ABB BALDOR RELIANCE

Customer information packet

FDL3514M

1.5HP, 1750RPM, 1PH, 60HZ, 56H, 3532LC, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	CSA
	UR
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	7.100 A @ 208.0 V
	6.500 A @ 230.0 V
	13.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	80.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	E
Type	AC
Mech. spec.	35E2560
Base	
Status	PRD/A
Elec. spec.	35WGZ997
Layout	35LYE2560
Eff. date	07-25-2024
CD Diagram	CD0320
Poles	04
Leads	4#16 A&J,2#18 B PH,1#14 #4TH
Proprietary	False
Created date	01-16-2024

High Voltage Full Load Amps	6.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	4 @ 16 AWG, A&J
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3532LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.78 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
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	Shaft Slinger
Speed	1750 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	Manual Thermal Overload
Winding Thermal 1 Location	KO
Winding Thermal 2	None

Nameplate

NP1280L									
CAT.NO.	FDL3514M								
SPEC.	35E2560Z997G1								
HP	1.5								
VOLTS	115/208-230								
AMP	13/7.1-6.5								
RPM	1750								
FRAME	56H	**HZ**	60	**PH**	1				
SER.F.	1.00	**CODE**	J	**DES**	L	**CL**	F		
NEMA-NOM-EFF	80	**PF**	95						
RATING	40C AMB-CONT								
CC									
DE	6205	**ODE**	6203						
ENCL	TEFC	**SN**							

Accessories

Part number	Description	Multiplier
35-3300FD	C FACE KIT FARM DUTY 143-5TC ENCL, 6205	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data
Record # 104835
Typical performance - not guaranteed values

Winding: 35WGZ997-R001	**Type:** 3532LC	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.597 LB-FT
Volts			115/208-230	**Start Configuration**	direct on line
Full Load Amps			13/7.1-6.5	**Breakdown Torque**	11.5 LB-FT
R.P.M.			1750	**Pull-up Torque**	9.24 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	11.6 LB-FT
NEMA Design Code	L	**KVA Code**	J	**Starting Current**	93.9 A
Service Factor (S.F.)			1	**No-load Current**	3.64 A
NEMA Nom. Eff.	80	**Power Factor**	95	**Line-line Res. @ 25ºC**	2.1749 Ω A Ph 1.8972 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	64°C

Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	78	89	93	95	95	95
Efficiency	64.7	76.4	80.1	80.5	79.1	75.6
Speed	1788.1	1776.5	1764.6	1750.3	1735.8	1712.2
Line amperes	4.97	7.32	9.99	13	16.1	20.2

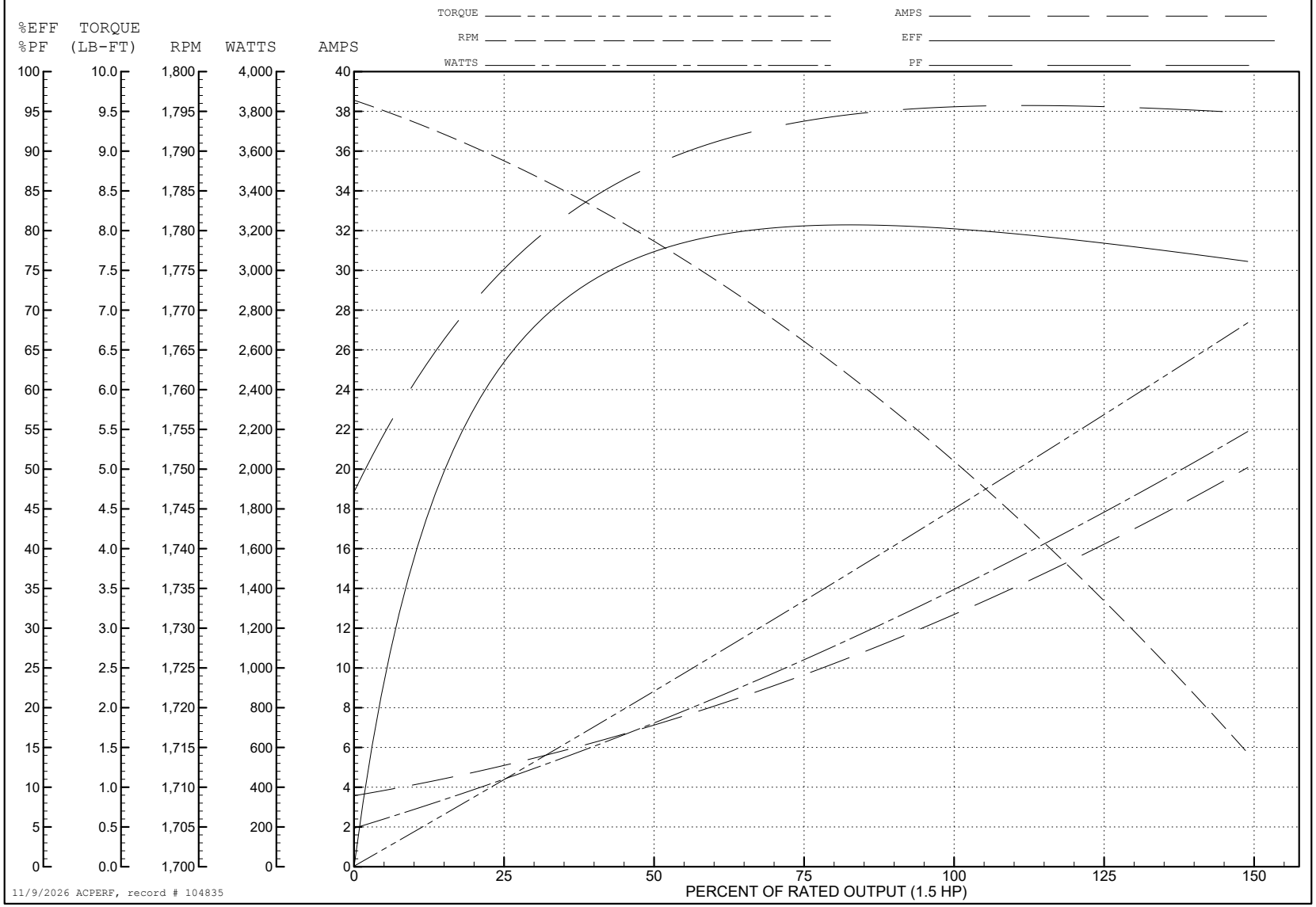
ABB Motors and Mechanical Inc.

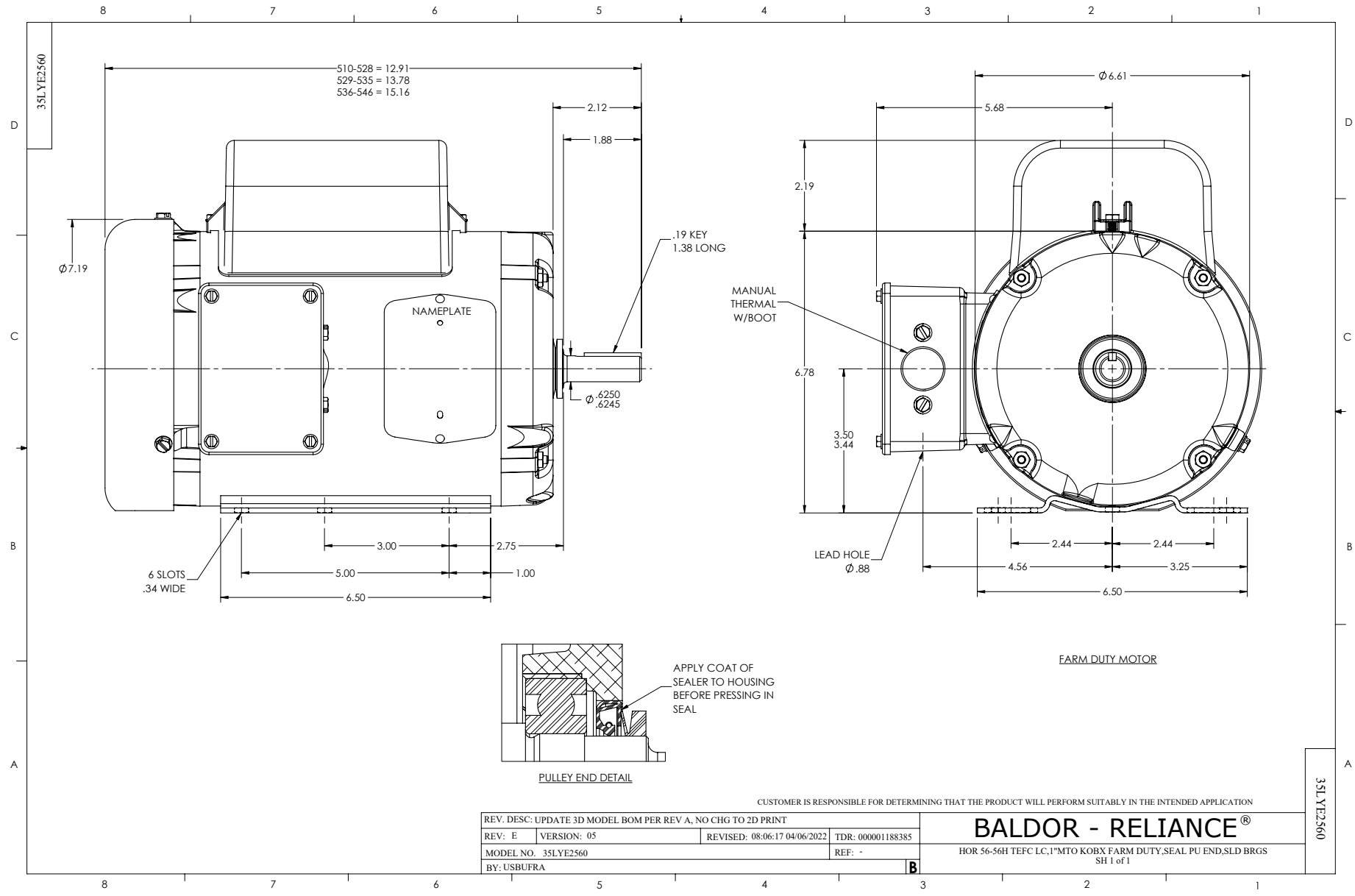
WINDING # 35WGZ997

1.5 HP 1 PH 60 HZ 1750 RPM 115 V 3532LC

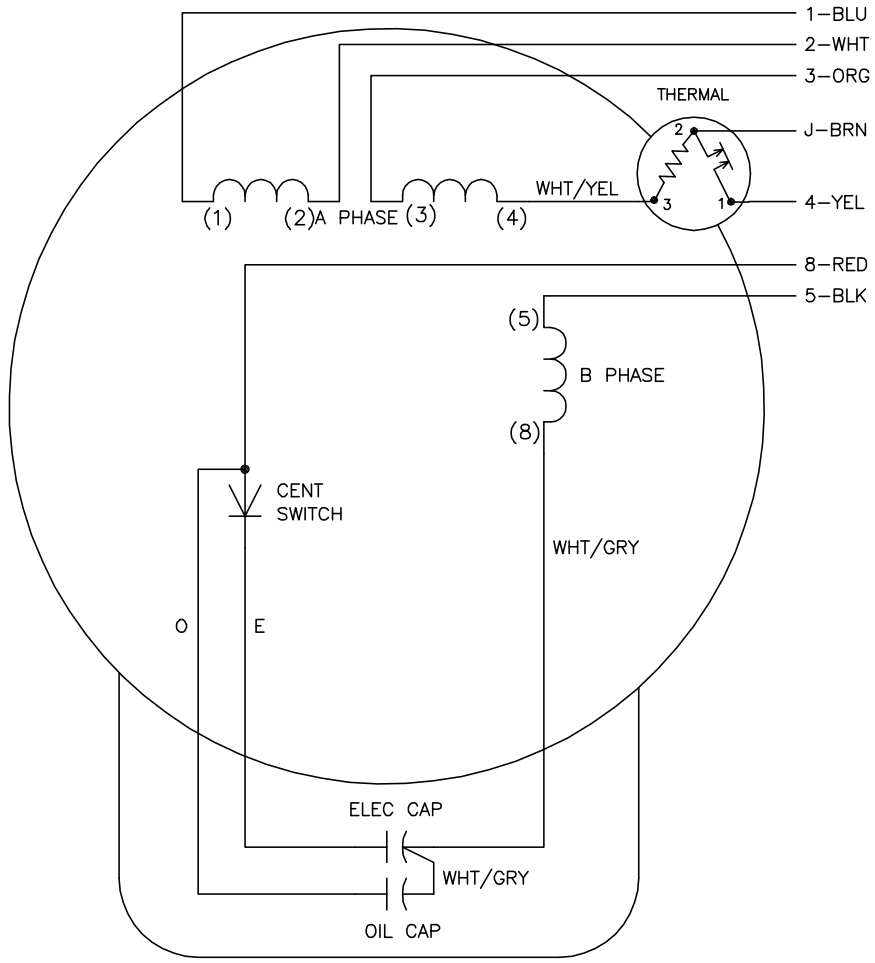
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=11.5 PU=9.24 LR=11.6 LRA=93.9




35LYE2560
510-528 = 12.91
529-535 = 13.78
536-546 = 15.16
2.12
1.88
Ø7.19
.19 KEY
1.38 LONG
NAMEPLATE
Ø .6250
Ø .6245
3.00
2.75
6 SLOTS
.34 WIDE
5.00
1.00
6.50
Ø6.61
5.68
2.19
MANUAL
THERMAL
W/BOOT
6.78
3.50
3.44
LEAD HOLE
Ø .88
2.44
2.44
4.56
3.25
6.50
FARM DUTY MOTOR
APPLY COAT OF
SEALER TO HOUSING
BEFORE PRESSING IN
SEAL
PULLEY END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: UPDATE 3D MODEL BOM PER REV A, NO CHG TO 2D PRINT
REV: E
VERSION: 05
REVISED: 08:06:17 04/06/2022
TDR: 000001188385
MODEL NO. 35LYE2560
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HOR 56-56H TEFC LC,1"MTO KOBX FARM DUTY,SEAL PU END,SLD BRGS
SH 1 of 1
35LYE2560

CD0320



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

CD0320

REV. DESC: ADD INTERNAL CONNECTION TO HELP MANUFACTURING		
REV. LTR: G	VERSION: 01	TDR: 000000941594
FILE: \AAA\00007\422	REVISED: 02:21:00 08/28/2015	BY: ENALEMO
MTL: –		

BALDOR

TYPE LC, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

SH 1 of 1