ABB BALDOR RELIANCE

Customer information packet

EL1310

1HP, 1755RPM, 1PH, 60HZ, 56, 3528LC, OPSB, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	ODP
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	1.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ
	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	UR
	CSA
	CSA EEV
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	8.600 A @ 115.0 V
	4.600 A @ 208.0 V
	4.300 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part Detail

Revision	AJ
Type	AC
Mech. spec.	35L756
Base	
Status	NLA/A
Elec. spec.	35WGS680
Layout	35LYL756
Eff. date	01-21-2015
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	L
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	3528LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.94 IN
Power Factor	91
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
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	None
Winding Thermal 2	None

Nameplate

NP2116L										
CAT.NO.	EL1310									
SPEC.	35L756S680G1									
HP	1									
VOLTS	115/208-230									
AMP	8.6/4.6-4.3									
RPM	1755									
FRAME	56		**HZ**	60		**PH**	1			
SER.F.	1.15	**CODE**	L	**DES**	L	**CL**	F			
NEMA-NOM-EFF	84	**PF**	91							
RATING	40C AMB-CONT									
CC										
DE	6205	**ODE**	6203							
ENCL	OPSB	**SN**								
	SFA 9.5/4.9-4.75									

Accessories

Part number	Description	Multiplier
35-8764	C FACE KIT	A8
35EP1604A01SP	D-FLANGE KIT	

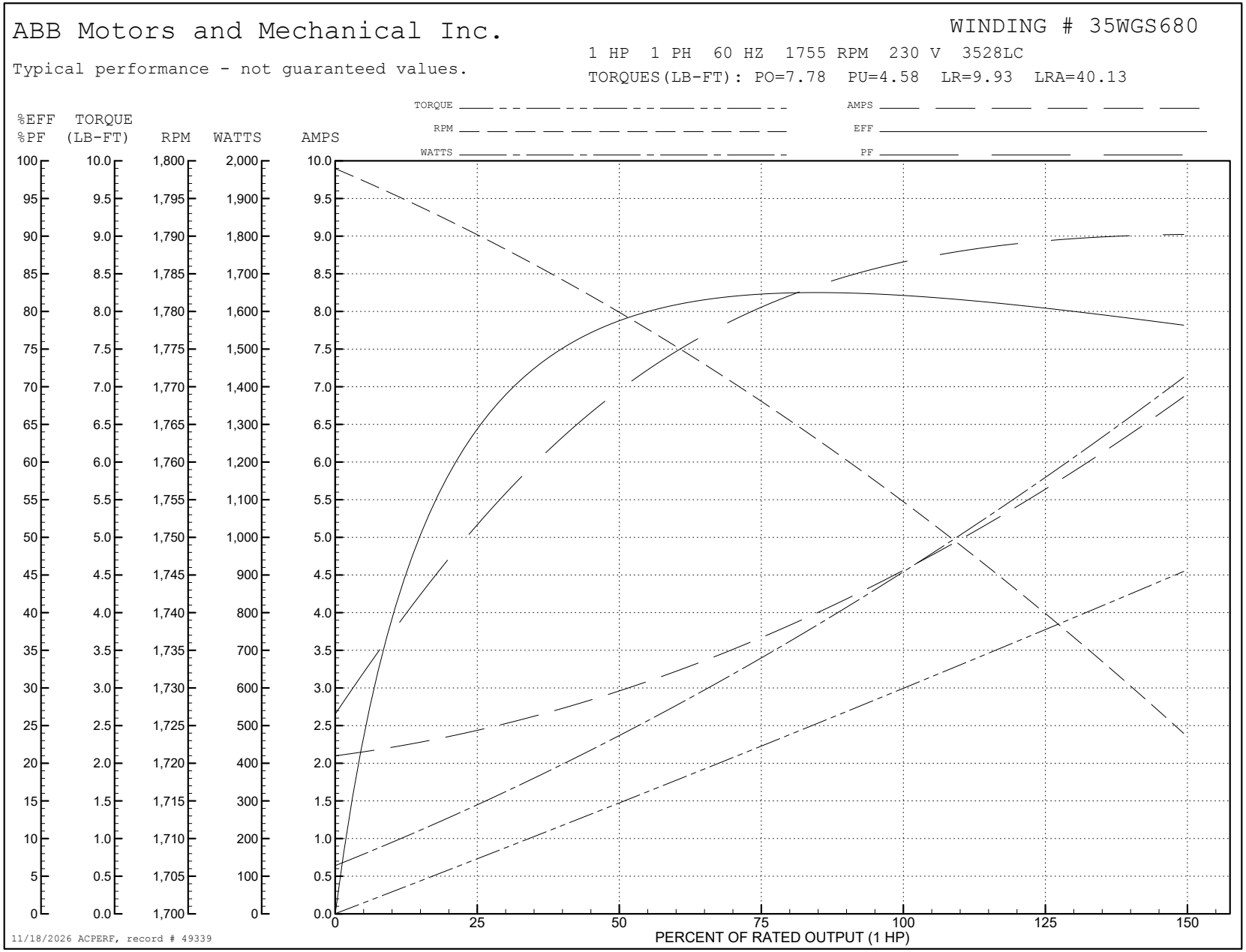
AC Induction Motor Performance Data
Record # 49339
Typical performance - not guaranteed values

