



Customer information packet

EL11307M

.75 SFA 8.3/4.15HP, 1755RPM, 1PH, 60HZ

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	56
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	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.400 A @ 230.0 V 6.800 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	81.8 %
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	3.4 a
Insulation Class	F

Part detail

Revision	M
Type	AC
Mech. spec.	35M497
Base	
Status	PRD/A
Elec. spec.	35WGL159
Layout	35LYM497
Eff. date	02-13-2025
CD Diagram	CD0320
Poles	04
Leads	6#18,1#14 #4TH
Proprietary	False
Created date	09-30-2014

Inverter Code	Not Inverter
KVA Code	M
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	3524LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.07 IN
Power Factor	90
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	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1755 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	ES
Winding Thermal 2	None

Nameplate

NP3273L														
CAT.NO.	EL11307M													
SPEC.	35M497L159G1													
HP	.75													
VOLTS	115/230													
AMP	6.8/3.4													
RPM	1755													
FRAME	56			HZ	60				PH	1				
SER.F.	1.25	CODE		M	DES	N	CL	F						
F.L. AVG. EFF.	81.8	PF		90										
RATING	40C AMB-CONT													
CC														
DE	6205			ODE	6203									
ENCL	OPEN	SN												
SFA 8.3/4.15														

AC Induction Motor Performance Data

Record # 61273

Typical performance - not guaranteed values

Winding: 35WGL159-R003			Type: 3524LC		Enclosure: OPEN		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		.75	Full Load Torque		2.25 LB-FT		
Volts		115/230	Start Configuration		direct on line		
Full Load Amps		6.8/3.4	Breakdown Torque		6.6 LB-FT		
R.P.M.		1755	Pull-up Torque		5.3 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		7.6 LB-FT	
NEMA Design Code		N	KVA Code	M	Starting Current		67.2 A
Service Factor (S.F.)		1.25		No-load Current		3.1 A	
NEMA Nom. Eff.		81.8	Power Factor	90	Line-line Res. @ 25°C		0.78 Ω A Ph 2.3 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		21°C	
S.F. Amps		8.3/4.15		Temp. Rise @ S.F. Load		26°C	
				Locked-rotor Power Factor		91.6	
				Rotor inertia		0.142 LB-FT2	

Load Characteristics 115 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	75	82	89	91	92	91
Efficiency	66.5	80.4	83.6	85.3	85	84.6	85
Speed	1787	1777	1765	1755	1745	1729	1745
Line amperes	3.4	4.1	5.4	6.4	7.8	9.3	7.8

