ABB BALDOR RELIANCE

Customer information packet

M3208

2HP, 3450RPM, 3PH, 60HZ, 184, 3522M, OPEN, F1, N
Class -
Division - Not Applicable

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Specifications

Enclosure	ODP
Frame	184
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	5.500 A @ 208.0 V
	5.000 A @ 230.0 V
	2.500 A @ 460.0 V
Design Code	B
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
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	D
Type	AC
Mech. spec.	35L107
Base	
Status	INA/A
Elec. spec.	35WGM764
Layout	35LYL107
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	False
Created date	04-30-2010

High Voltage Full Load Amps	2.5 a
Insulation Class	B
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	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3522M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	12.62 IN
Power Factor	87
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	0.875 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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L								
CAT.NO.								
SPEC.	35L107M764							
HP	2							
VOLTS	208-230/460							
AMP	5.5-5/2.5							
RPM	3450							
FRAME	184	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	B	**CLASS**		B
NEMA-NOM-EFF	84	**PF**	87					
RATING	40C AMB-CONT							
CC								
DE	6206	**ODE**	6203					
ENCL	OPEN	**SN**						

Accessories

Part number	Description	Multiplier
35-1409	C FACE KIT	A8

AC Induction Motor Performance Data
Record # 31108
Typical performance - not guaranteed values

Winding: 35WGM764-R001	**Type:** 3522M	**Enclosure:** OPEN

Nameplate Data			**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)		2	**Full Load Torque**	3 LB-FT
Volts		208-230/460	**Start Configuration**	direct on line
Full Load Amps		5.5-5/2.5	**Breakdown Torque**	11 LB-FT
R.P.M.		3450	**Pull-up Torque**	7.87 LB-FT
Hz	60 **Phase**	3	**Locked-rotor Torque**	10.1 LB-FT
NEMA Design Code	B **KVA Code**	K	**Starting Current**	23.1 A
Service Factor (S.F.)		1.15	**No-load Current**	1.09 A
NEMA Nom. Eff.	84 **Power Factor**	87	**Line-line Res. @ 25ºC**	9.08 Ω
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	33°C
S.F. Amps			**Temp. Rise @ S.F. Load**	39°C
			Locked-rotor Power Factor	56
			Rotor inertia	0.0608 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	46	72	81	83	88	87	86
Efficiency	81.2	86.1	86.4	85.8	84.2	82.1	84.8
Speed	3570	3542	3512	3479	3443	3403	3457
Line amperes	1.27	1.53	2.01	2.6	3.1	3.8	2.9

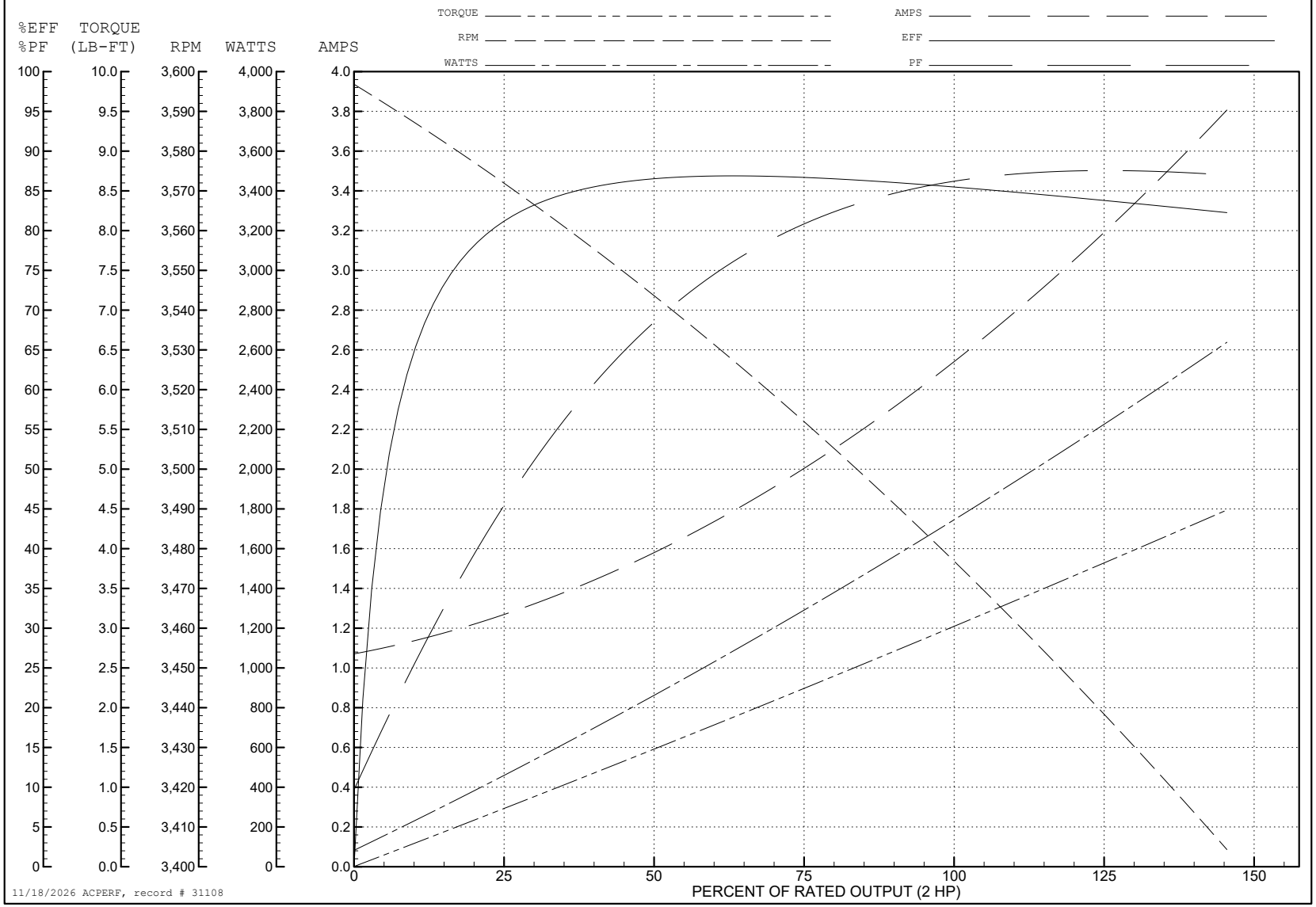
ABB Motors and Mechanical Inc.

