ABB BALDOR RELIANCE

Customer information packet

XL050762

.75HP, 1165RPM, 1PH, 60HZ, 56, 3540L, XPFC, F1
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	56
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.750 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	UL
	CSA
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	10.500 A @ 115.0 V
	5.250 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	72.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	5.3 a

Part Detail

Revision	F
Type	AC
Mech. spec.	35E353
Base	
Status	PRD/A
Elec. spec.	35WGG517
Layout	35LYE353
Eff. date	06-05-2026
CD Diagram	CD0001
Poles	06
Leads	6#18
Proprietary	False
Created date	12-02-2022

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
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	X3540L
Mounting Arrangement	F1
Number of Poles	6
Overall Length	17.40 IN
Power Factor	63
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-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	1165 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1426XPSL							
NO.		**CC**					
SER.							
SPEC.	35E353G517						
CAT.NO.	XL050762						
HP	.75	**T. CODE**	T3C				
VOLTS	115/230						
AMPS	10.5/5.25						
RPM	1165						
HZ	60	**PH**	1	**CL**	F		
SER.F.	1.15	**DES**	L	**CODE**	L		
RATING	40C AMB-CONT						
FRAME	56			**NEMA-NOM-EFF**	72		
		PF	63				
BLANK	NEMA MG-1 PART 5, IP54						

AC Induction Motor Performance Data
Record # 96489
Typical performance - not guaranteed values

Winding: 35WGG517-R001	**Type:** 3540L	**Enclosure:** TEFC

Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			.75	**Full Load Torque**	3.37 LB-FT
Volts			115/230	**Start Configuration**	direct on line
Full Load Amps			10.5/5.25	**Breakdown Torque**	8.9 LB-FT
R.P.M.			1165	**Pull-up Torque**	4.6 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9.5 LB-FT
NEMA Design Code	L	**KVA Code**	L	**Starting Current**	47.6 A
Service Factor (S.F.)			1.15	**No-load Current**	8.23 A
NEMA Nom. Eff.	72	**Power Factor**	63	**Line-line Res. @ 25ºC**	0.749 Ω A Ph 3.72 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	74°C
S.F. Amps			11.2/5.6	**Temp. Rise @ S.F. Load**	83°C
				Locked-rotor Power Factor	83.2
				Rotor inertia	0.29 lb-ft²

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	29	42	54	63	69	74	67
Efficiency	49.9	64.9	71.2	73.8	74.5	73.9	74.2
Speed	1191	1184	1176	1168	1158	1147	1162
Line amperes	8.4	8.84	9.55	10.5	11.8	13.3	11.3

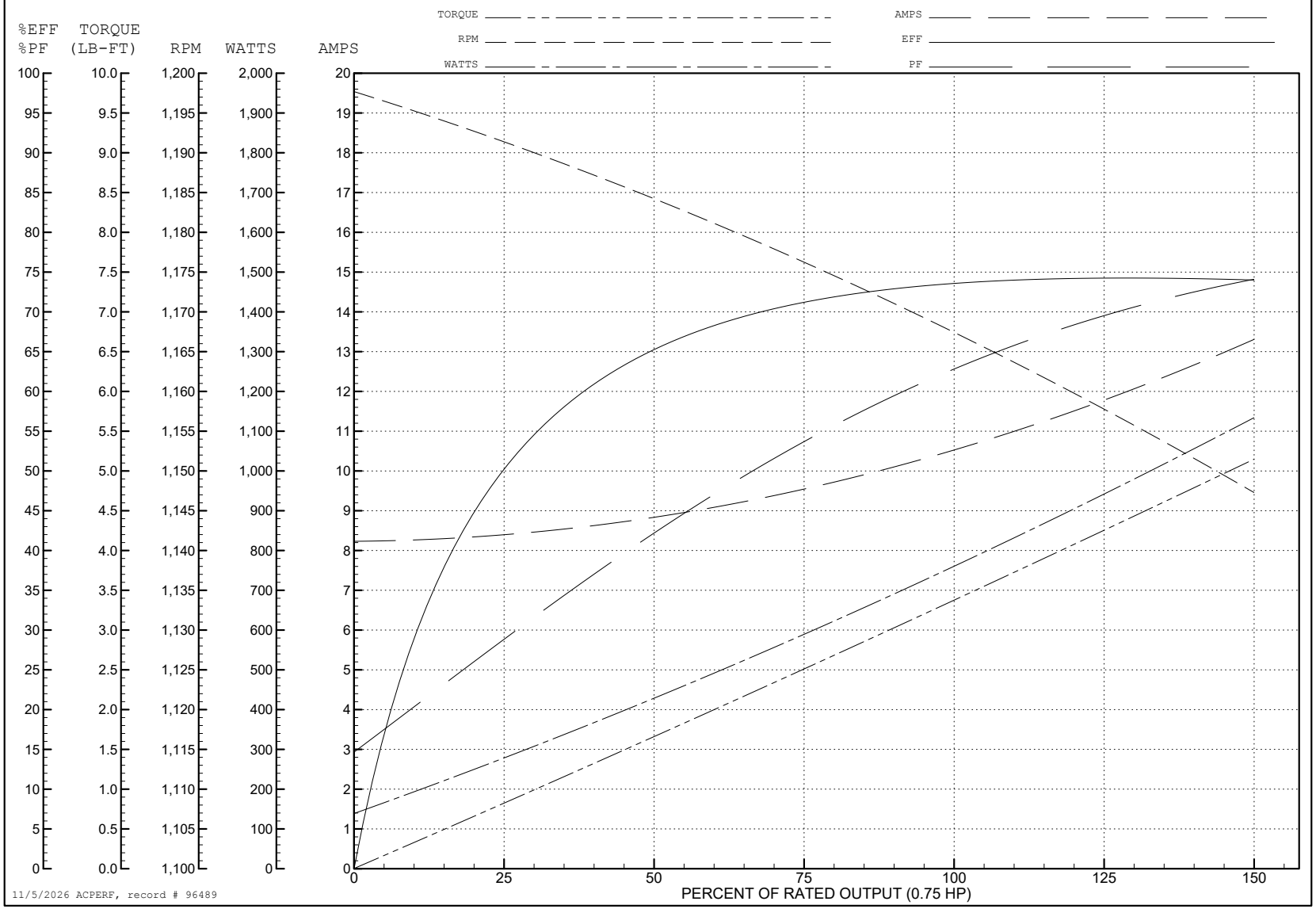
ABB Motors and Mechanical Inc.