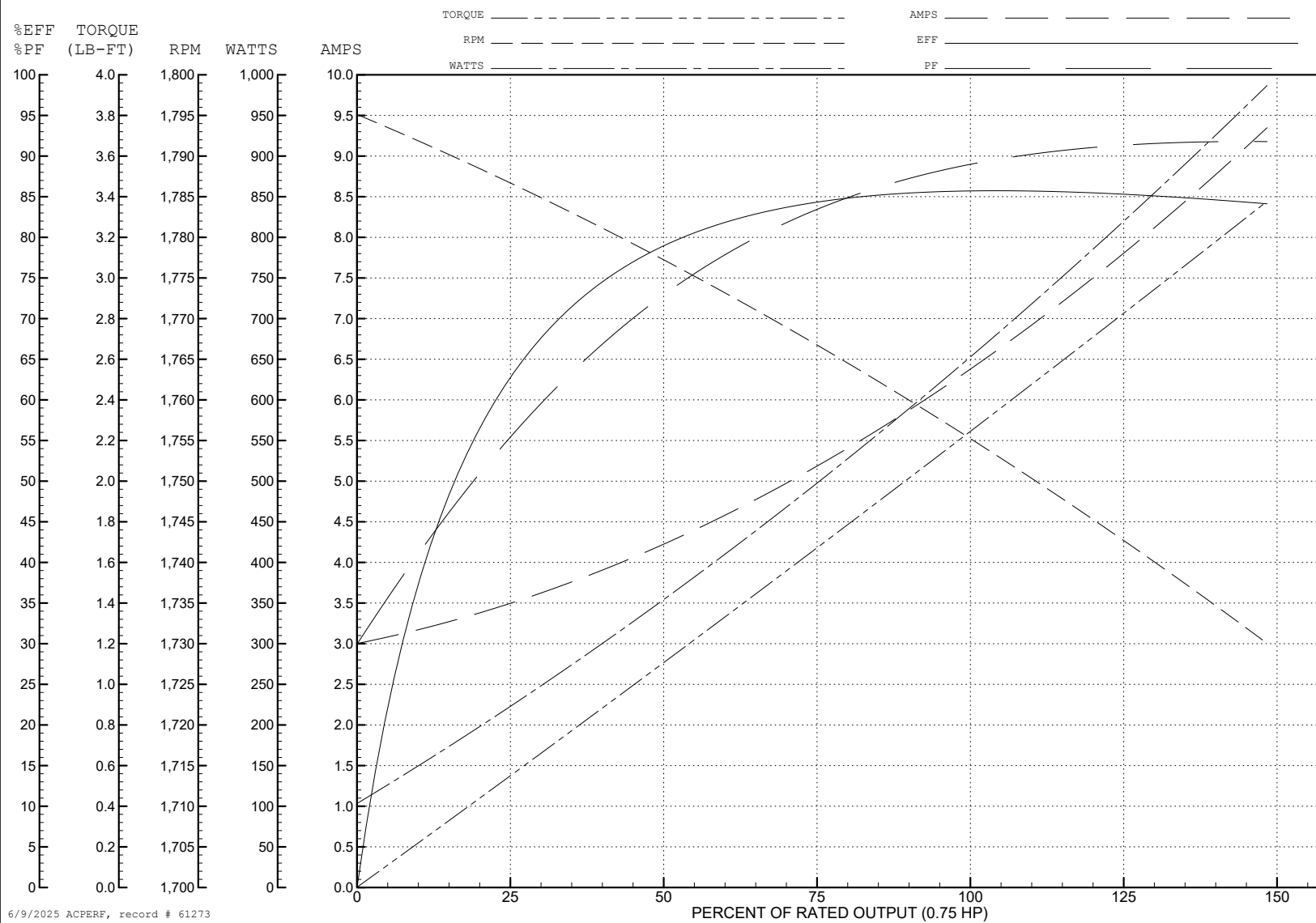
ABB Motors and Mechanical Inc.