WINDING # 35WGM764

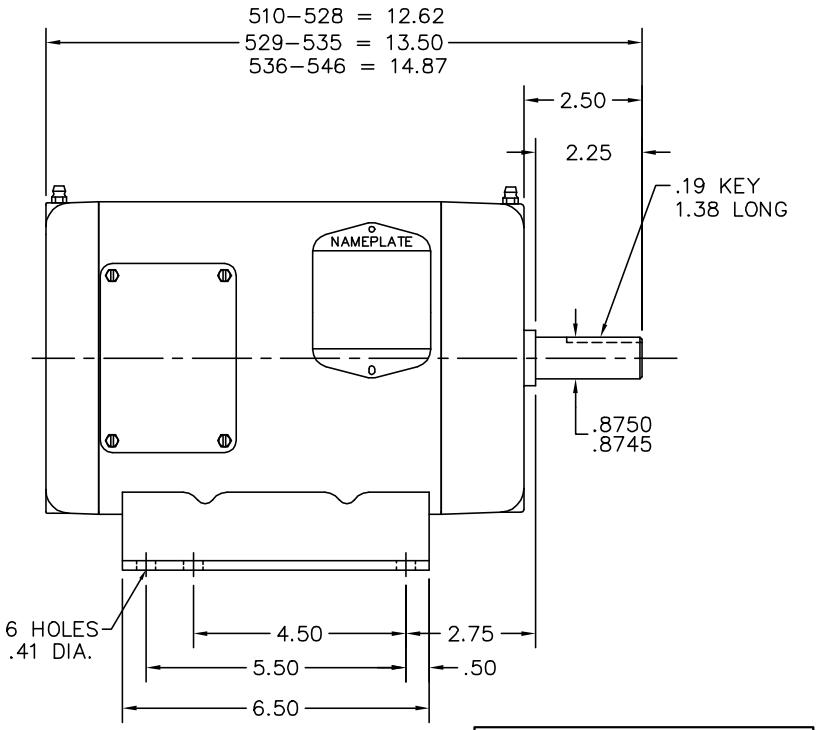
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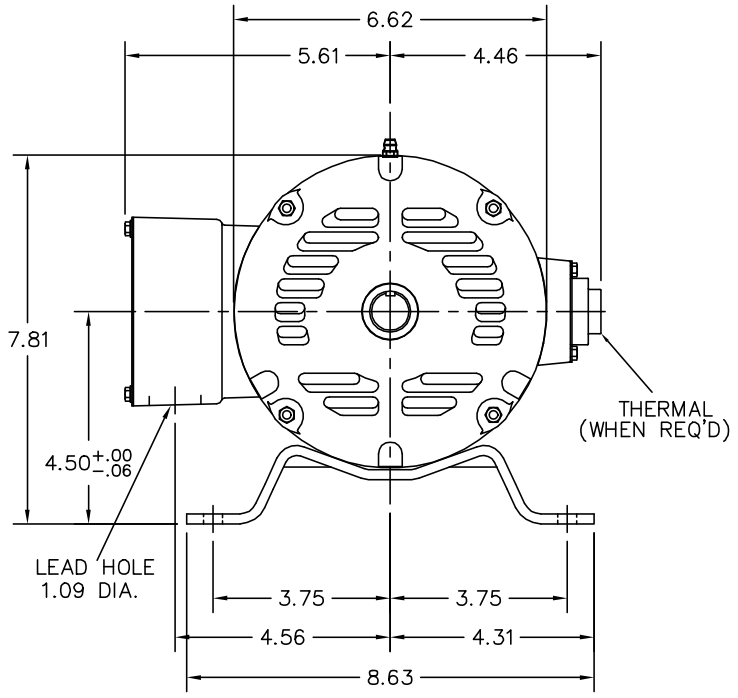
Typical performance - not guaranteed values.

