ABB BALDOR RELIANCE

Customer information packet

L3565M

.75HP, 1725RPM, 1PH, 60HZ, 66, 3524L, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	66
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	.750 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	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	10.600 A @ 115.0 V
	5.300 A @ 230.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	66.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.3 a
Insulation Class	B

Part Detail

Revision	AL
Type	AC
Mech. spec.	35E030
Base	
Status	NLA/A
Elec. spec.	35WG0282
Layout	35LYE030
Eff. date	05-07-2024
CD Diagram	CD0008
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	01-01-0001

Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3524L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.62 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.25
Shaft Diameter	0.750 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1725 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Do Not Use
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Manual Thermal Overload
Winding Thermal 1 Location	SB
Winding Thermal 2	None

Nameplate

NP1257L											
CAT.NO.											
SPEC.	35E30-282										
HP	.75										
VOLTS	115/230										
AMP	10.6/5.3										
RPM	1725										
FRAME	66		**HZ**	60		**PH**	1				
SER.F.	1.25	**CODE**	L	**DES**	N	**CL**	B				
NEMA-NOM-EFF	66	**PF**	68								
RATING	40C AMB-CONT										
CC											
DE	6205	**ODE**	6203								
ENCL	TEFC	**SN**									
	SFA 12.2/6.1										

Accessories

Part number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 8055
Typical performance - not guaranteed values

Winding: 35WG0282-R001	**Type:** 3524L	**Enclosure:** TEFC

Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	2.25 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			10.6/5.3	**Breakdown Torque**	6.5 LB-FT
R.P.M.			1725	**Pull-up Torque**	5.2 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	7 LB-FT
NEMA Design Code	N	**KVA Code**	L	**Starting Current**	34 A
Service Factor (S.F.)			1.25	**No-load Current**	4.4 A
NEMA Nom. Eff.	66	**Power Factor**	68	**Line-line Res. @ 25ºC**	2.84 Ω A Ph 1.57 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C
S.F. Amps			12.2/6.1	**Temp. Rise @ S.F. Load**	81°C

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	32	45	56	65	72	78	0
Efficiency	42.5	58.2	65.4	68.7	69.9	69.6	0
Speed	1784	1771	1757	1742	1724	1704	0
Line amperes	4.45	4.65	5	5.45	6.05	6.75	6.05

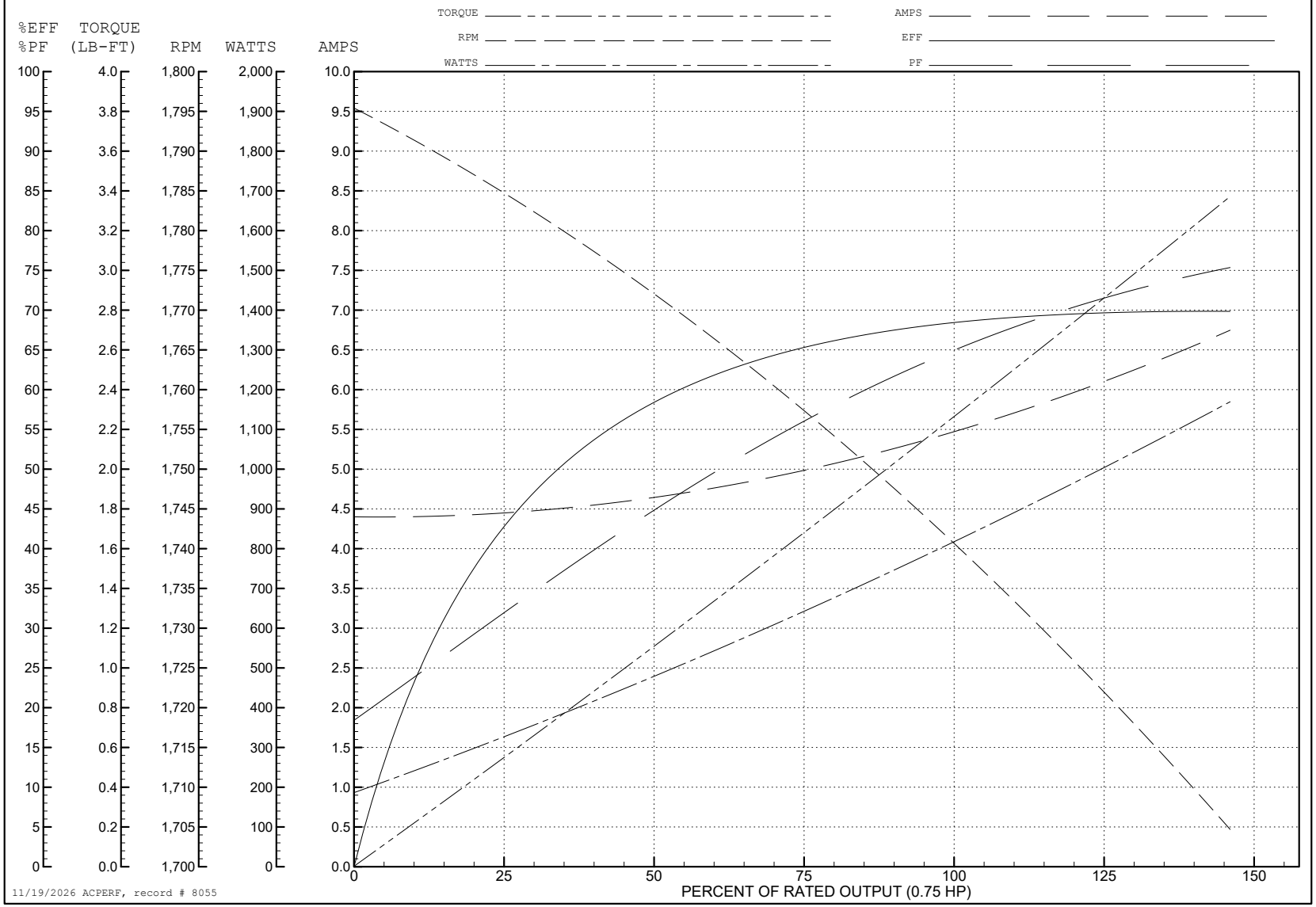
ABB Motors and Mechanical Inc.