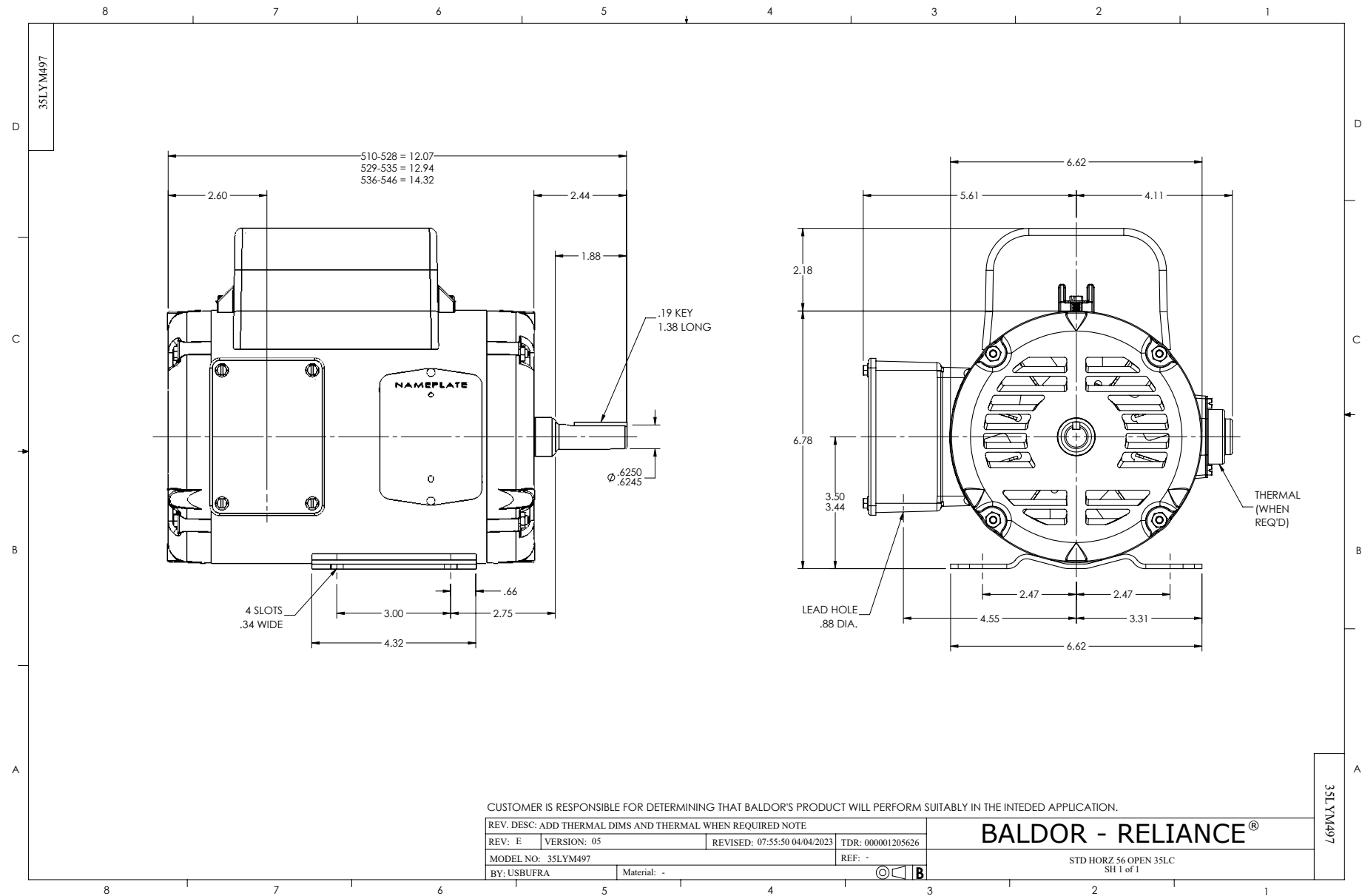
WINDING # 35WGL159

Typical performance - not guaranteed values.

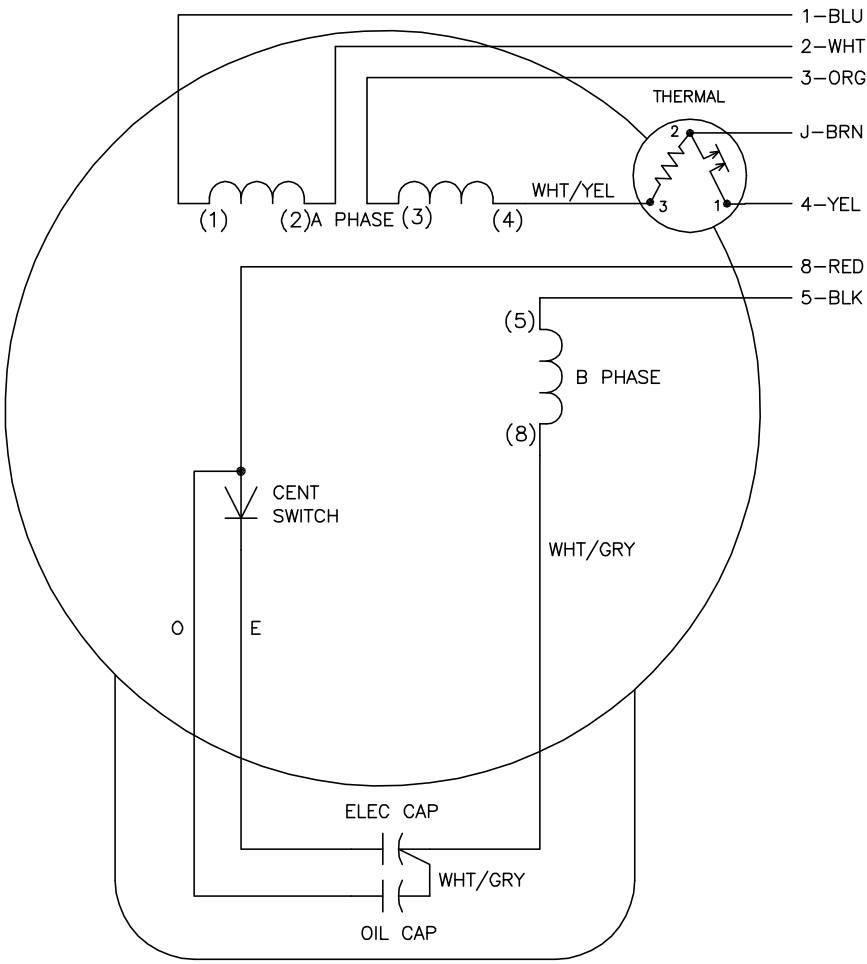
0.75 HP 1 PH 60 HZ 1755 RPM 115 V 3524LC

TORQUES (LB-FT): PO=6.6 PU=5.3 LR=7.6 LRA=67.2





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
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