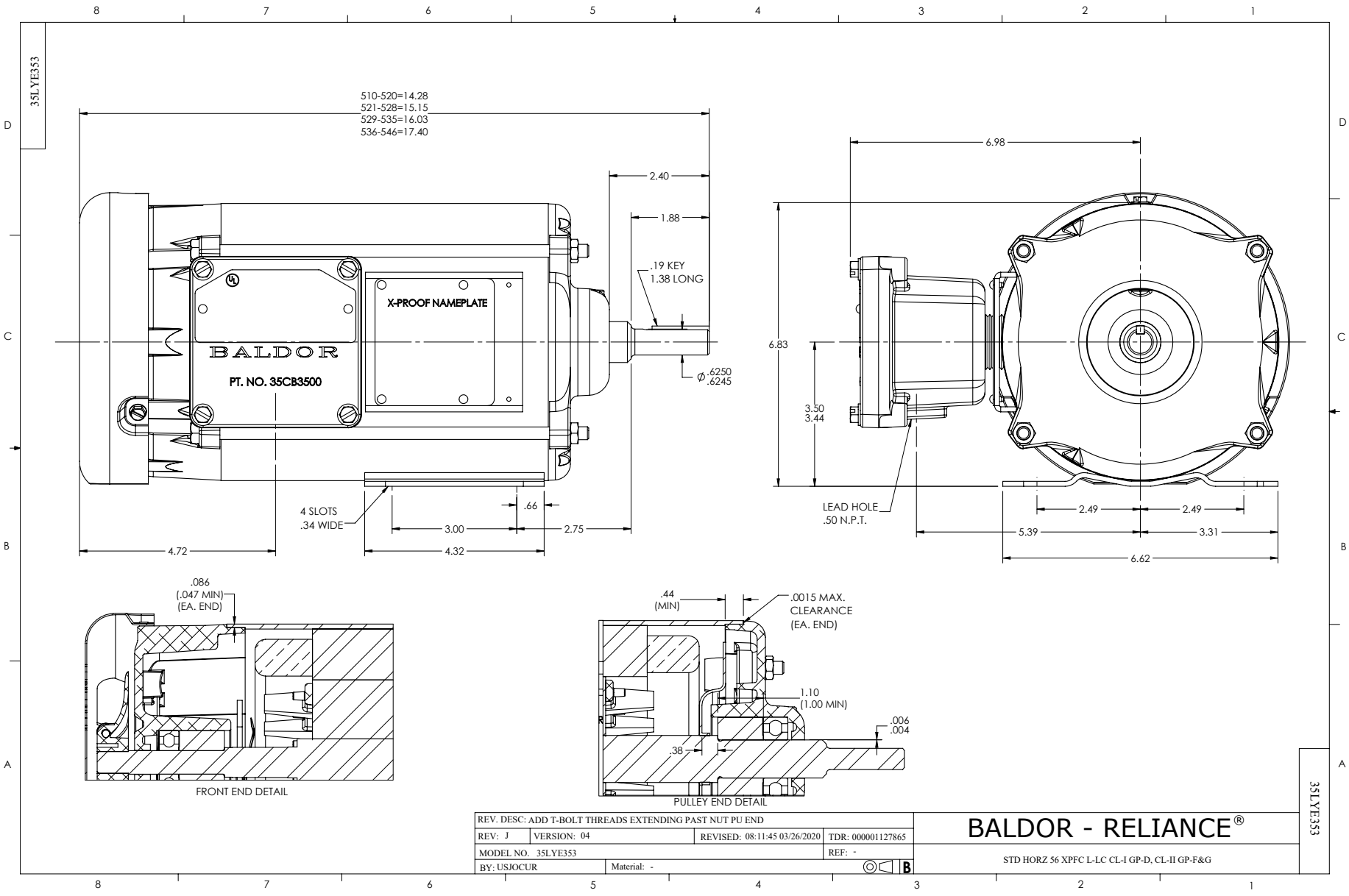
WINDING # 35WGG517

0.75 HP 1 PH 60 HZ 1165 RPM 115 V 3540L

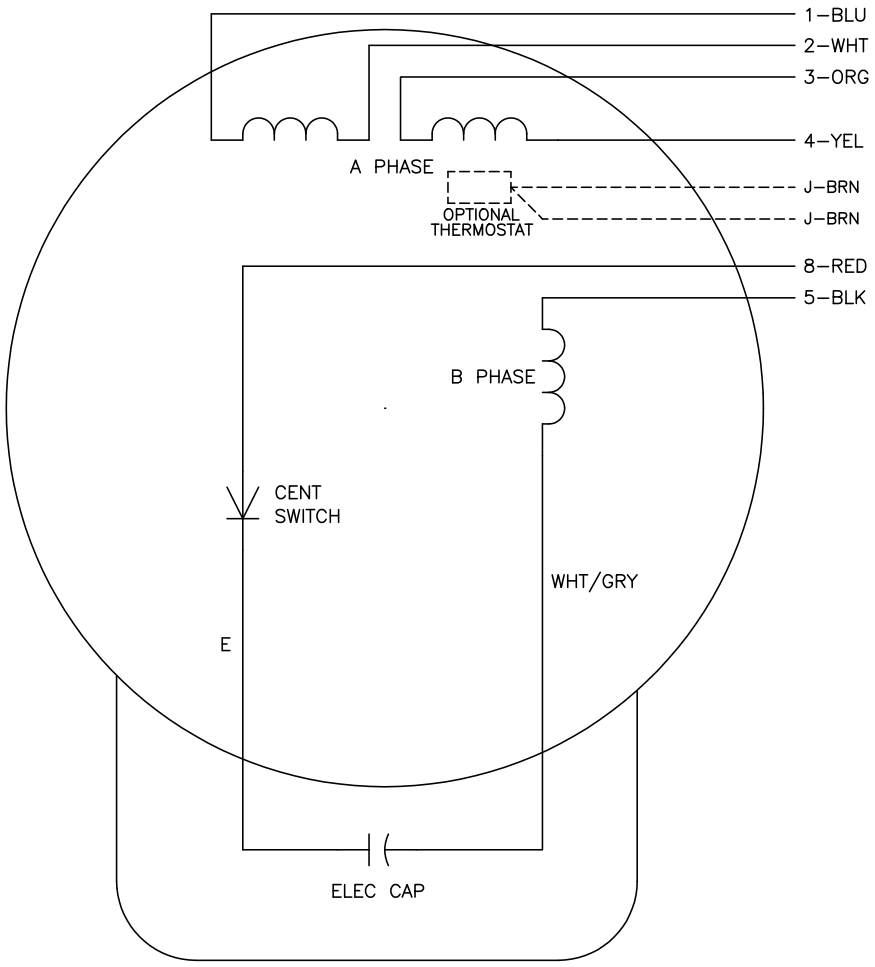
Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=8.9 PU=4.6 LR=9.5 LRA=47.6




35LYE353
510-520=14.28
521-528=15.15
529-535=16.03
536-546=17.40
2.40
1.88
.19 KEY
1.38 LONG
X-PROOF NAMEPLATE
BALDOR
PT. NO. 35CB3500
Ø .6250
.6245
4 SLOTS
.34 WIDE
.66
3.00
2.75
4.72
4.32
6.98
6.83
3.50
3.44
LEAD HOLE
.50 N.P.T.
2.49
2.49
5.39
3.31
6.62
.086
(.047 MIN)
(EA. END)
FRONT END DETAIL
.44
(MIN)
.0015 MAX.
CLEARANCE
(EA. END)
1.10
(1.00 MIN)
.006
.004
.38
PULLEY END DETAIL
REV. DESC: ADD T-BOLT THREADS EXTENDING PAST NUT PU END
REV: J
VERSION: 04
REVISED: 08:11:45 03/26/2020
TDR: 000001127865
MODEL NO. 35LYE353
REF: -
BY: USJOCUR
Material: -
B
BALDOR - RELIANCE®
STD HORZ 56 XPFC L-LC CL-I GP-D, CL-II GP-F&G
35LYE353

CD0001



	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.

CD0001

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
CD0001		FILE: AAA00007405	MDL: –
		MTL: –	TYPE L, DV, REV, 6 LEADS