ABB BALDOR RELIANCE

Customer information packet

L1503

2HP, 1140RPM, 1PH, 60HZ, 215, 3729L, OPEN, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODP
Frame	215
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	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	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	28.000 A @ 115.0 V
	14.700 A @ 208.0 V
	14.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	68.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	AK
Type	AC
Mech. spec.	37D011
Base	
Status	NLA/A
Elec. spec.	37WG0470
Layout	37LYD011
Eff. date	03-31-2025
CD Diagram	CD0076
Poles	06
Leads	8#14
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	14.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	8 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3729L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.94 IN
Power Factor	65
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1140 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.											
SPEC.	37D11-470										
HP	2										
VOLTS	115/230										
AMP	28/14										
RPM	1140										
FRAME	215		**HZ**	60			**PH**	1			
SER.F.	1.15	**CODE**	H	**DES**	L	**CLASS**		B			
NEMA-NOM-EFF	68	**PF**	65								
RATING	40C AMB-CONT										
CC											
DE	6307		**ODE**	6206							
ENCL	OPEN	**SN**									

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data
Record # 11609
Typical performance - not guaranteed values

Winding: 37WG0470-R001	**Type:** 3729L	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			2	**Full Load Torque**	9.1 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			28/14	**Breakdown Torque**	19 LB-FT
R.P.M.			1140	**Pull-up Torque**	16 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	22 LB-FT
NEMA Design Code	L	**KVA Code**	H	**Starting Current**	130 A
Service Factor (S.F.)			1.15	**No-load Current**	19.1 A
NEMA Nom. Eff.	68	**Power Factor**	65	**Line-line Res. @ 25ºC**	0.261 Ω A Ph 0.849 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	67°C
S.F. Amps				**Temp. Rise @ S.F. Load**	83°C

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	47	58	66	71	74	0
Efficiency	50.6	65	70.5	72.1	71.5	68.6	0
Speed	1189	1179	1168	1155	1139	1116	0
Line amperes	19.8	21.4	23.8	27.3	31.9	38.3	30.1

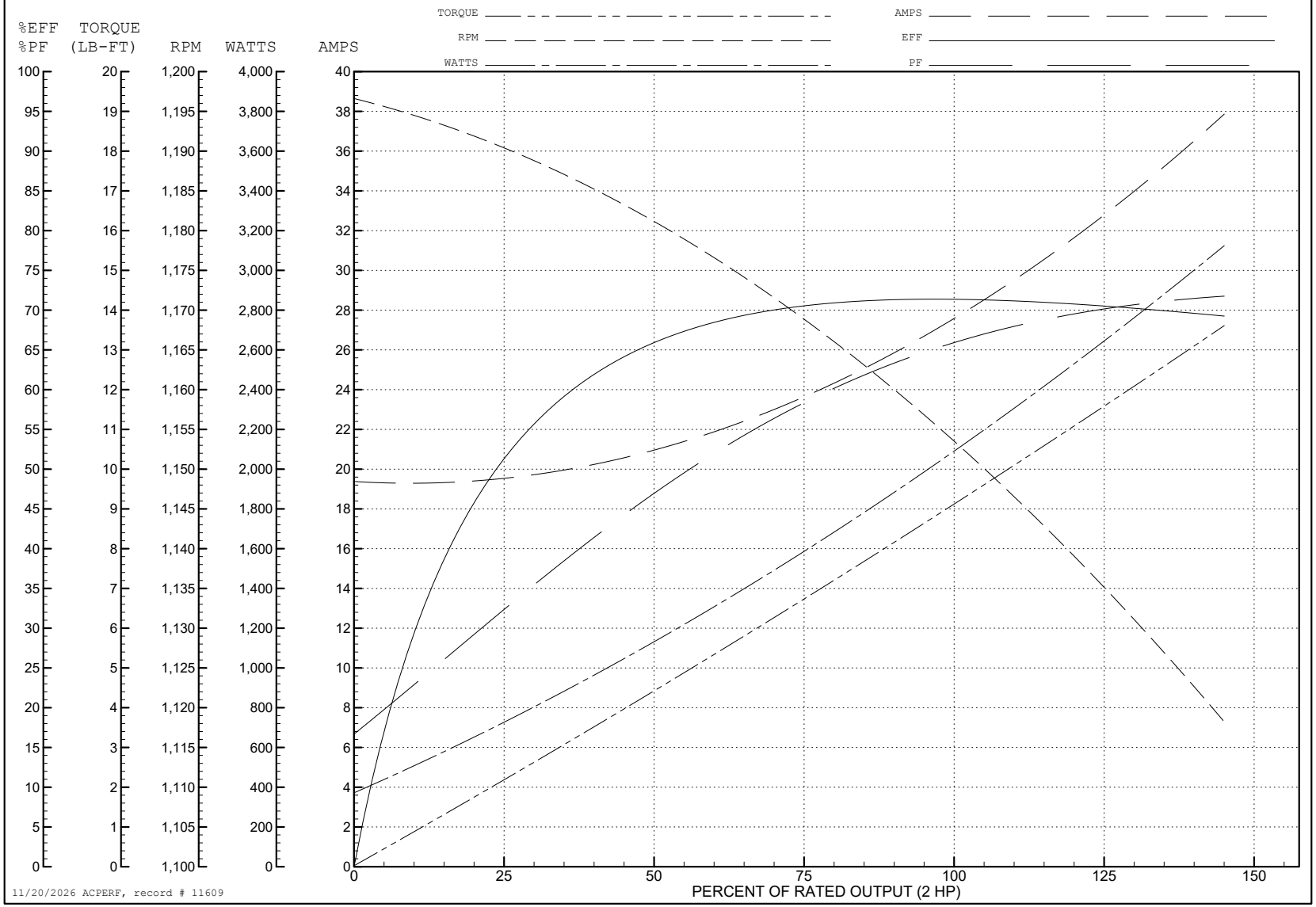
ABB Motors and Mechanical Inc.

