ABB BALDOR RELIANCE

Customer information packet

L1313-50

1.5/1.1KW, 2920RPM, 1PH, 50HZ, 56, 3530LC, OPE
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	1.100 KW @ 50 HZ
Phase	1
Synchronous Speed @ Frequency	3000 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ
Agency Approvals	CE
	CURUS
	UKCA
	WEEE
	C UR US
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	6.100 A @ 220.0 V
Design Code	-
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.1 a

Part Detail

Revision	F
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGG779
Layout	35LYM497
Eff. date	04-20-2026
CD Diagram	CD0055
Poles	02
Leads	4#16 A PH,2#18 B PH
Proprietary	False
Created date	06-01-2023

Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	2 @ 16 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3530LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.94 IN
Power Factor	98
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2920 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

NP1372L									
CAT.NO.	L1313-50								
SPEC.	35M497G779G1								
HP	1.5/1.1KW								
VOLTS	110/220								
AMP	12.6/6.3								
R.P.M. (1/MIN)	2915								
FRAME	56	**HZ**	50			**PH**	1		
SER.F.	1.15	**CODE**	J	**DES**	-	**CL**	B		
NEMA-NOM-EFF	82.5	**PF**	95						
RATING	40C AMB-S1 CONT								
CC			IP22 KG23 IC01						
DE	6205	**ODE**	6203						
ENCL	OPEN	**SN**							
	IE2 83.4(75%) 78.6(50%)								

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

AC Induction Motor Performance Data
Record # 101573
Typical performance - not guaranteed values

Winding: 35WGG779-R001	**Type:** 3530LC	**Enclosure:** OPEN

Nameplate Data				**110 V, 50 Hz: High Voltage Connection**	
Rated Output (KW)			1.1	**Full Load Torque**	2.65 LB-FT
Volts			110/220	**Start Configuration**	direct on line
Full Load Amps			12.6/6.3	**Breakdown Torque**	8.1 LB-FT
R.P.M.			2915	**Pull-up Torque**	7.4 LB-FT
Hz	50	**Phase**	1	**Locked-rotor Torque**	8.8 LB-FT
NEMA Design Code	-	**KVA Code**	J	**Starting Current**	96.7 A
Service Factor (S.F.)			1.15	**No-load Current**	3.39 A
NEMA Nom. Eff.	82.5	**Power Factor**	95	**Line-line Res. @ 25ºC**	0.322 Ω A Ph 0.651 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	25°C
S.F. Amps				**Temp. Rise @ S.F. Load**	30°C
				Locked-rotor Power Factor	92.6
				Rotor inertia	0.0645 lb-ft²

Load Characteristics 110 V, 50 Hz, 1.1 KW

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	82	91	94	95	96	96	96
Efficiency	67.1	78.6	83.4	83.3	82.6	80.4	82.9
Speed	2978	2959	2939	2916	2889	2858	2900
Line amperes	4.65	7.04	9.58	12.56	15.78	19.47	14.5

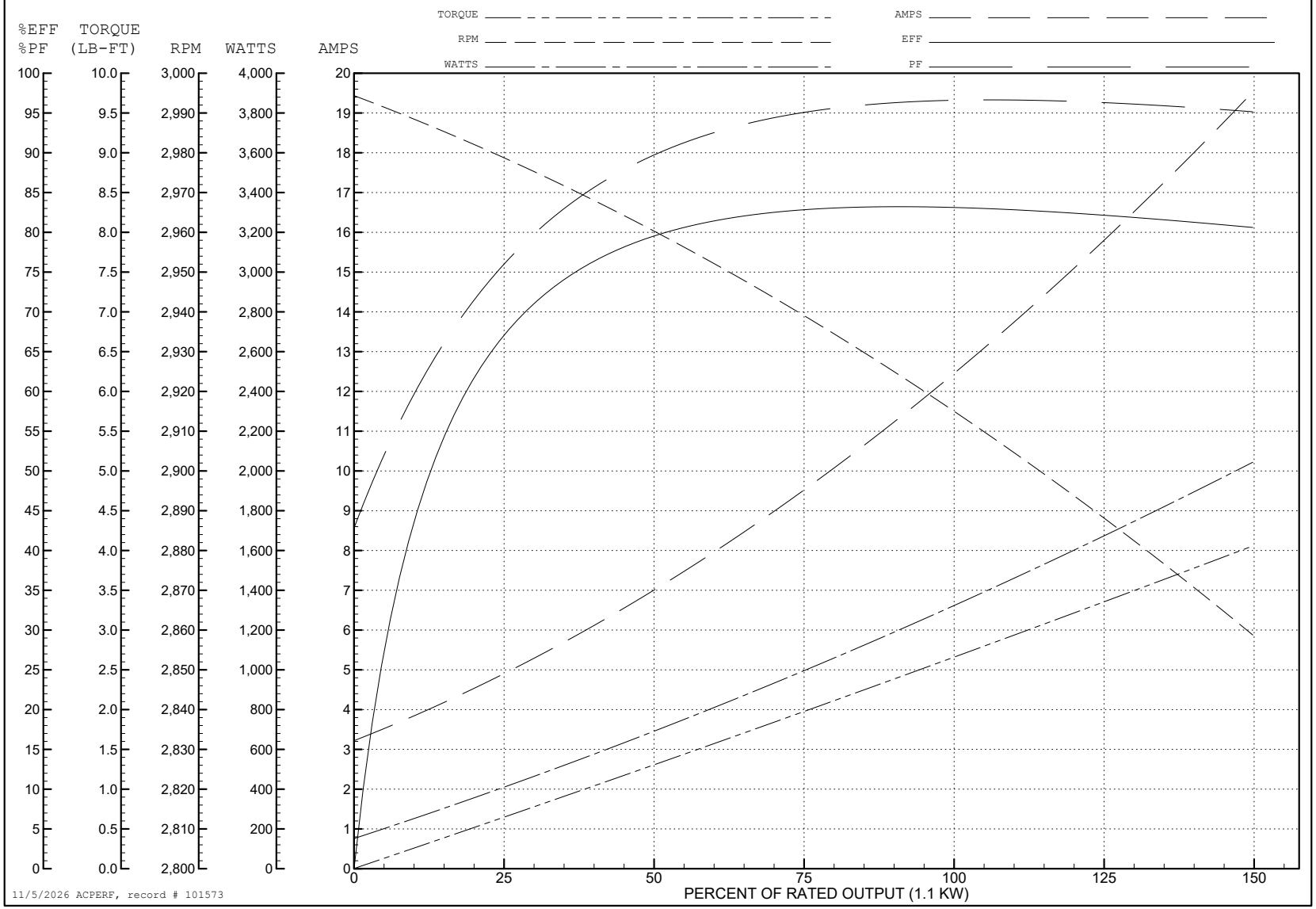
ABB Motors and Mechanical Inc.