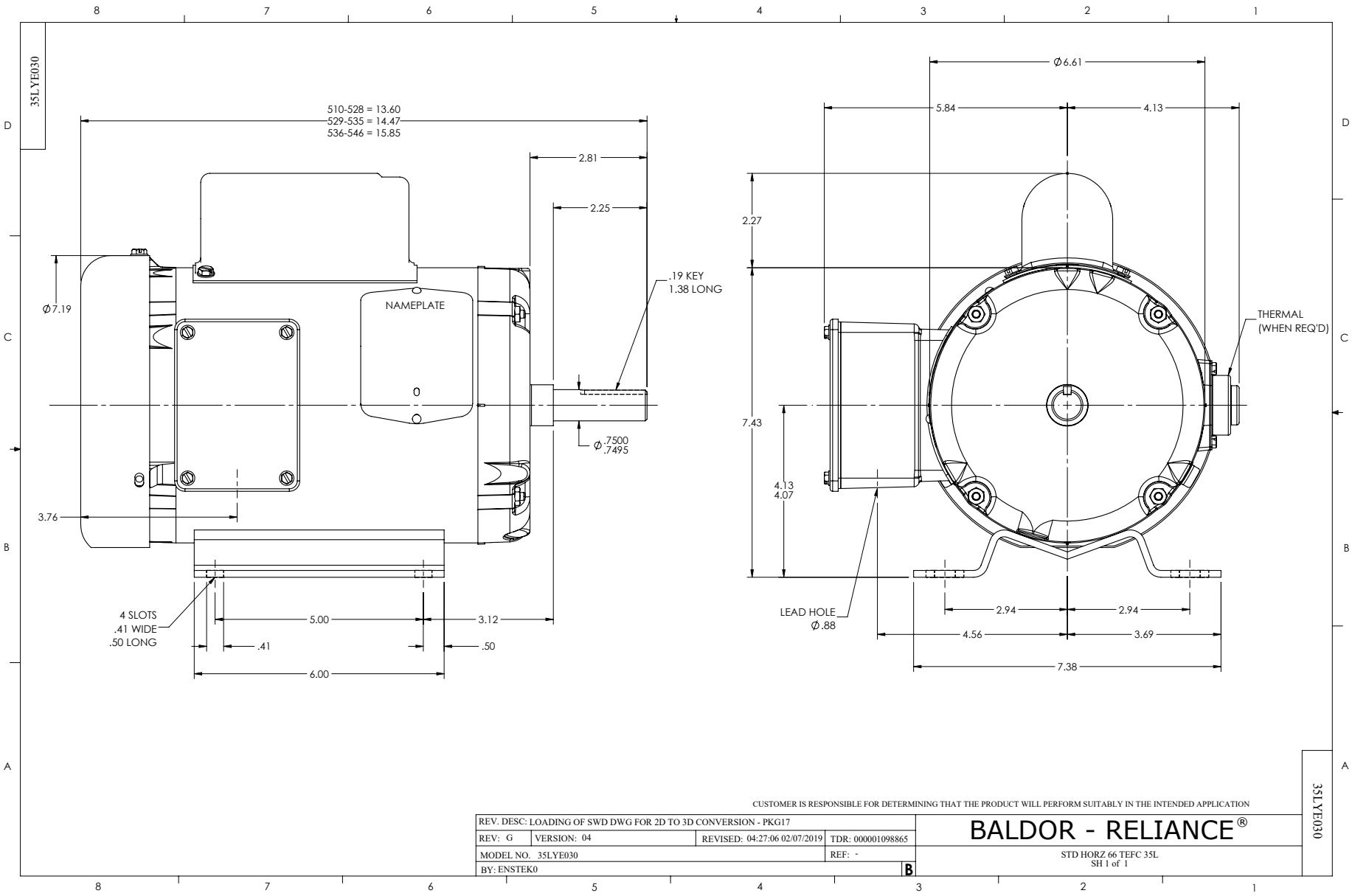
WINDING # 35WG0282

0.75 HP 1 PH 60 HZ 1725 RPM 230 V 3524L

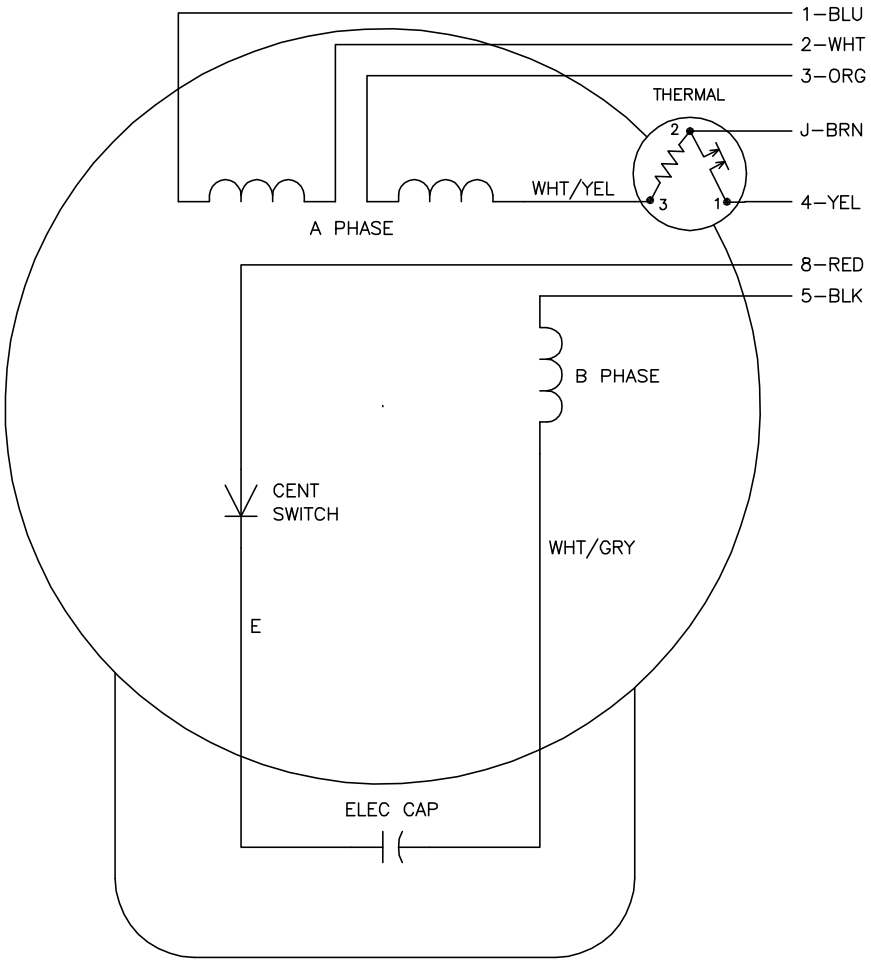
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=6.5 PU=5.2 LR=7 LRA=34




35LYE030
510-528 = 13.60
529-535 = 14.47
536-546 = 15.85
2.81
2.25
.19 KEY
1.38 LONG
NAMEPLATE
Ø7.19
Ø.7500
Ø.7495
3.76
4 SLOTS
.41 WIDE
.50 LONG
5.00
3.12
.41
.50
6.00
Ø6.61
5.84
4.13
2.27
7.43
4.13
4.07
THERMAL
(WHEN REQ'D)
LEAD HOLE
Ø.88
2.94
2.94
4.56
3.69
7.38
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG17
REV: G
VERSION: 04
REVISED: 04:27:06 02/07/2019
TDR: 000001098865
MODEL NO. 35LYE030
REF: -
BY: ENSTEK0
B
BALDOR - RELIANCE®
STD HORZ 66 TEFC 35L
SH 1 of 1
35LYE030

CD0008



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

NOTES:

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

CD0008

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0008A02			BALDOR ELECTRIC Co.
REV. LTR: F	VERSION: 01	TDR: 000000360649	
CD0008	FILE: \AAA\00007\408	REVISED: 10:56:54 04/18/2005	TYPE L, DV, REV, THERMAL, 7 LEADS
	MTL: –	BY: ENJOEP0	