Winding: 35WGS680-R006	**Type:** 3528LC	**Enclosure:** OPEN

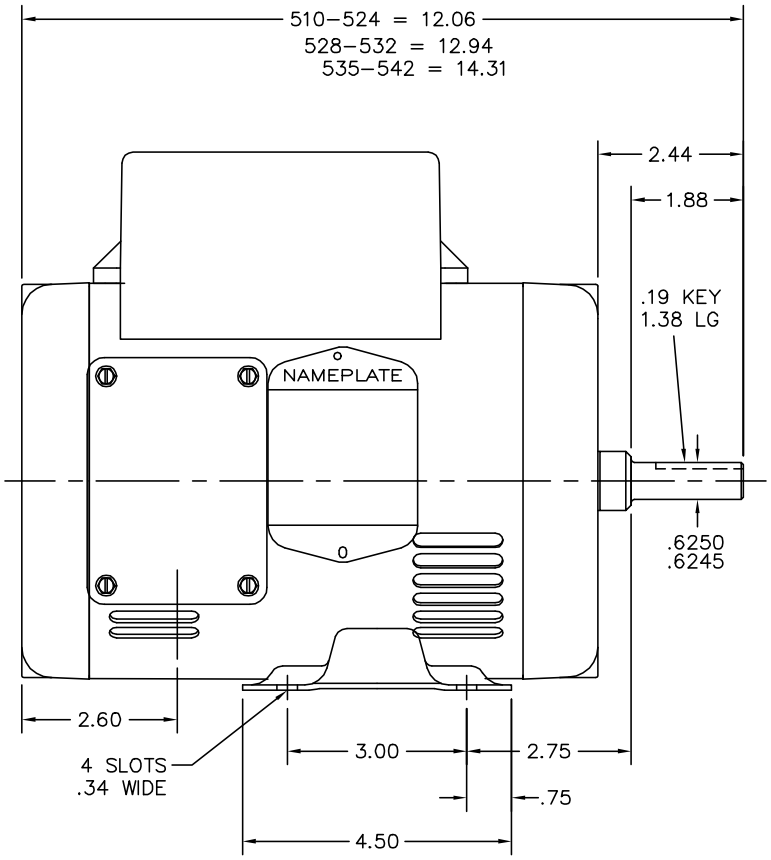
Nameplate Data				**230 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1	**Full Load Torque**	2.99 LB-FT
Volts			115/208-230	**Start Configuration**	direct on line
Full Load Amps			8.6/4.6-4.3	**Breakdown Torque**	7.78 LB-FT
R.P.M.			1755	**Pull-up Torque**	4.58 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	9.93 LB-FT
NEMA Design Code	L	**KVA Code**	L	**Starting Current**	40.13 A
Service Factor (S.F.)			1.15	**No-load Current**	2.16 A
NEMA Nom. Eff.	84	**Power Factor**	91	**Line-line Res. @ 25ºC**	2.32 Ω A Ph 2.15 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	32°C
S.F. Amps			9.5/4.9-4.75	**Temp. Rise @ S.F. Load**	38°C
				Rotor inertia	0.166 LB-FT2

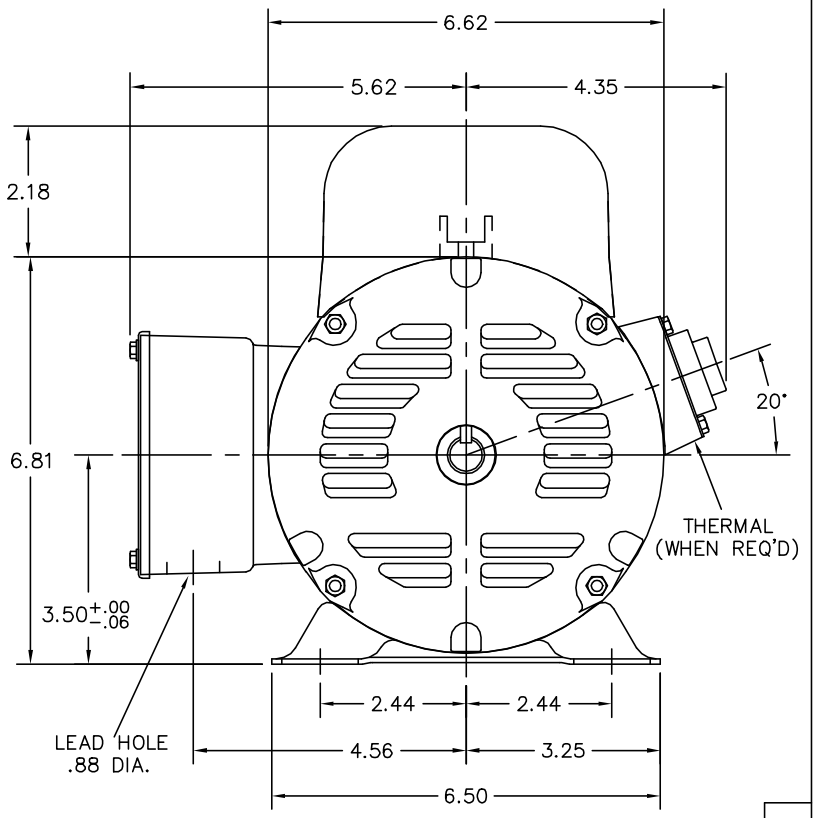
Load Characteristics 230 V, 60 Hz, 1 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	54	70	80	86	89	91	88
Efficiency	63.9	80	82.6	81.8	80.1	78.4	80.8
Speed	1790	1780	1768	1755	1740	1724	1746
Line amperes	2.38	2.9	3.66	4.63	5.67	6.81	5.25