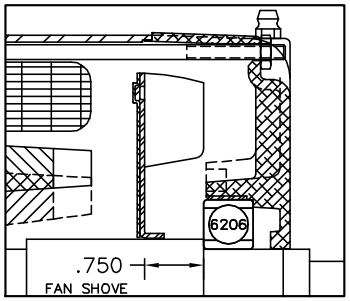
TORQUES(LB-FT): PO=11 PU=7.87 LR=10.1 LRA=23.1



35LYL107





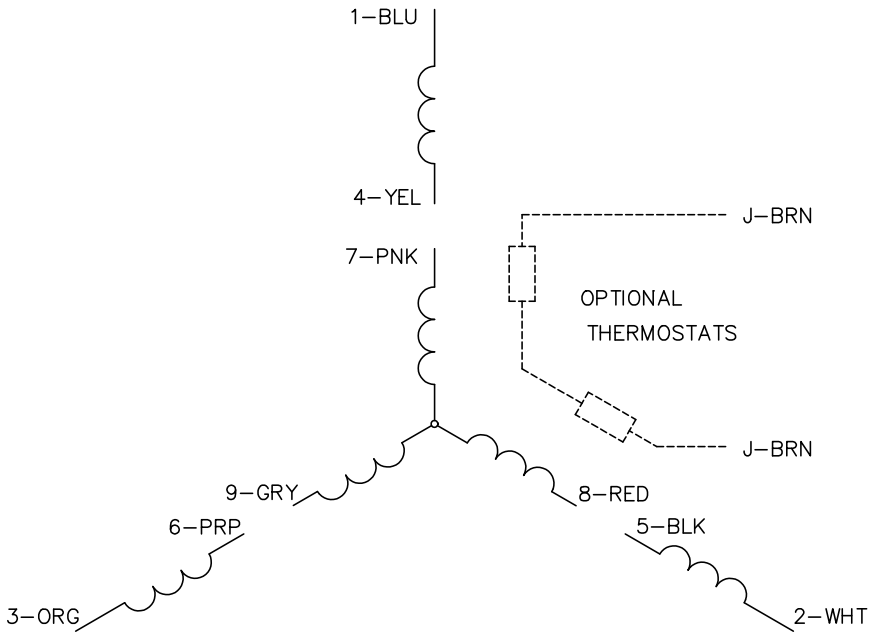


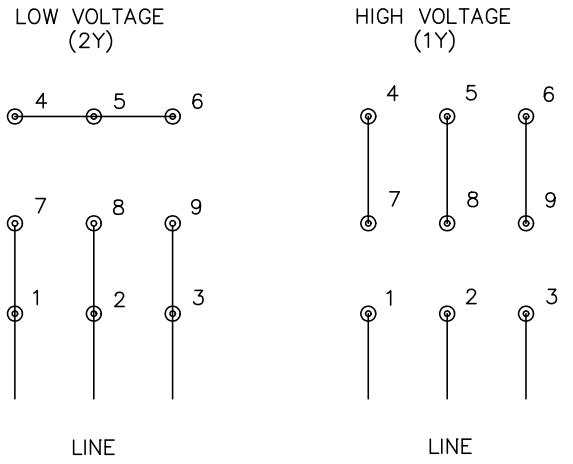
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: REVISE TO REMOVE UNDERCUT DETAIL FROM VIEW			BALDOR
REV. LTR: H	VERSION: 02	TDR: 000000714119	
FILE: \AAA\00013\548		REVISED: 01:52:51 09/27/2011	182–4 OPEN HORZ 35M
MTL: –		BY: ENTRUVO	SH 1 of 1

35LYL107

CD0005





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS