Customer information packet

PCL1327M

5HP, 3450RPM, 1PH, 60HZ, 56HCY, 3535LC, ODTF
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODTF
Frame	56HCY
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	5.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	UR
	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	23.000 A @ 230.0 V
	24.000 A @ 208.0 V
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	74.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	23.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part Detail

Revision	AR
Type	AC
Mech. spec.	35L263
Base	
Status	PRD/A
Elec. spec.	35WGS322
Layout	35LYL263
Eff. date	05-14-2024
CD Diagram	CD0002A02
Poles	02
Leads	2#12 A PH,3#18 B&J
Proprietary	False
Created date	06-22-2007

KVA Code	F
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 12 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3535LC
Mounting Arrangement	F1
Number of Poles	2
Overall Length	14.11 IN
Power Factor	95
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
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	3450 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	KO
Winding Thermal 2	None

Nameplate

NP1257L								
CAT.NO.	PCL1327M							
SPEC.	35L263S322							
HP	5							
VOLTS	230							
AMP	23							
RPM	3450							
FRAME	56HCY		**HZ**	60		**PH**	1	
SER.F.	1.00	**CODE**	F	**DES**	-	**CL**	F	
NEMA-NOM-EFF	74.2	**PF**	95					
RATING	40C AMB-CONT							
CC								
DE	6205	**ODE**	6203					
ENCL	ODTF	**SN**						

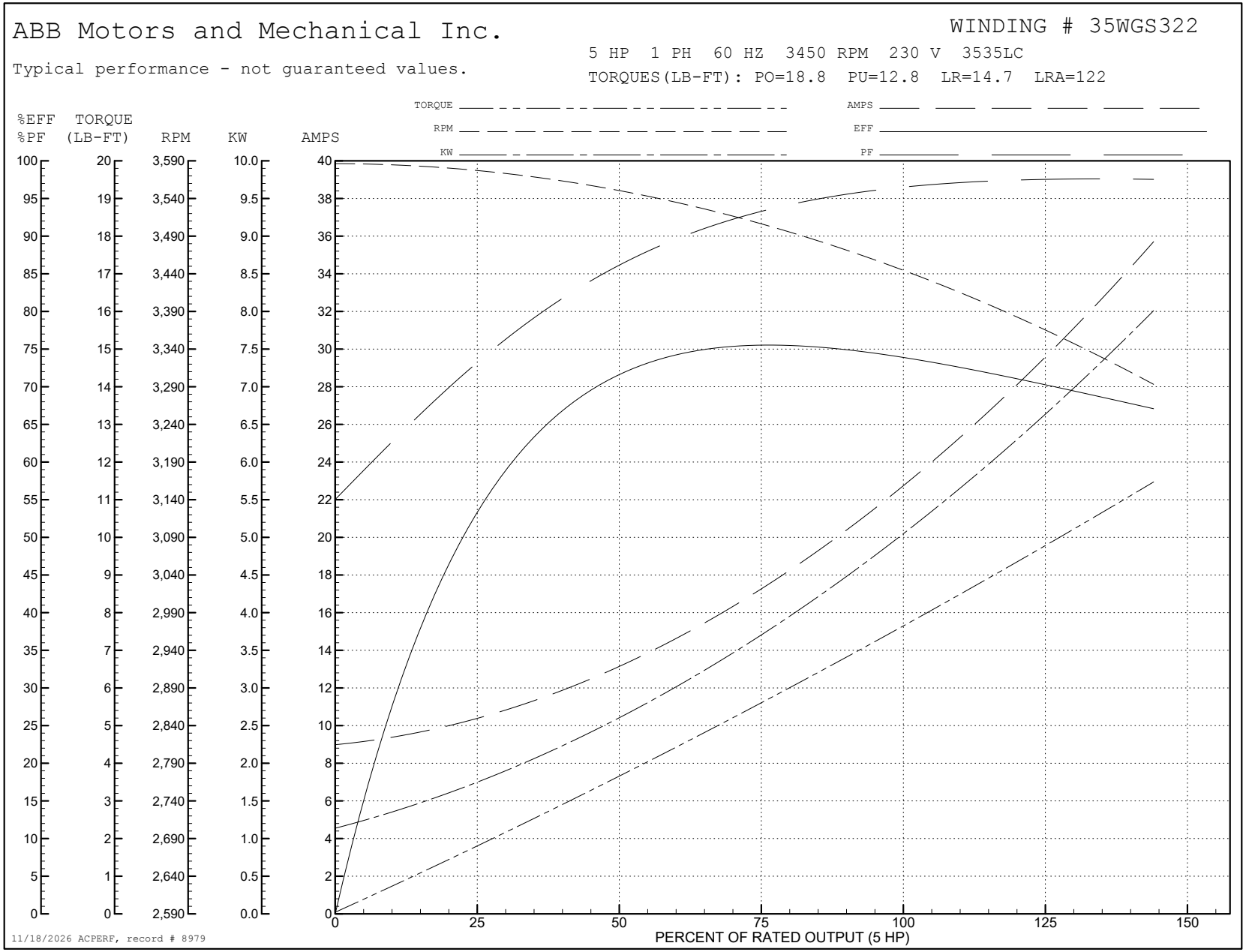
AC Induction Motor Performance Data
Record # 8979
Typical performance - not guaranteed values

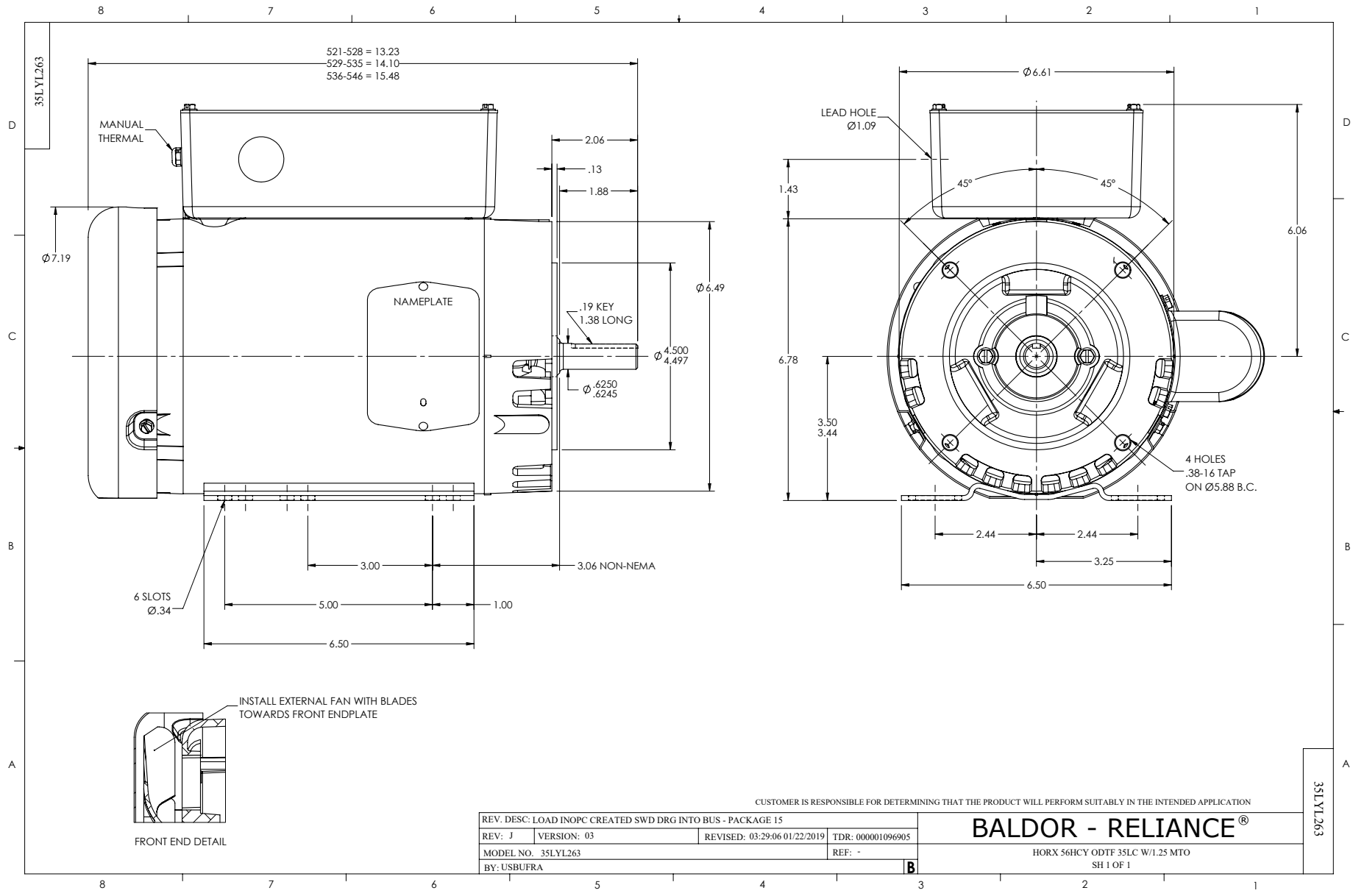
Winding: 35WGS322-R001	**Type:** 3535LC	**Enclosure:** ODTF

Nameplate Data				**230 V, 60 Hz: Single Voltage Motor**	
Rated Output (HP)			5	**Full Load Torque**	7.7 LB-FT
Volts			230	**Start Configuration**	direct on line
Full Load Amps			23	**Breakdown Torque**	18.8 LB-FT
R.P.M.			3450	**Pull-up Torque**	12.8 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	14.7 LB-FT
NEMA Design Code	-	**KVA Code**	F	**Starting Current**	122 A
Service Factor (S.F.)			1	**No-load Current**	8.9 A
NEMA Nom. Eff.	74.2	**Power Factor**	95	**Line-line Res. @ 25ºC**	0.535 Ω A Ph 1.1 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	89°C

