Customer information packet

EL11308

.75HP, 1160RPM, 1PH, 60HZ, 56H, 3530LC, OPEN, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56H
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	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	CURUSEEV
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	6.300 A @ 115.0 V
	3.500 A @ 208.0 V
	3.200 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.2 a

Part Detail

Revision	E
Type	AC
Mech. spec.	35E007
Base	
Status	PRD/A
Elec. spec.	35WGG064
Layout	35LYE007
Eff. date	01-09-2026
CD Diagram	CD0055
Poles	06
Leads	6#18
Proprietary	False
Created date	08-01-2022

Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	H
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3530LC
Mounting Arrangement	F1
Number of Poles	6
Overall Length	12.62 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1160 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

NP3155L											
CAT.NO.	EL11308										
SPEC.	35E007G064										
HP	.75										
VOLTS	115/208-230										
AMP	6.3/3.5-3.2										
RPM	1160										
FRAME	56H		**HZ**	60			**PH**	1			
SER.F.	1.00	**CODE**	H	**DES**	L	**CL**	F				
F.L. AVG. EFF.	81.5	**PF**	95								
RATING	40C AMB-CONT										
CC											
DE	6205		**ODE**	6203							
ENCL	OPEN	**SN**									

AC Induction Motor Performance Data
Record # 88896
Typical performance - not guaranteed values

Winding: 35WGG064-R003	**Type:** 3530LC	**Enclosure:** OPEN

Nameplate Data			**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		.75	**Full Load Torque**	3.4 LB-FT
Volts		115/208-230	**Start Configuration**	direct on line
Full Load Amps		6.3/3.5-3.2	**Breakdown Torque**	8.03 LB-FT
R.P.M.		1160	**Pull-up Torque**	5.18 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	11.2 LB-FT
NEMA Design Code	L **KVA Code**	H	**Starting Current**	44.2 A
Service Factor (S.F.)		1	**No-load Current**	1.97 A
NEMA Nom. Eff.	81.5 **Power Factor**	95	**Line-line Res. @ 25ºC**	1.4 Ω A Ph 1.84 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	39°C
			Locked-rotor Power Factor	98.1
			Rotor inertia	0.217 lb-ft²

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	84	91	94	95	95	93
Efficiency	54.8	72.8	79.9	81.6	79.7	73.7
Speed	1190	1182	1172	1160	1143	1115
Line amperes	2.66	3.66	4.84	6.28	8.03	10.6

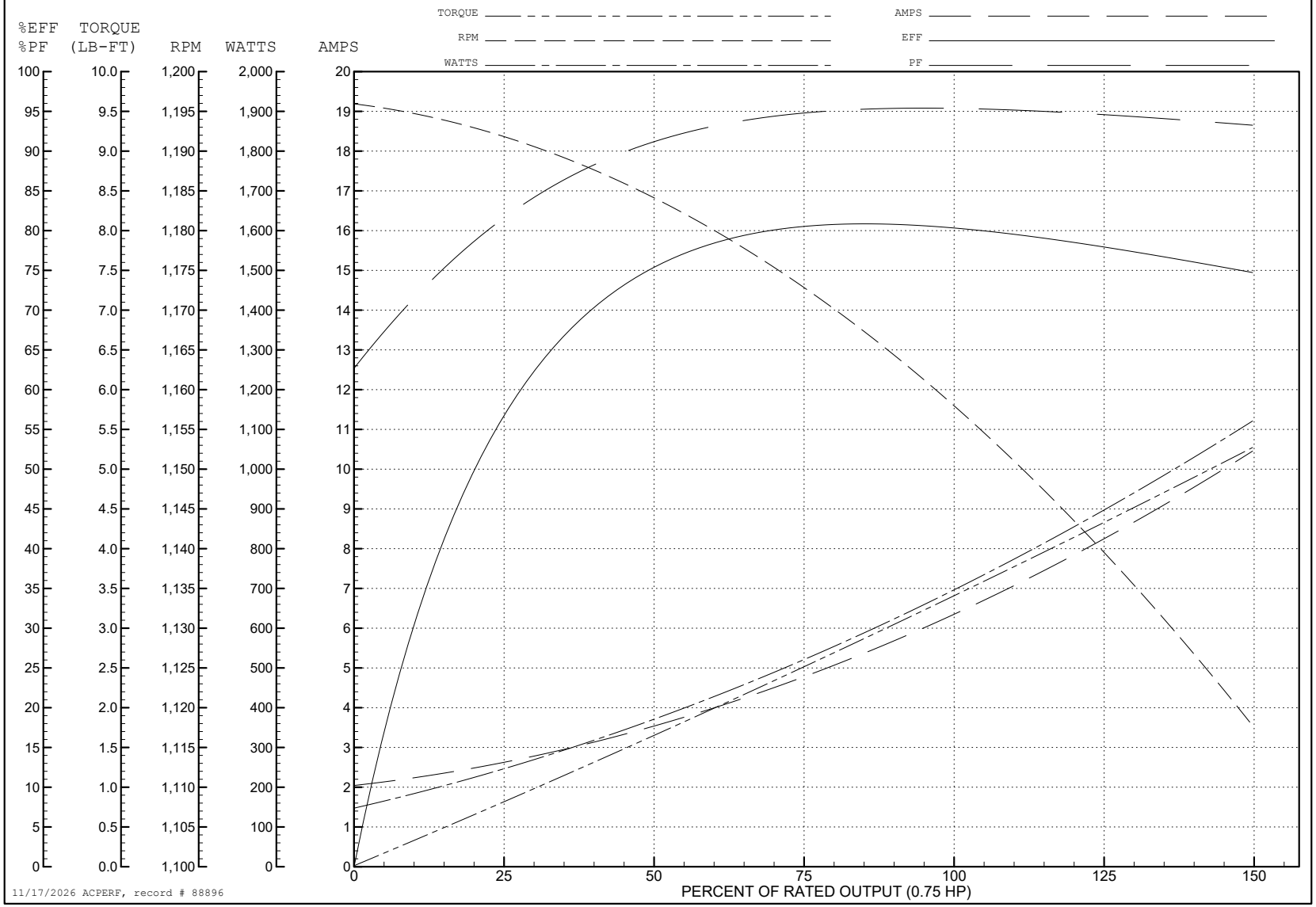
ABB Motors and Mechanical Inc.

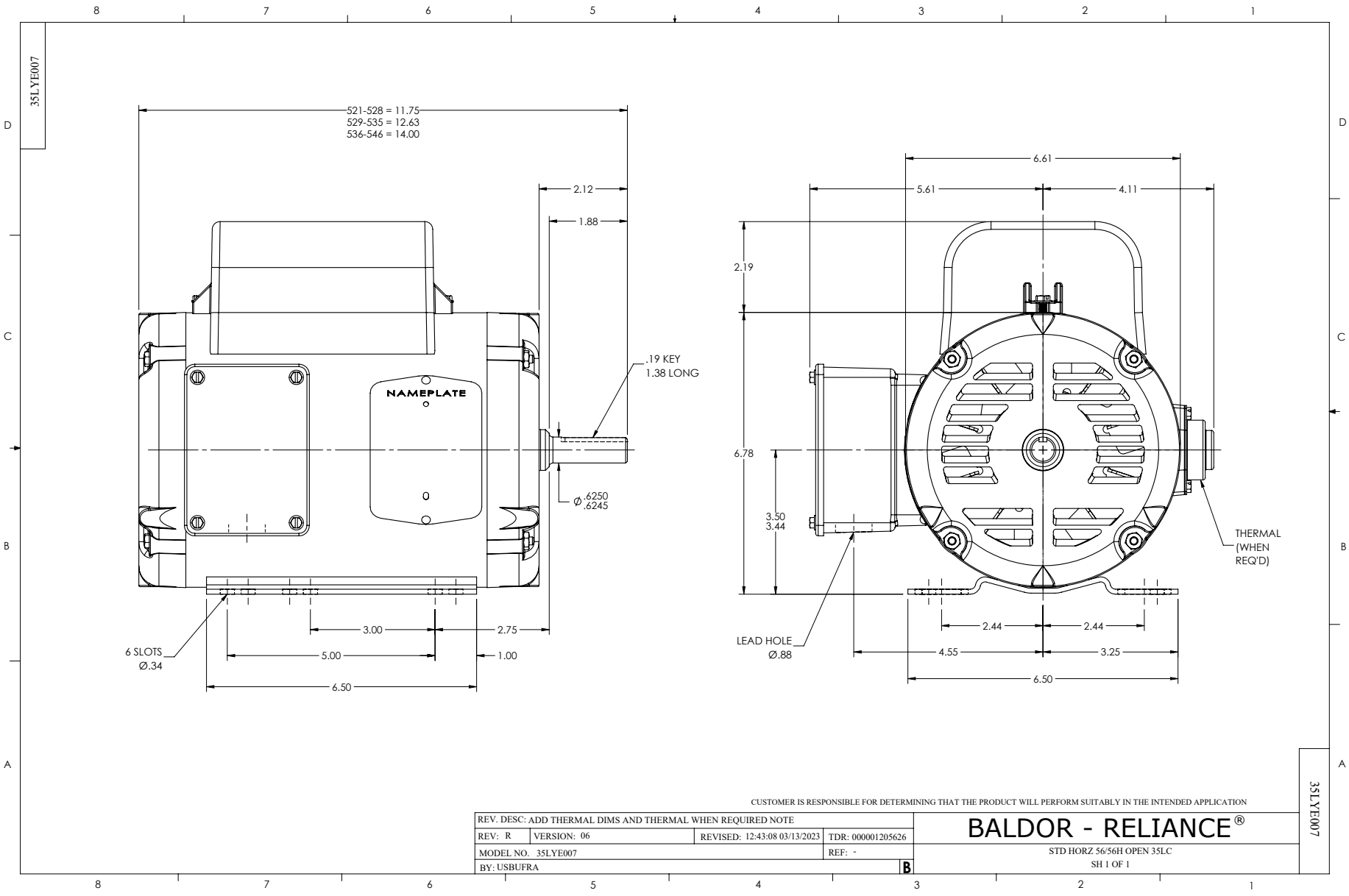
WINDING # 35WGG064

0.75 HP 1 PH 60 HZ 1160 RPM 115 V 3530LC

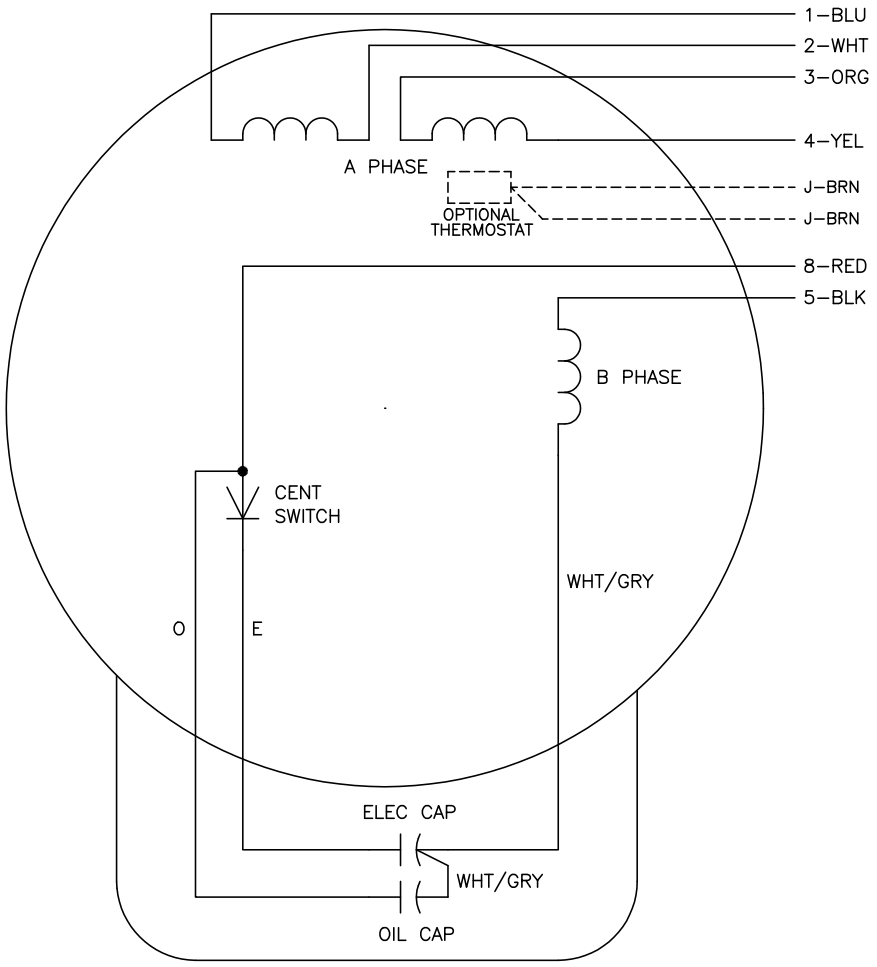
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=8.03 PU=5.18 LR=11.2 LRA=44.2




35LYE007
521-528 = 11.75
529-535 = 12.63
536-546 = 14.00
2.12
1.88
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
.6245
6 SLOTS
Ø.34
3.00
2.75
5.00
1.00
6.50
6.61
5.61
4.11
2.19
6.78
3.50
3.44
THERMAL
(WHEN
REQ'D)
LEAD HOLE
Ø.88
2.44
2.44
4.55
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: ADD THERMAL DIMS AND THERMAL WHEN REQUIRED NOTE
REV: R
VERSION: 06
REVISED: 12:43:08 03/13/2023
TDR: 000001205626
MODEL NO. 35LYE007
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
STD HORZ 56/56H OPEN 35LC
SH 1 OF 1
35LYE007

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