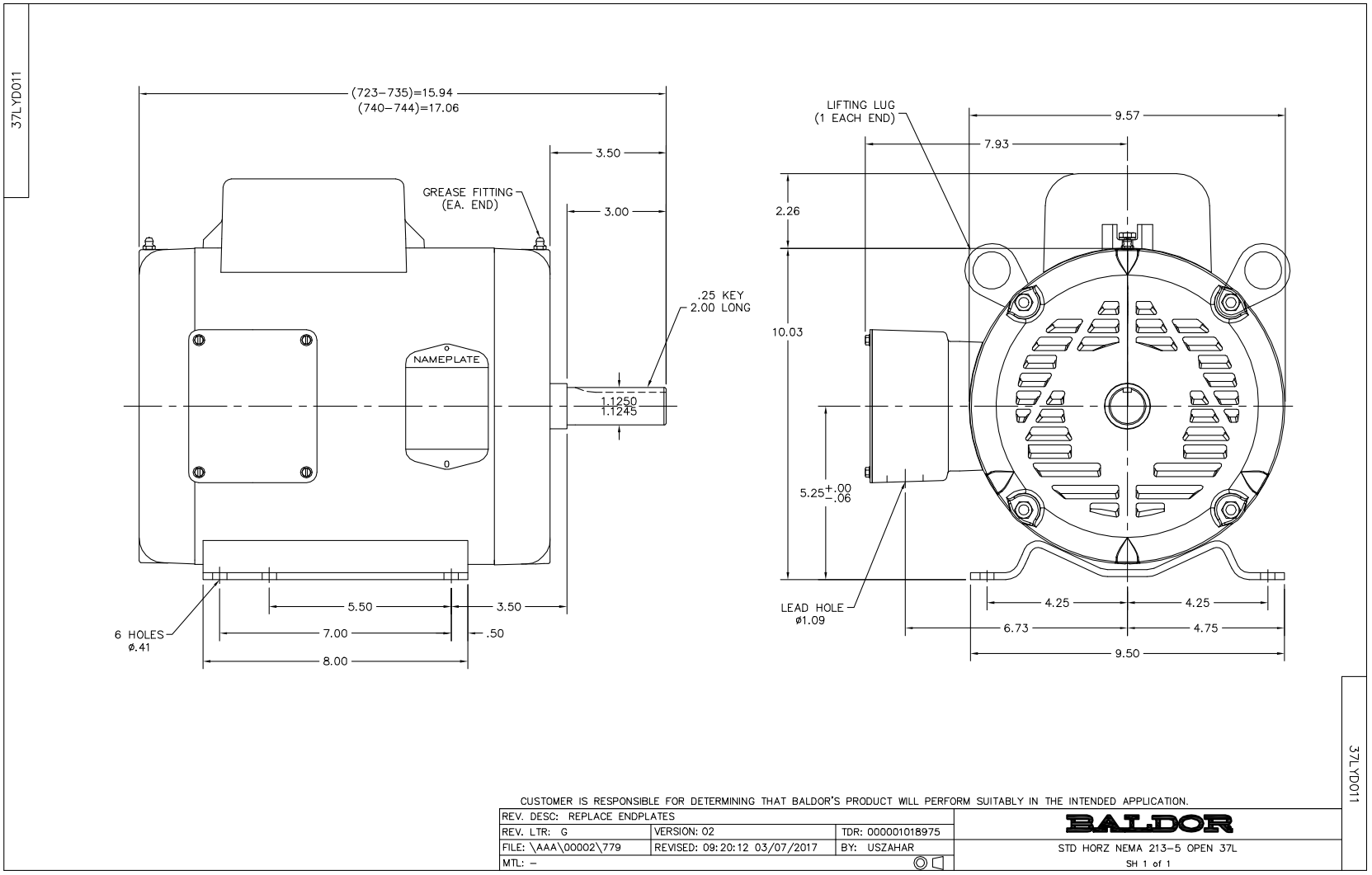
WINDING # 37WG0470

2 HP 1 PH 60 HZ 1140 RPM 115 V 3729L

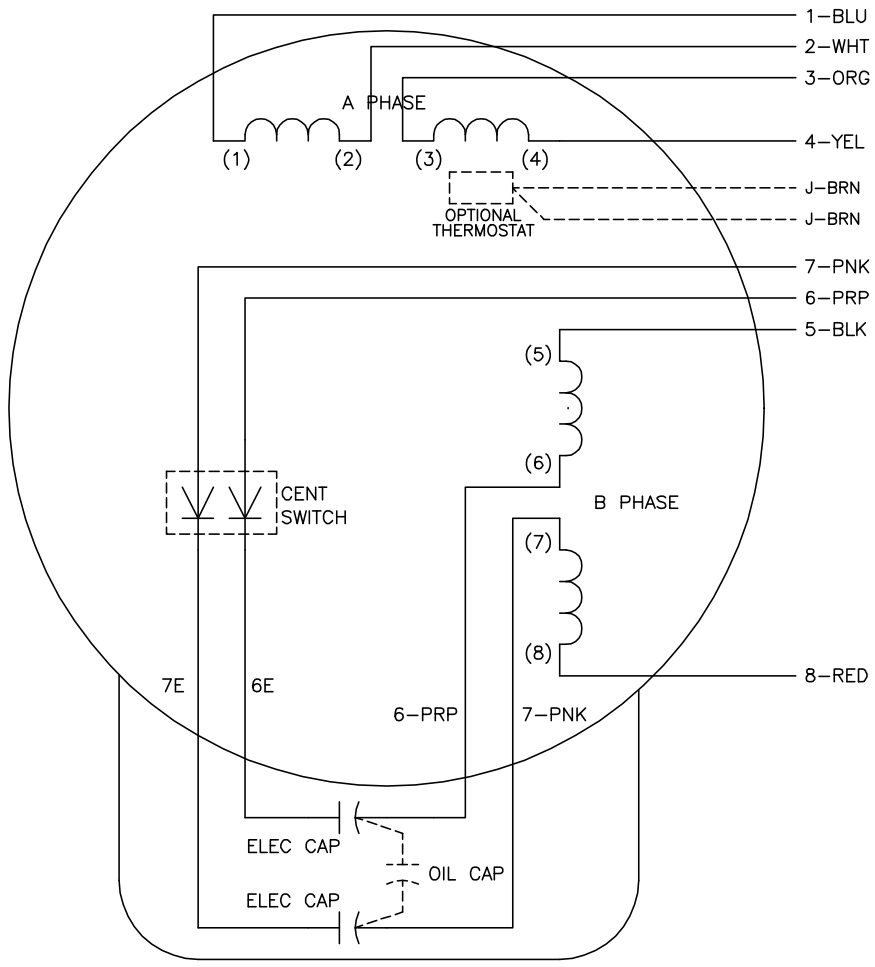
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=19 PU=16 LR=22 LRA=130




37LYD011
(723-735)=15.94
(740-744)=17.06
3.50
GREASE FITTING
(EA. END)
3.00
.25 KEY
2.00 LONG
NAMEPLATE
1.1250
1.1245
5.50
3.50
6 HOLES
ø.41
7.00
.50
8.00
LIFTING LUG
(1 EACH END)
9.57
7.93
2.26
10.03
5.25 +.00 -.06
LEAD HOLE
ø1.09
4.25
4.25
6.73
4.75
9.50
37LYD011
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.
REV. DESC: REPLACE ENDPLATES
REV. LTR: G
VERSION: 02
TDR: 000001018975
FILE: \AAA\00002\779
REVISED: 09:20:12 03/07/2017
BY: USZAHAR
MTL: –
BALDOR
STD HORZ NEMA 213-5 OPEN 37L
SH 1 of 1

CD0076



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4,5	2,3	6,7
HIGH OPP	1,5	4,8	2,3	6,7
LOW STD	1,3,6,8	2,4,5,7	–	–
LOW OPP	1,3,5,7	2,4,6,8	–	–

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. OPTIONAL OIL CAP(S) ARE PROVIDED WHEN SPECIFIED. MULTIPLE OIL CAPS ARE CONNECTED IN PARALLEL.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADD OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	VERSION: 01	TDR: 000000372126	
CD0076	FILE: \AAA\00007\419	REVISED: 15:44:39 09/28/2005	TYPE L OR LC, DV, REV, SERIES/PAR B PH, 8 LEAD
	MTL: –	BY: ENJOEP0	

CD0076