

BALDOR® • RELIANCE

Product Information Packet

PCL1327M

5HP,3450RPM,1PH,60HZ,56HCY,3535LC,ODTF

Part Detail							
Revision:	AN	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGS322	CD Diagram:	CD0002A02	Mfg Plant:	
Mech. Spec:	35L263	Layout:	35LYL263	Poles:	02	Created Date:	06-22-2007
Base:	RG	Eff. Date:	08-31-2017	Leads:	2#12 A PH,3#18 B&J		

Specs			
Catalog Number:	PCL1327M	Inverter Code:	Not Inverter
Enclosure:	ODTF	KVA Code:	F
Frame:	56HCY	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	2 @ 12 AWG, A PH
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Cap Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3535LC
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	CSA	Power Factor:	95
	UR	Product Family:	General Purpose
Auxillary Box:	No Auxillary Box	Pulley End Bearing Type:	Ball
Auxillary Box Lead Termination:	None	Pulley Face Code:	C-Face
Base Indicator:	Rigid	Pulley Shaft Indicator:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Rodent Screen:	None
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	23.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	24.000 A @ 208.0 V	Shaft Rotation:	Reversible

Design Code:	-	Shaft Slinger Indicator:	No Slinger
Drip Cover:	Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None
Front Face Code:	Drip Cover Mounting	Thermal Device - Winding:	Do Not Use
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	Manual Thermal Overload
Insulation Class:	F	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										USABLE AT 208V	24		
DE	6205					ODE	6203						
ENCL	ODTF				SN								