WINDING # 35WGG779

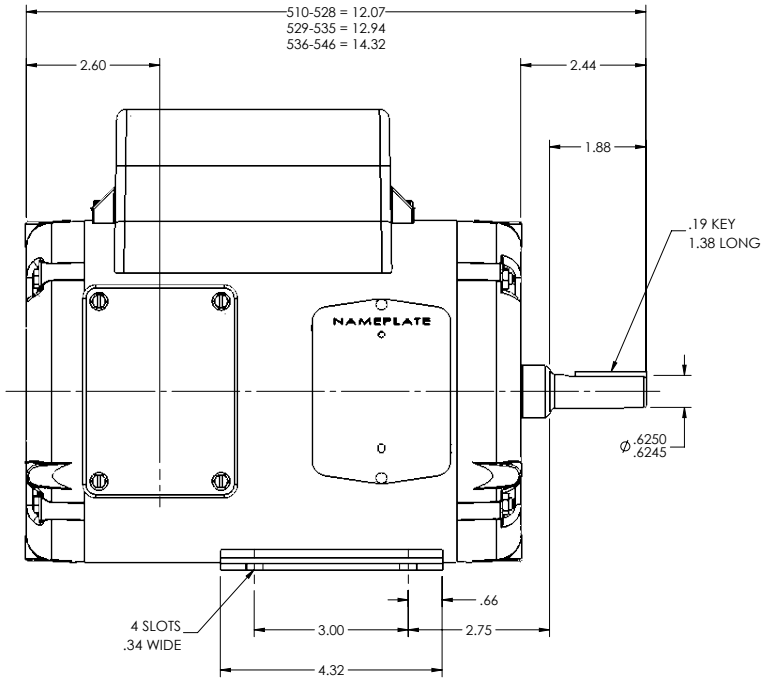
1.1 KW 1 PH 50 HZ 2915 RPM 110 V 3530LC

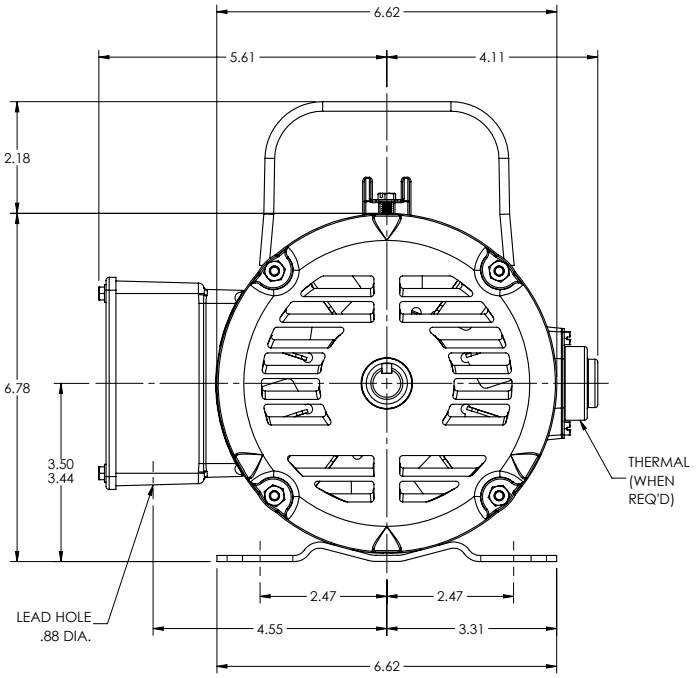
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=8.1 PU=7.4 LR=8.8 LRA=96.7



35LYM497





CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTEDED APPLICATION.

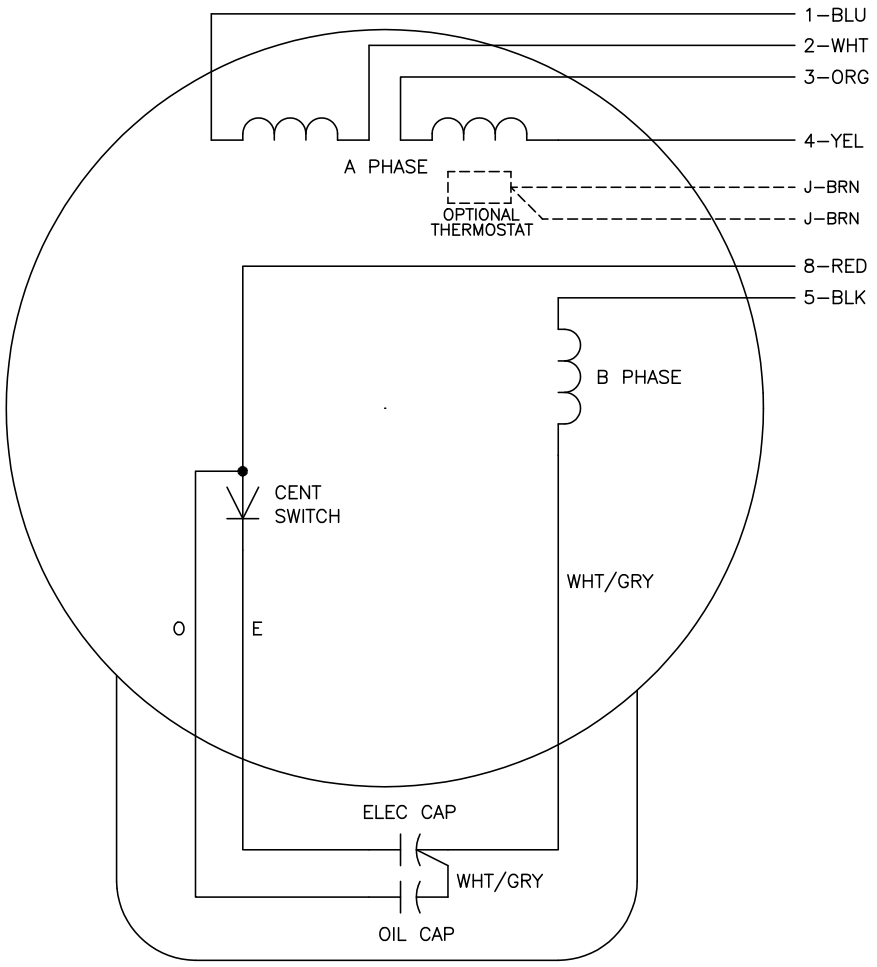
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE			
REV: E	VERSION: 05	REVISED: 07:55:50 04/04/2023	TDR: 000001205626
MODEL NO: 35LYM497			REF: -
BY: USBUFRA	Material: -		B

BALDOR - RELIANCE®

STD HORZ 56 OPEN 35LC
SH 1 of 1

35LYM497

CD0055



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

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. OPTIONAL THERMOSTAT IS PROVIDED WHEN SPECIFIED.
3. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS