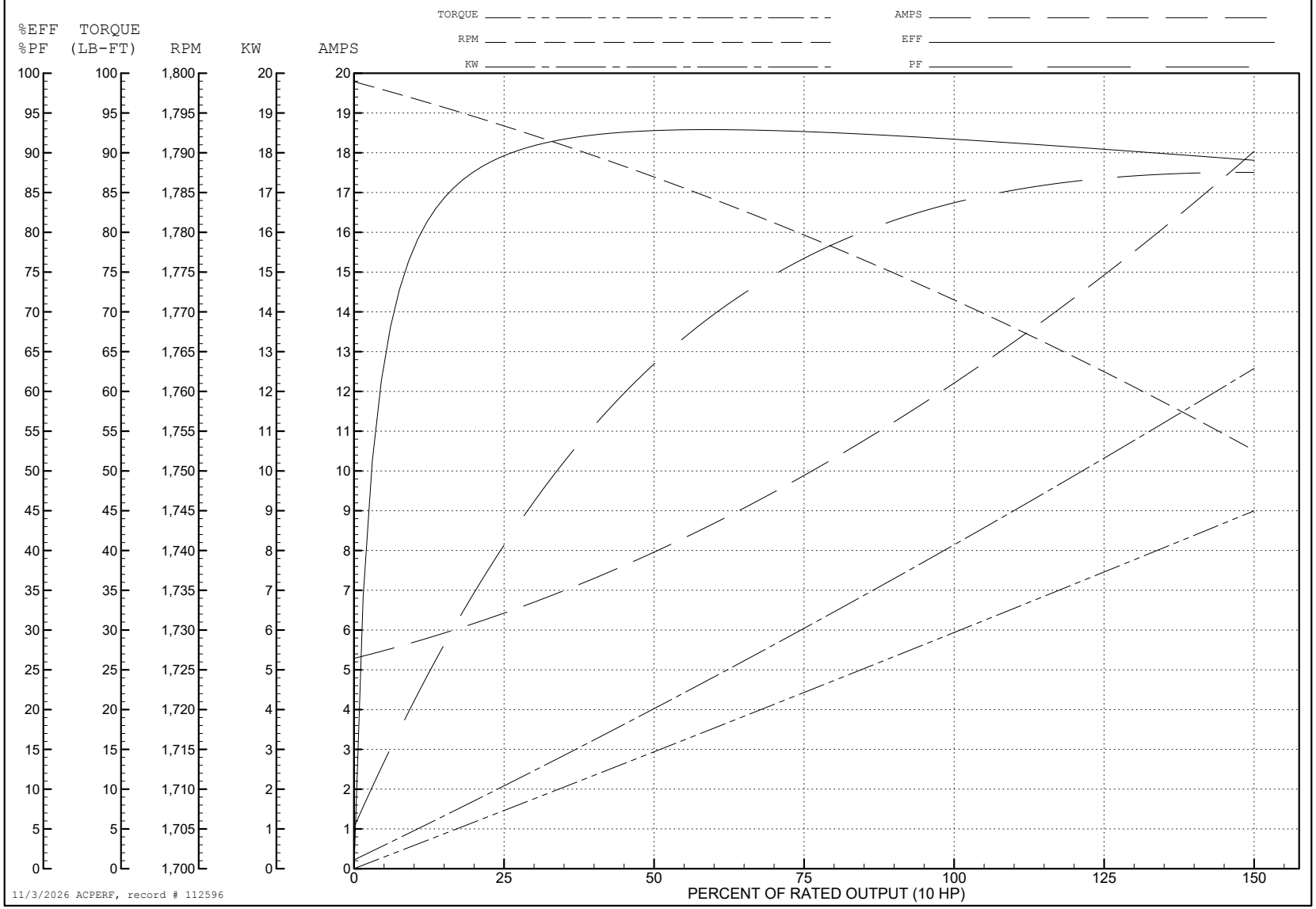
ABB Motors and Mechanical Inc.

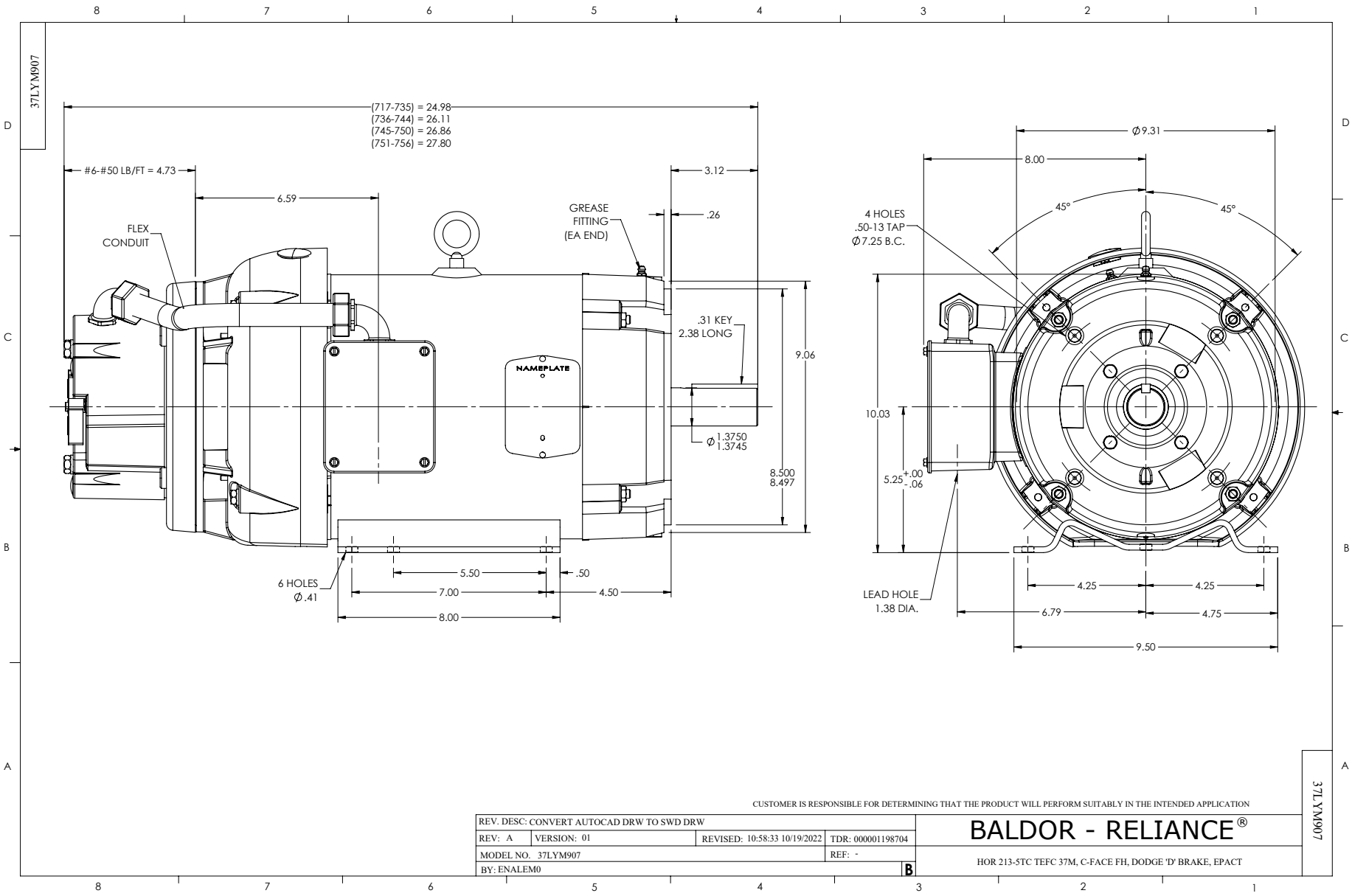
WINDING # 37WGS518

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

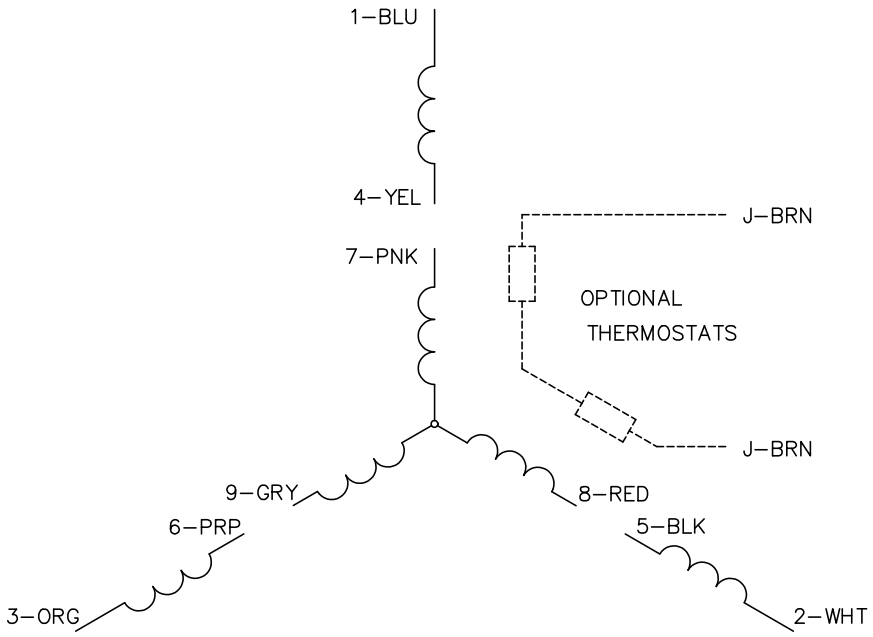
Typical performance - not guaranteed values.

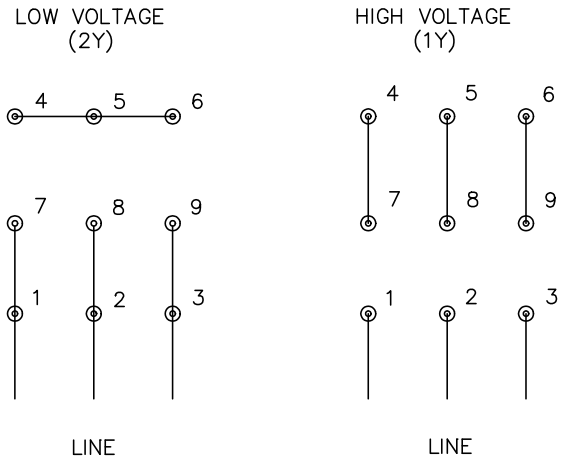
TORQUES(LB-FT): PO=134 PU=49.2 LR=68.7 LRA=103




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