AC Induction Motor Performance Data

Record # 8979 - Typical performance - not guaranteed values

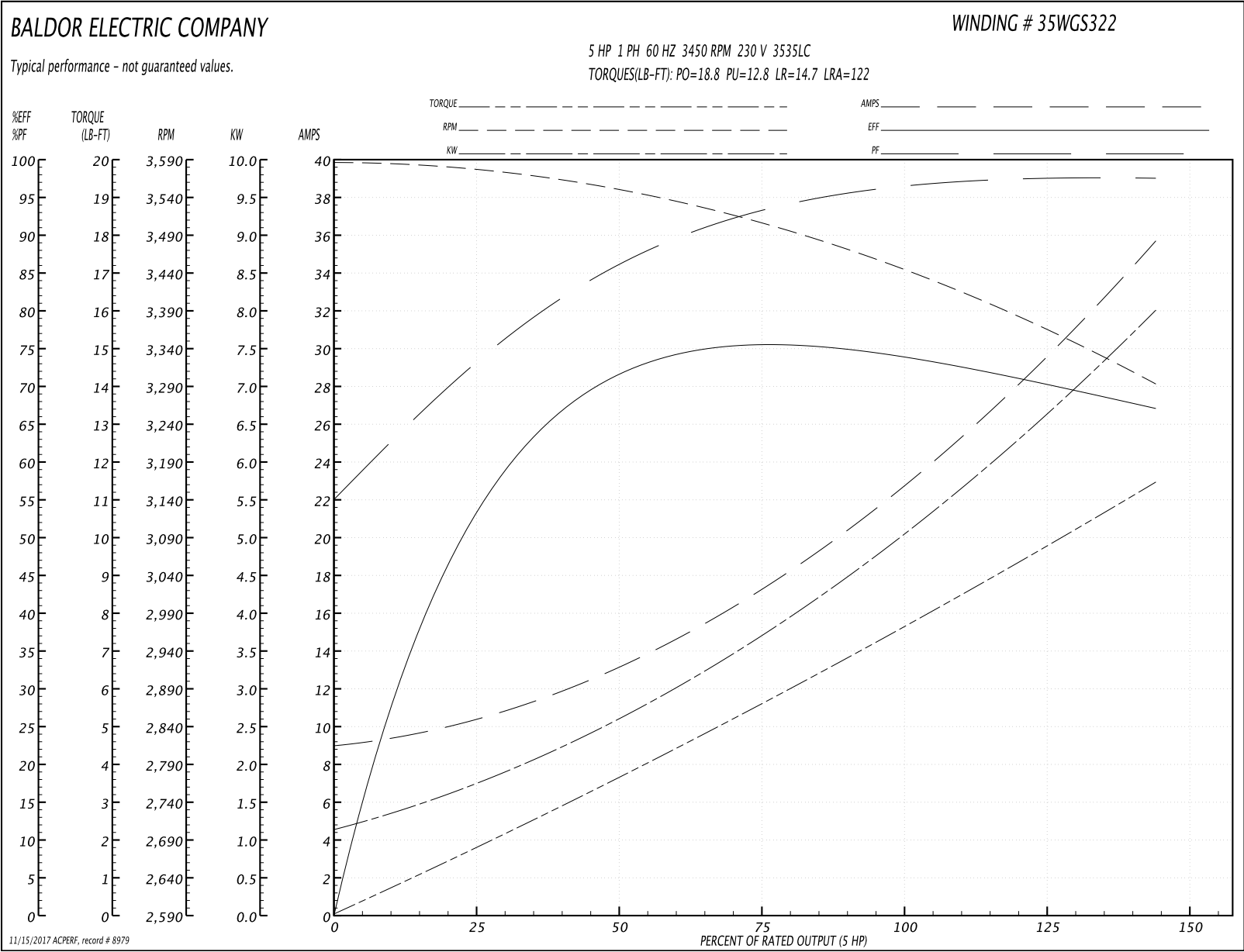
Winding: 35WGS322-R001	Type: 3535LC	Enclosure: ODTF
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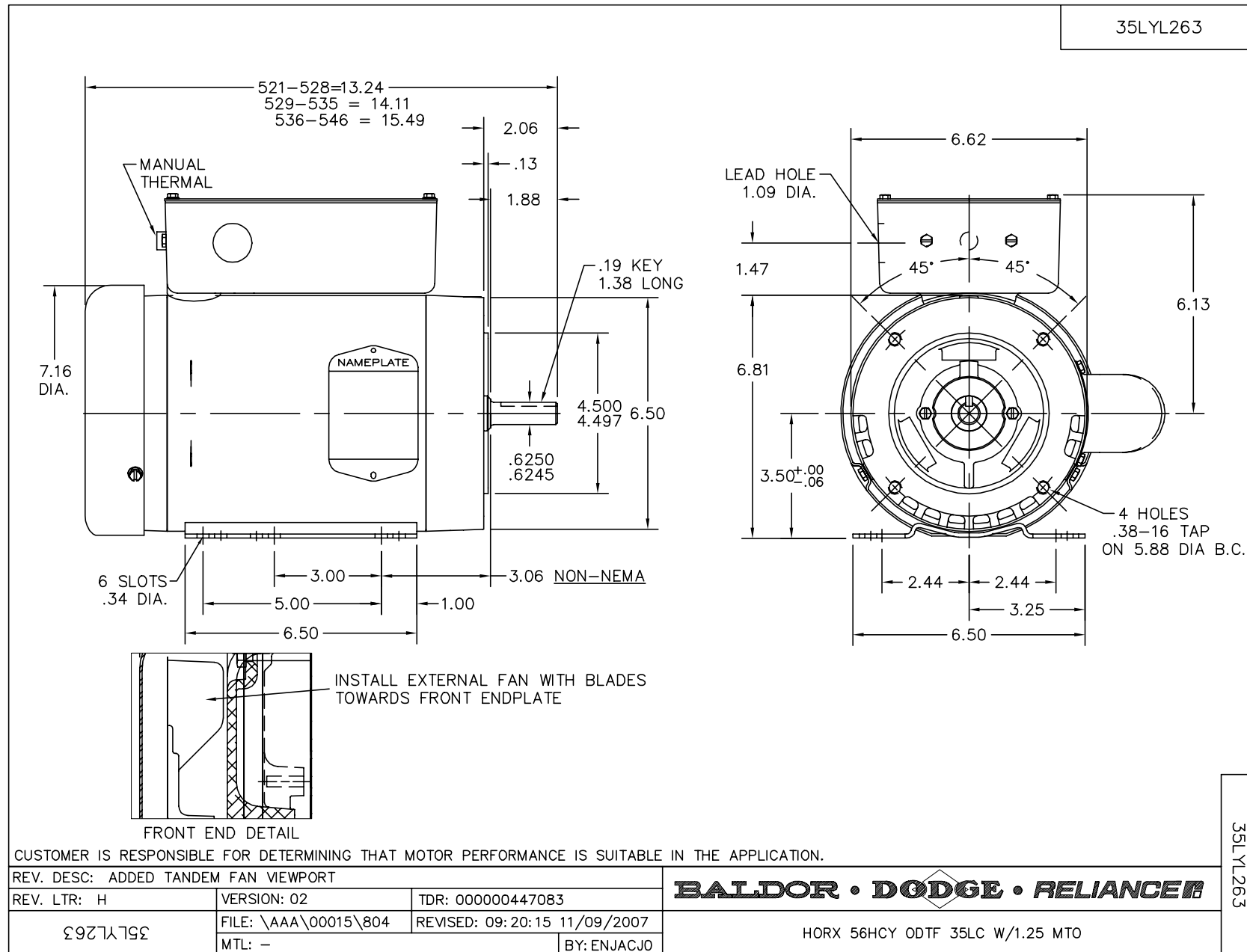
Nameplate Data				230 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.7 LB-FT
Volts	230			Start Configuration	direct on line
Full Load Amps	23			Breakdown Torque	18.8 LB-FT
R.P.M.	3450			Pull-up Torque	12.8 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	14.7 LB-FT
NEMA Design Code	-	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. @ 25°C	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

