

ABB BALDOR RELIANCE III

Customer information packet

CL3710T

7.5HP, 1745RPM, 1PH, 60HZ, 215TC, TEFC, F1

Class - None

Division - Not Applicable

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	Cap Start, Cap Run
Output @ Frequency	7.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	C UR US CURUS
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	29.000 A @ 230.0 V 31.000 A @ 208.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	29.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	37WGT876
Layout	37LYM362
Eff. date	05-01-2024
CD Diagram	CD0086
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	08-06-2019

IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3734LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	19.75 IN
Power Factor	97
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1745 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.	CL3710T								
SPEC.	37-0000-0099								
HP	7.5								
VOLTS	208-230								
AMP	31-29								
RPM	1745								
FRAME	215TC		HZ	60			PH	1	
SER.F.	1.00	CODE	G	DES	L	CLASS	F		
NEMA-NOM-EFF	86.5	PF	97						
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	TEFC	SN							

Parts List

Part number	Description	Quantity
SA372622	SA 37-0000-0099	1.000 ea
RA362372	RA 37-0000-0099	1.000 ea
LC0086	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
OC3050F09SP	CAPACITOR 50 MFD 370 VAC	1.000 ea
OC3035F09SP	CYL OIL CAP 35MFD/370V	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
07FH4007A06	IEC FH W/GRS, NOT @6, 3 F/C HOL & NOT FO	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
37FN3002A01SP	EXFN, PLASTIC, 9.00 OD, 1.155 ID	1.000 ea
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
HA3104A17	5/16-18X13.250 T-BLT/OHIO	4.000 ea
SP5172A03	37 TYPE L TORQ STAT SWITCH LEAD ASSEMBLY	1.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37EP3101A01SP	FRONT TEFC 206 BRG 37 L&M, W/GREASER	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
37EP3300A01	FACE MT ENDPLATE-ENCL-307 BRG-213TC-215T	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
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
37CB5001A21	ENCL, A01 BOX W/LID, GASKETS & 1.09 LEAD	1.000 ea
34GS5003	FOAM SLEEVE, ID = 2 1/16" X 3 3/8"	5.000 ea
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	10.000 ea
13XF0832A08	8-32 X.50 PAN HD,SLTD, TYPE F SCREW, ZIN	2.000 ea
EC1216C06SP	ELEC CAP, 216-259 MFD, 250V, 2.06D X 4.	3.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 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
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
PE-0000001	ZRTG PE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

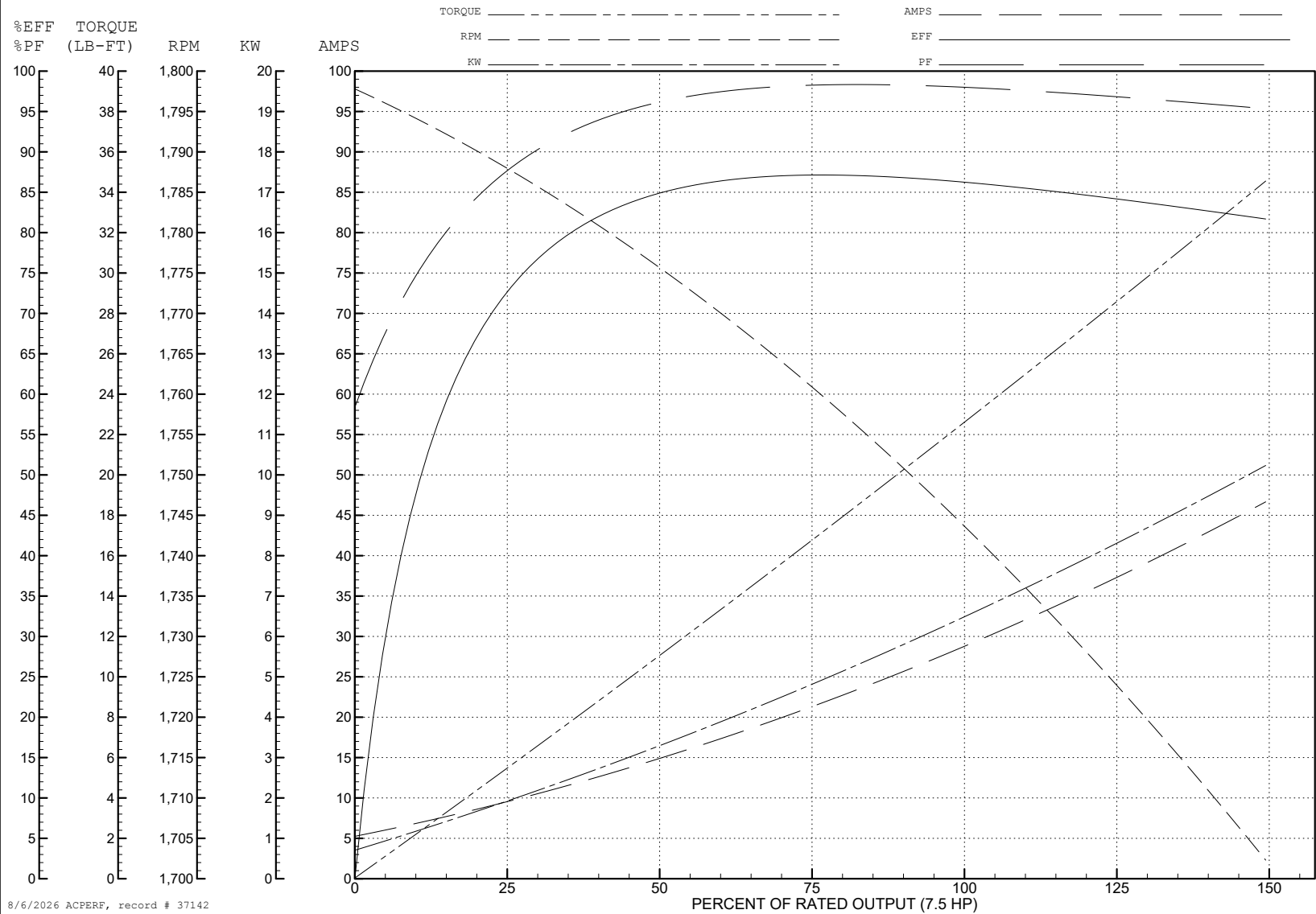
ABB Motors and Mechanical Inc.

WINDING # 37WGT876

Typical performance - not guaranteed values.

7.5 HP 1 PH 60 HZ 1745 RPM 230 V 3734LC

TORQUES (LB-FT): PO=62.7 PU=41.1 LR=64 LRA=186





CD0086