ABB Motors and Mechanical Inc.
WINDING # 35WGS680
Typical performance - not guaranteed values.
1 HP 1 PH 60 HZ 1755 RPM 230 V 3528LC
TORQUES(LB-FT): PO=7.78 PU=4.58 LR=9.93 LRA=40.13
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1 HP)
11/18/2026 ACPERF, record # 49339

35LYL756



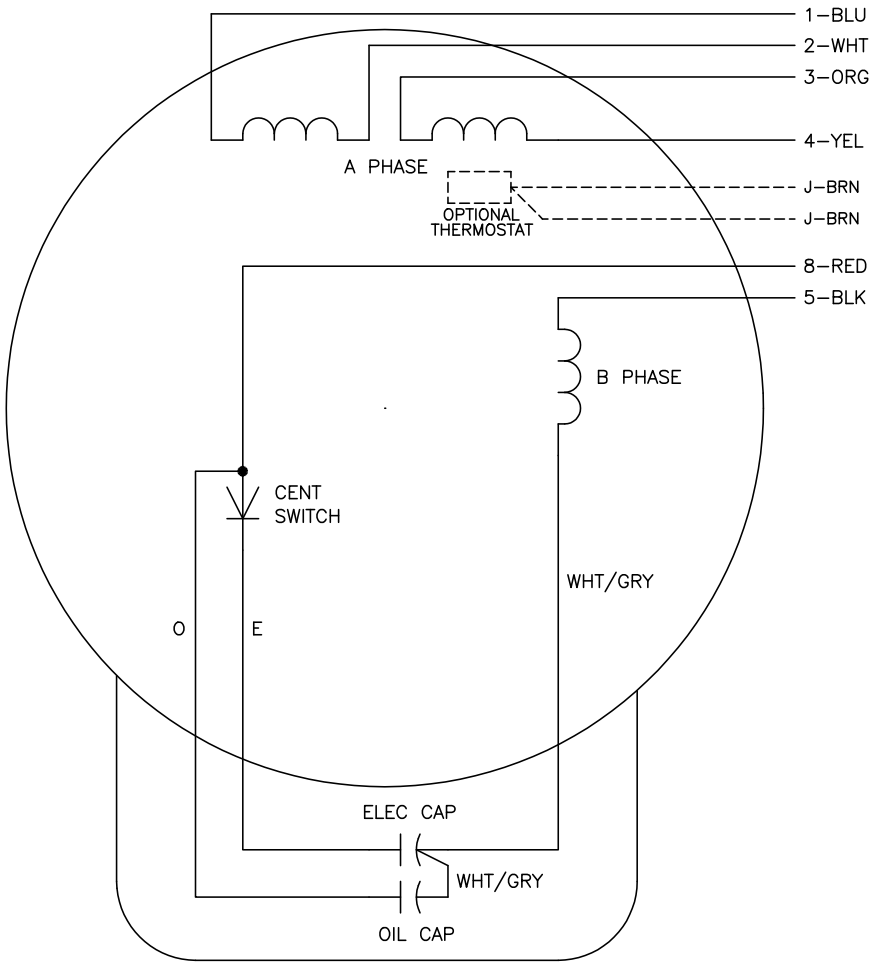


35LYL756

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD 34RS TO DESC.			BALDOR
REV. LTR: F	VERSION: 02	TDR: 000000706123	
FILE: \AAA\00010\453		REVISED: 10:31:19 08/02/2011	STD HORZ 56 OPSB 35LC W/ 34RS
MTL: –		BY: ENTANWO	SH 1 of 1

CD0055



	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.

CD0055

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:17	TDR: 0178636
CD0055		FILE: AAA00007414	MDL: –
		MTL: –	TYPE LC, DV, REV, 6 LEADS