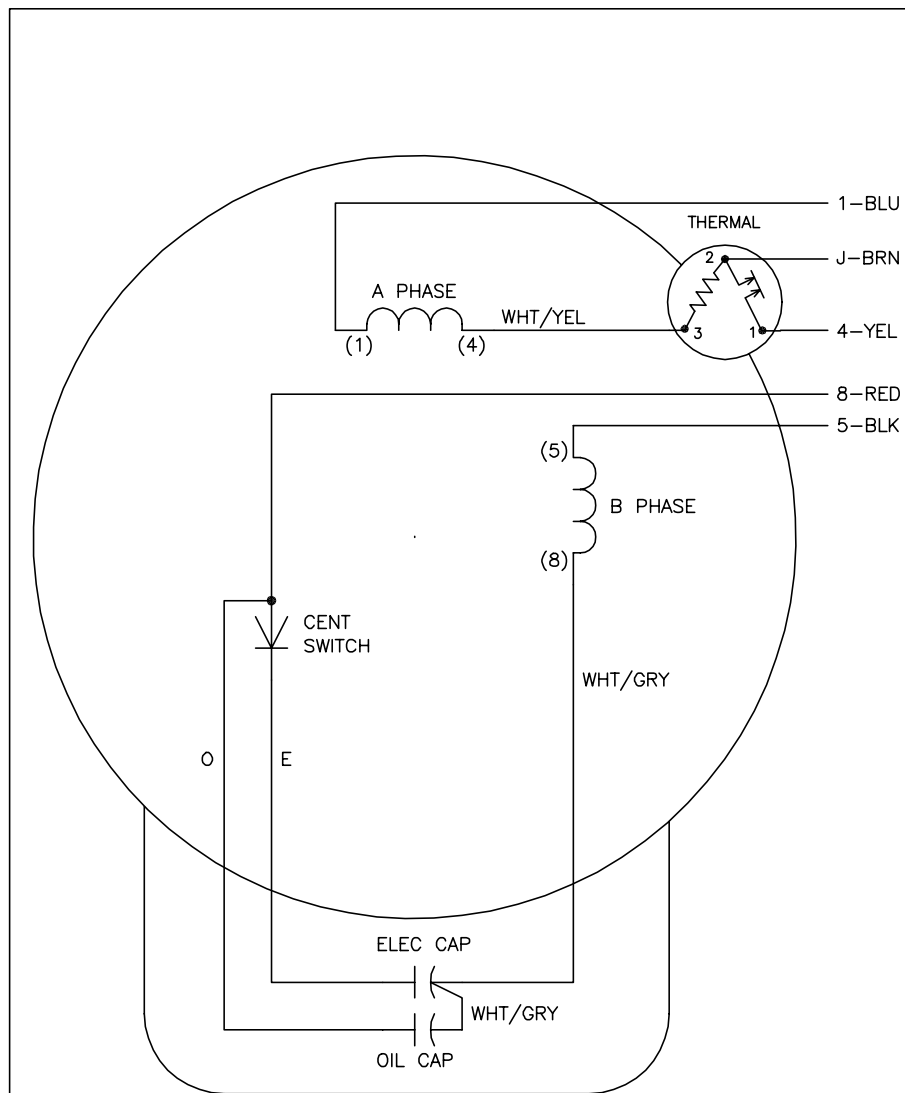
% of Rated Load	25	50	75	100	125	150
Power Factor	78	89	94	95	96	95
Efficiency	56.5	69.5	74.5	74.2	72.5	66
Speed	3570	3535	3500	3450	3390	3275
Line amperes	10.4	13.7	17.8	23	28.6	36.2

Performance Graph at 230V, 60Hz, 5.0HP Typical performance - Not guaranteed values





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

REV. LTR: D

VERSION: 01

TDR: 000000360649

Z0VZ00000

FILE: \AAA\00007\520

REVISED: 17:11:40 04/15/2005

MTL: -

BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02