ABB BALDOR RELIANCE

Customer information packet

EL1319

1.5HP, 1755RPM, 1PH, 60HZ, 56H, 3535LC, OPEN
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPEN
Frame	56H
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	1.500 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
	115.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	NEMA_PREMIUM
	UR
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	6.250 A @ 230.0 V
	6.700 A @ 208.0 V
	12.500 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK

Part Detail

Revision	AL
Type	AC
Mech. spec.	35L758
Base	
Status	NLA/A
Elec. spec.	35WGS681
Layout	35LYL758
Eff. date	01-21-2015
CD Diagram	CD0055
Poles	04
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	6.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
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	3535LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	14.00 IN
Power Factor	94
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.	EL1319										
SPEC.	35L758S681G1										
HP	1.5										
VOLTS	115/208-230										
AMP	12.5/6.7-6.25										
RPM	1755										
FRAME	56H		**HZ**	60		**PH**	1				
SER.F.	1.15	**CODE**	K	**DES**	L	**CL**	F				
NEMA-NOM-EFF	85.5	**PF**	94								
RATING	40C AMB-CONT										
CC											
DE	6205	**ODE**	6203								
ENCL	OPEN	**SN**									
	SFA 14.3/7.8-7.15										

Accessories

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

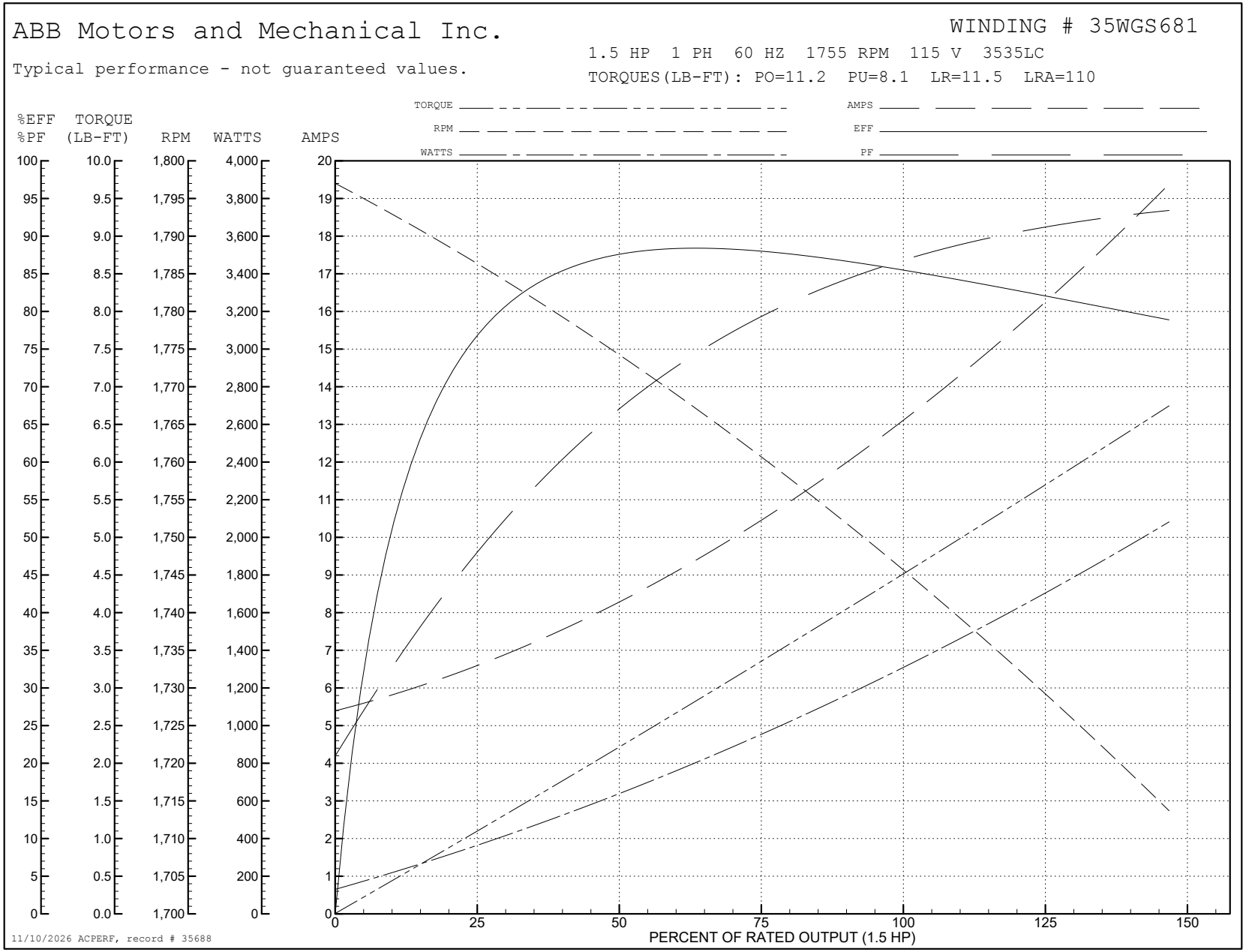
AC Induction Motor Performance Data
Record # 35688
Typical performance - not guaranteed values

Winding: 35WGS681-R006	**Type:** 3535LC	**Enclosure:** OPEN

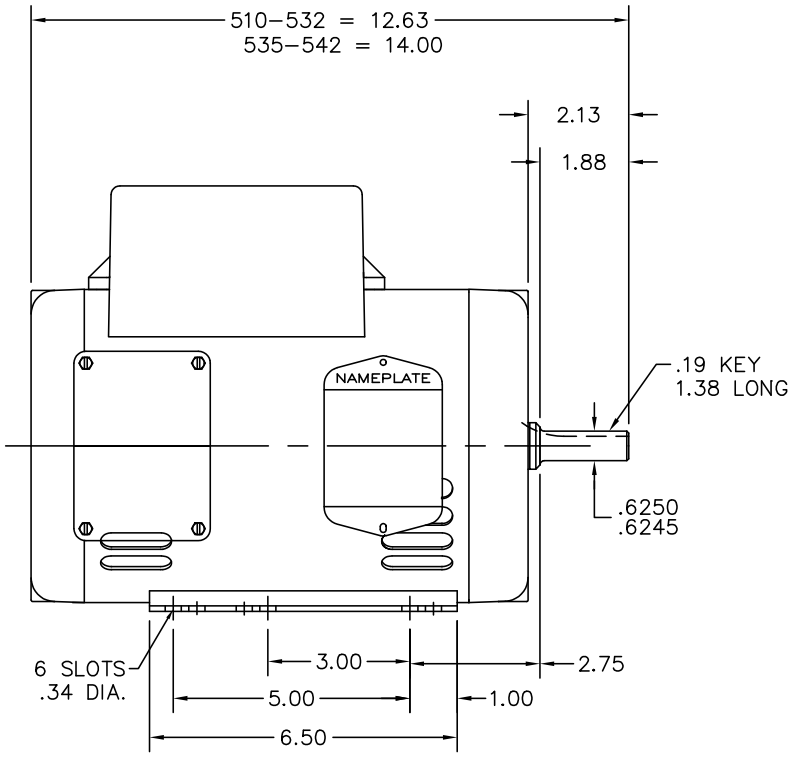
Nameplate Data				**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			1.5	**Full Load Torque**	4.5 LB-FT
Volts			115/208-230	**Start Configuration**	direct on line
Full Load Amps			12.5/6.7-6.25	**Breakdown Torque**	11.2 LB-FT
R.P.M.			1755	**Pull-up Torque**	8.1 LB-FT
Hz	60	**Phase**	1	**Locked-rotor Torque**	11.5 LB-FT
NEMA Design Code	L	**KVA Code**	K	**Starting Current**	110 A
Service Factor (S.F.)			1.15	**No-load Current**	5.5 A
NEMA Nom. Eff.	85.5	**Power Factor**	94	**Line-line Res. @ 25ºC**	0.399 Ω A Ph 1.77 Ω B Ph
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	32°C
S.F. Amps			14.3/7.8-7.15	**Temp. Rise @ S.F. Load**	39°C

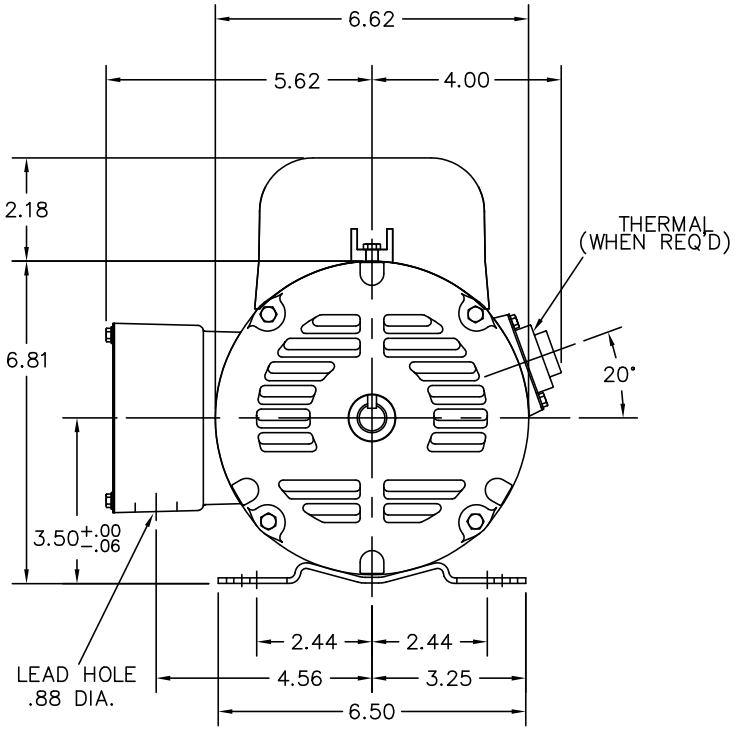
Load Characteristics 115 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	50	67	79	89	89	94	89
Efficiency	79.8	84.9	86.6	86.2	84.1	78	84.9
Speed	1784	1771	1762	1749	1729	1713	1737
Line amperes	6.2	8.7	10.8	12.7	16	19.5	14.7


ABB Motors and Mechanical Inc.
WINDING # 35WGS681
1.5 HP 1 PH 60 HZ 1755 RPM 115 V 3535LC
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=11.2 PU=8.1 LR=11.5 LRA=110
TORQUE
RPM
WATTS
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
WATTS
AMPS
PERCENT OF RATED OUTPUT (1.5 HP)
11/10/2026 ACPERF, record # 35688

35LYL758

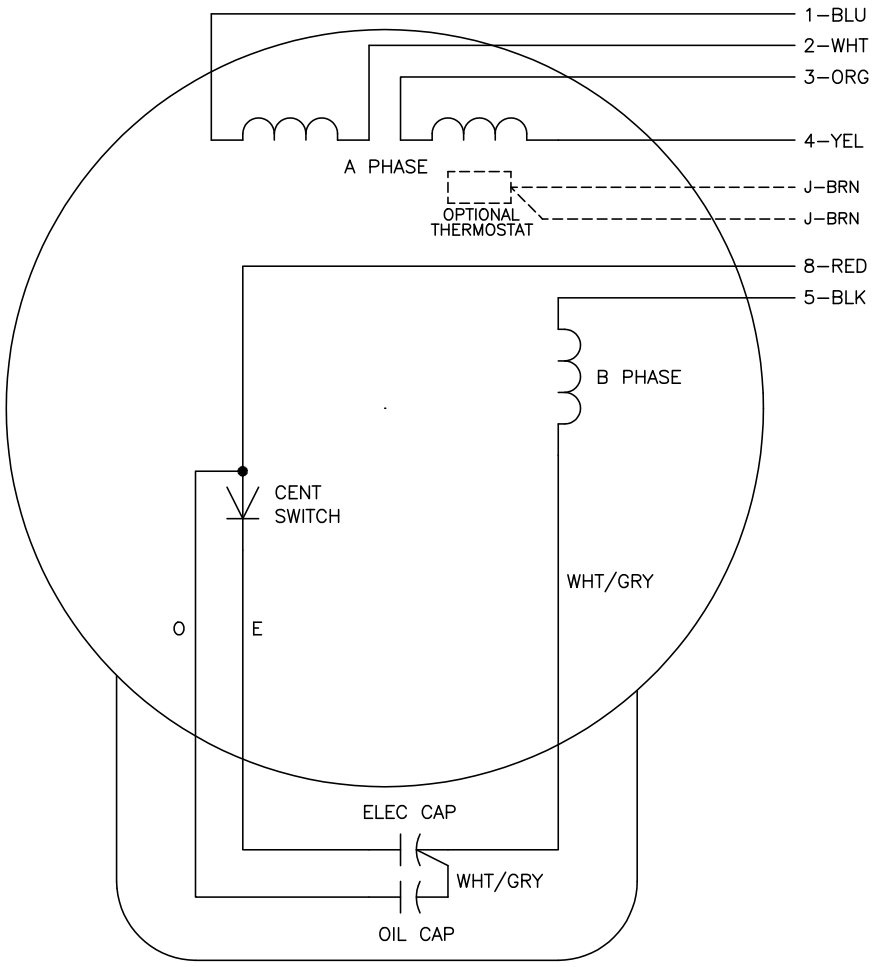




CUST. NAME		CUST. P.O.		CERTIFIED BY		MODEL		INSUL	AMB
H.P.	MTG	TYPE	R.P.M.	VOLTS		ENCL	PHASE	FREQ	FRAME
REV. DESC: CHG'D CONDUIT BOX AND LID (SEE EC09)					BALDOR ELECTRIC Co.				
REV. LTR: C	BY: JED	REVISED: 04/23/99 8:00		TDR: 0171814					
35LYL758		FILE: AAA00014232		MDL: –	STD 56H OPEN HORZ 35LC SLOTTED BAND				
		MTL: –							

35LYL758

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