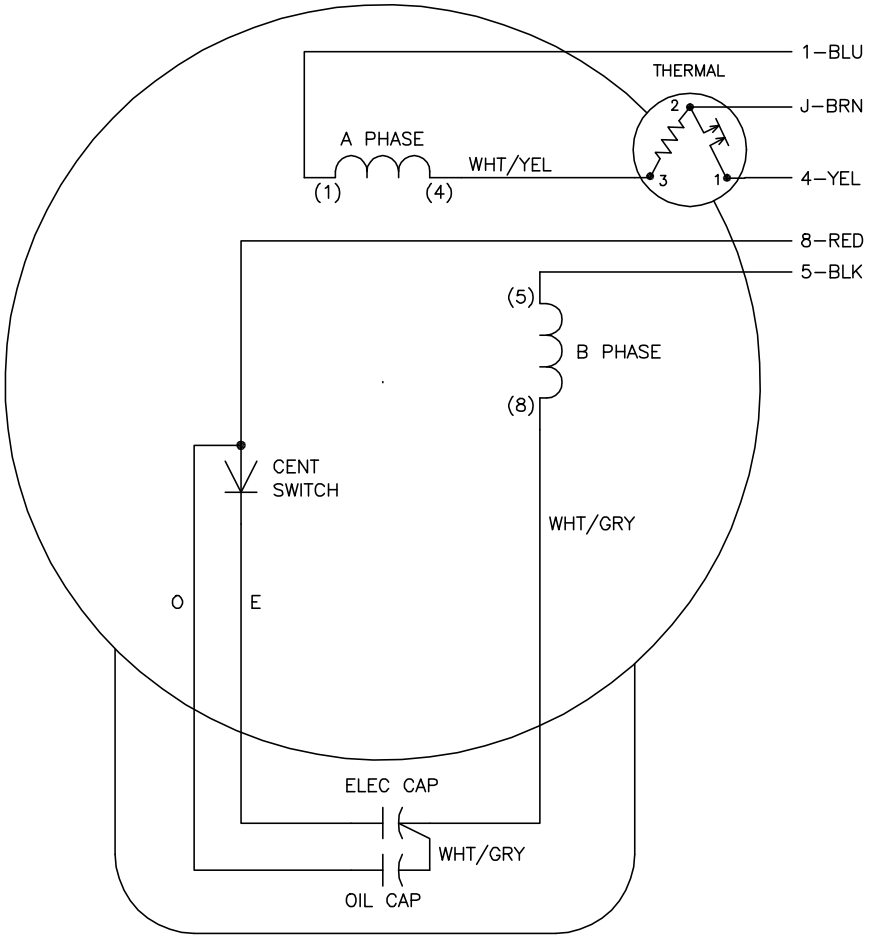
Load Characteristics 230 V, 60 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	78	89	94	95	96	95
Efficiency	56.5	69.5	74.5	74.2	72.5	66
Speed	3570	3535	3500	3450	3390	3275
Line amperes	10.4	13.7	17.8	23	28.6	36.2


ABB Motors and Mechanical Inc.
WINDING # 35WGS322
5 HP 1 PH 60 HZ 3450 RPM 230 V 3535LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=18.8 PU=12.8 LR=14.7 LRA=122
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF
%PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (5 HP)
11/18/2026 ACPERF, record # 8979


35LYL263
521-528 = 13.23
529-535 = 14.10
536-546 = 15.48
MANUAL THERMAL
2.06
.13
1.88
Ø7.19
NAMEPLATE
.19 KEY
1.38 LONG
Ø6.49
Ø 4.500
4.497
Ø .6250
.6245
3.00
3.06 NON-NEMA
6 SLOTS
Ø.34
5.00
1.00
6.50
Ø6.61
LEAD HOLE
Ø1.09
45°
45°
1.43
6.06
6.78
3.50
3.44
4 HOLES
.38-16 TAP
ON Ø5.88 B.C.
2.44
2.44
3.25
6.50
INSTALL EXTERNAL FAN WITH BLADES
TOWARDS FRONT ENDPLATE
FRONT END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD INOPC CREATED SWD DRG INTO BUS - PACKAGE 15
REV: J
VERSION: 03
REVISED: 03:29:06 01/22/2019
TDR: 000001096905
MODEL NO. 35LYL263
REF: -
BY: USBUFRA
B
BALDOR - RELIANCE®
HORX 56HCY ODTF 35LC W/1.25 MTO
SH 1 OF 1
35LYL263

CD0002A02



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

REV. DESC: REMOVE 2–TERMINAL THERMAL DETAIL, SEE CD0002A04			BALDOR ELECTRIC Co.
REV. LTR: D	VERSION: 01	TDR: 000000360649	
CD0002A02	FILE: \AAA\00007\520	REVISED: 17:11:40 04/15/2005	TYPE LC, SV, REV, THERMAL, 5 LEADS
	MTL: –	BY: ENJOEP0	

CD0002A02