

ABB BALDOR RELIANCE III

Customer information packet

JML1512T

10HP, 1725RPM, 1PH, 60HZ, 215JM, 3744LC, ODTF

Class - None

Division - Not Applicable

Specifications

Enclosure	ODTF
Frame	215JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	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
Current @ Voltage	45.000 A @ 208.0 V 41.000 A @ 230.0 V
Design Code	L
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	41.0 a
Insulation Class	F

Part Detail

Revision	AA
Type	AC
Mech. spec.	37F842
Base	
Status	PRD/A
Elec. spec.	37WGY497
Layout	37LYF842
Eff. date	07-19-2024
CD Diagram	CD0086
Poles	04
Leads	2#8 A PH,2#14 B PH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 8 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3744LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	20.95 IN
Power Factor	94
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft 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.	JML1512T								
SPEC.	37F842Y497								
HP	10								
VOLTS	230								
AMP	41								
RPM	1725								
FRAME	215JM		HZ	60			PH	1	
SER.F.	1.15		CODE	F	DES	L	CLASS	F	
NEMA-NOM-EFF	84		PF	94					
RATING	40C AMB-CONT								
CC									
DE	6309		ODE	6206					
ENCL	ODTF		SN						

Parts List

Part number	Description	Quantity
SA088196	SA 37F842Y497	1.000 ea
RA081124	RA 37F842Y497	1.000 ea
OC3040F18SP	7YL OIL CAP 40MFD/370V	2.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	3.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 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
13XT0832A07	8-32X7/16 TYP 23 PAN HD SLT DX	2.000 ea
37EP3203B01	B00 W/2ND GREASER	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HA1104A01	RODENT SCREEN 37 FRAME 206 BRG FRONT END	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
HW4600B67	V-RING SLINGER 1.770 X 2.170 X .28 VITON	1.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW1000A10	#10 FLAT WASHER (SAE)	4.000 ea
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	1.000 ea
37CB3804A01	SPL CAPAC. BOX 37 MOTORS FOR 6-7 CAPAC.	1.000 ea
37CB2804	ADAPTER, 37 KO BOX (SHOE BOX)	2.000 ea
37GS1017	GASKET - CONDUT BOX .06 THK NEOPRENE	4.000 ea
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 ea
37CB4509	CAPAC BOX LID, STAMPED	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	6.000 ea
HA6003A47	CAPAC CLAMP	1.000 ea
HA6003A45	CAPAC CLAMP - CLIP (WHITE ZINC PLATED)	2.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	4.000 ea
51XF1032G06	10-32X3/8 HX WSHR STD SER TYP F	1.000 ea
HW1001A10	WASHER, #10 SPLT LK, ZN X	1.000 ea
SP1008A01	BAFFLE, MODEL 36 & 37	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea

37EP3401A46	PUEP OPEN 309 BRG W/BAFFLE, GRS, REL, MF	1.000 ea
HA1222	RODENT SCREEN - 37 C-FACE MOTORS	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	4.000 ea
37AD2000A02	BAFFLE PLATE, STAMPED PLATED	1.000 ea
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
10XN2520A36	1/4-20X 2 1/4 HEX HD X	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
51XB1214A20	12-14X1.25 HWSSLD SERTYB	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
37FH4000A05SP	DRIP COVER, W/ PRIMER	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A03	41531 AMP FLG.TERM,4M/REEL(2.5MIL)	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
SP5172A03	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 ea
LC0086	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea

AC Induction Motor Performance Data

Record # 34220

Typical performance - not guaranteed values

Winding: 37WGY497-R001				Type: 3744LC		Enclosure: ODTF	
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10		Full Load Torque		30.3 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		41		Breakdown Torque		78.7 LB-FT	
R.P.M.		1725		Pull-up Torque		57.9 LB-FT	
Hz		60 Phase		Locked-rotor Torque		69.1 LB-FT	
NEMA Design Code		L KVA Code		Starting Current		225 A	
Service Factor (S.F.)		1.15		No-load Current		10.2 A	
NEMA Nom. Eff.		84 Power Factor		Line-line Res. @ 25°C		0.18838 Ω A Ph 0.70995 Ω B Ph	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		87°C	
S.F. Amps				Temp. Rise @ S.F. Load		119°C	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	80	92	95	95	94	92	94
Efficiency	75.1	84.6	85.8	83.9	79.7	74.8	81.4
Speed	1785.6	1770.4	1753.1	1728.9	1700	1666.3	1712
Line amperes	13.5	20.6	29.7	40.8	53.9	70.5	48.7

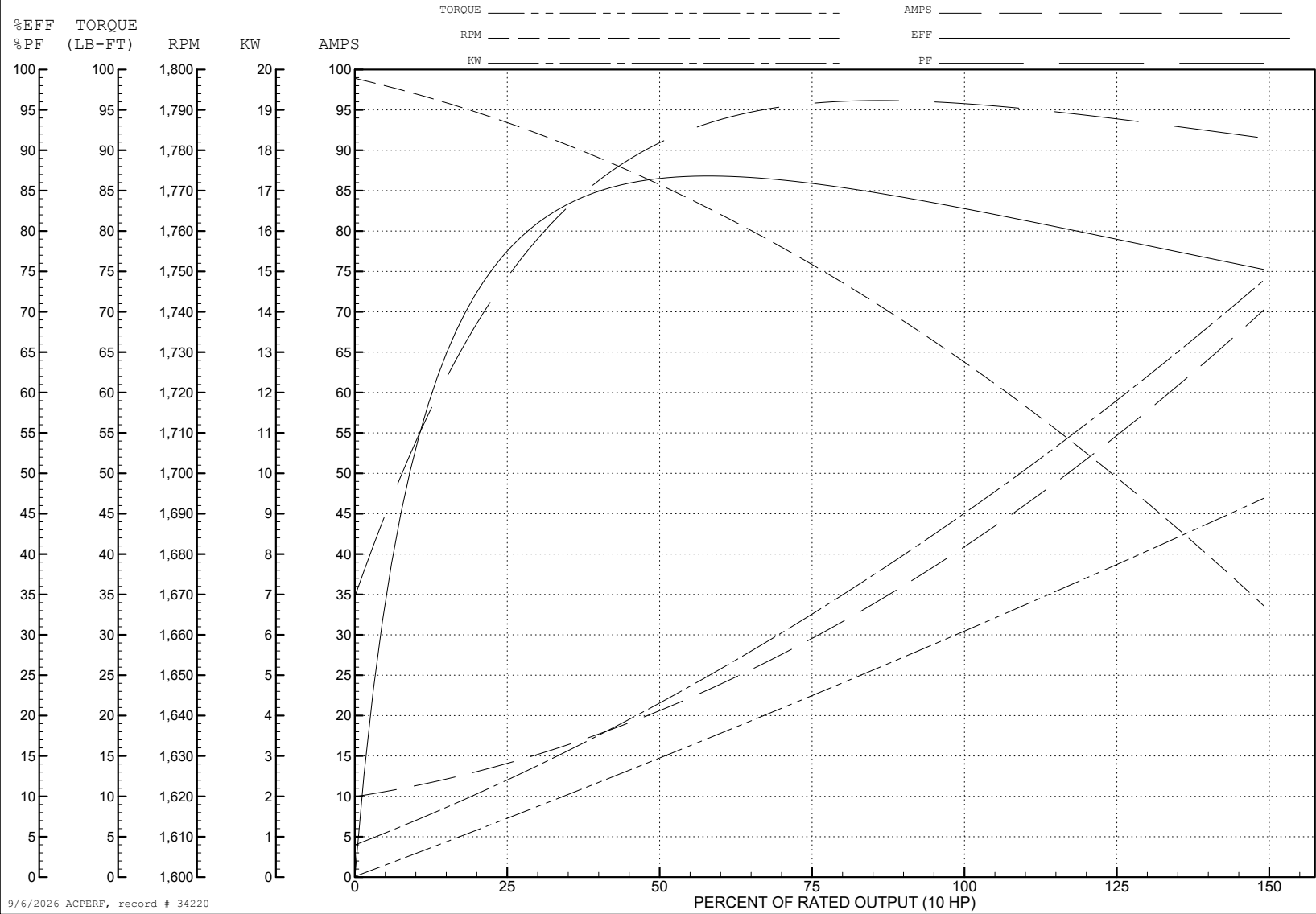
ABB Motors and Mechanical Inc.

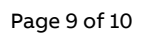
WINDING # 37WGY497

Typical performance - not guaranteed values.

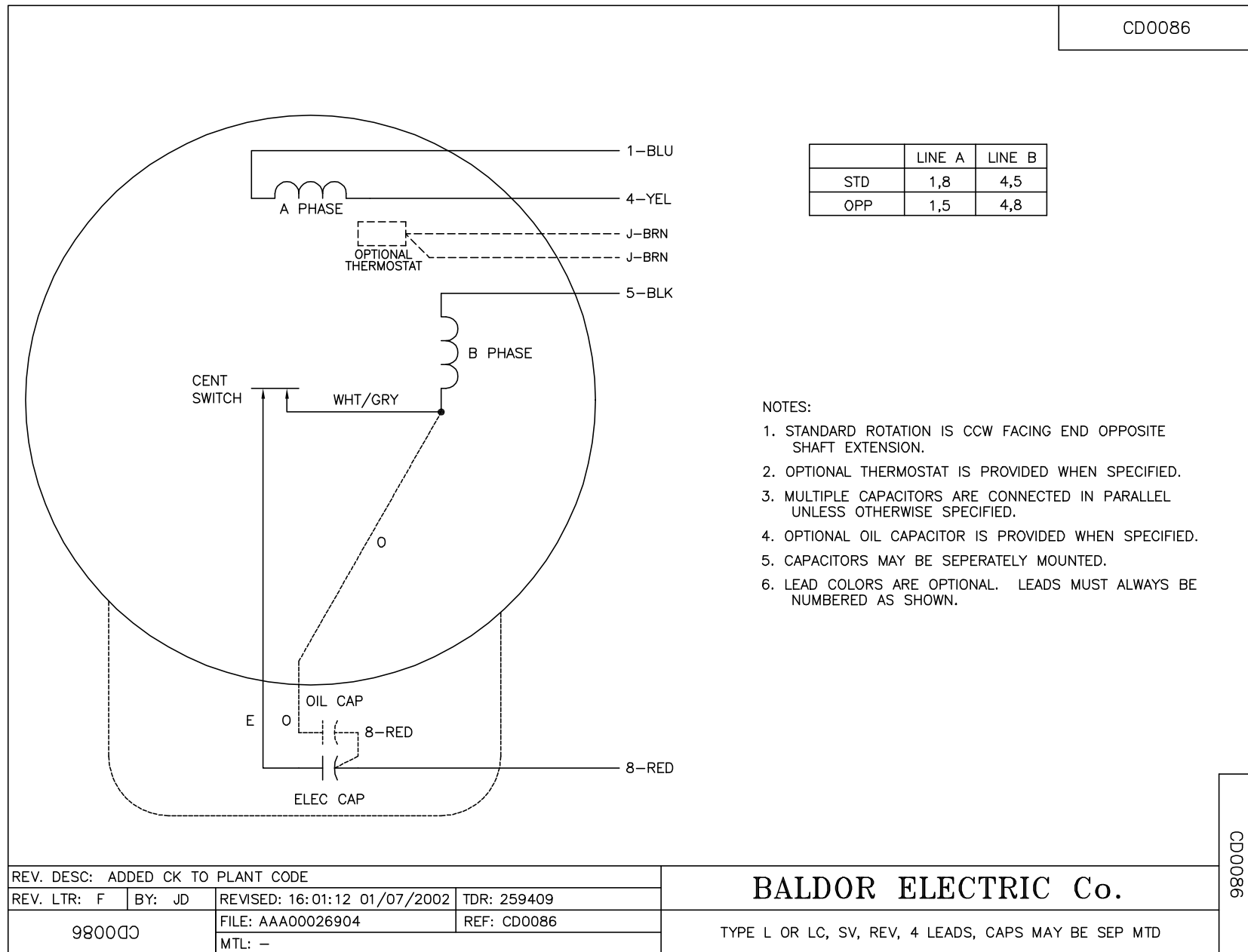
10 HP 1 PH 60 HZ 1725 RPM 230 V 3744LC

TORQUES (LB-FT): PO=78.7 PU=57.9 LR=69.1 LRA=225





CD0086



REV. DESC: ADDED CK TO PLANT CODE			
REV. LTR: F	BY: JD	REVISED: 16:01:12 01/07/2002	TDR: 259409
980000		FILE: AAA00026904	REF: CD0086
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L OR LC, SV, REV, 4 LEADS, CAPS MAY BE SEP MTD

CD0086