ABB BALDOR RELIANCE

Customer information packet

JMM3311T

7.5HP, 1750RPM, 3PH, 60HZ, 213JM, 3644M, OPSB
Class - None
Division - Not Applicable

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Specifications

Enclosure	OPSB
Frame	213JM
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	CSA
	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	9.900 A @ 460.0 V
	21.000 A @ 208.0 V
	19.800 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	F
Type	AC
Mech. spec.	36M900
Base	
Status	NLA/A
Elec. spec.	36WGS915
Layout	36LYM900
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	04-17-2012

Heater Indicator	No Heater
High Voltage Full Load Amps	9.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3644M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	18.84 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.250 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1750 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.	JMM3311T								
SPEC.	36M900S915H1								
HP	7.5								
VOLTS	208-230/460								
AMP	21-19.8/9.9								
RPM	1750								
FRAME	213JM	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	J	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	88.5	**PF**	80						
RATING	40C AMB-CONT								
CC	010A								
DE	6307	**ODE**	6205						
ENCL	OPSB	**SN**							

AC Induction Motor Performance Data
Record # 47551
Typical performance - not guaranteed values

Winding: 36WGS915-R001	**Type:** 3644M	**Enclosure:** OPSB

Nameplate Data				**230 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	22.6 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			21-19.8/9.9	**Breakdown Torque**	75.2 LB-FT
R.P.M.			1750	**Pull-up Torque**	42.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	51.3 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	141 A
Service Factor (S.F.)			1.15	**No-load Current**	9.44 A
NEMA Nom. Eff.	88.5	**Power Factor**	80	**Line-line Res. @ 25ºC**	0.437 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	65°C
S.F. Amps				**Temp. Rise @ S.F. Load**	79°C
				Locked-rotor Power Factor	40.4
				Rotor inertia	0.41 LB-FT2

Load Characteristics 230 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	39	62	74	81	83	84	84
Efficiency	83.7	89.2	89.2	88.8	87	85.3	89
Speed	1788	1776	1762	1748	1731	1713	1750
Line amperes	10.4	12.7	16.1	19.7	24.2	29.2	21.7

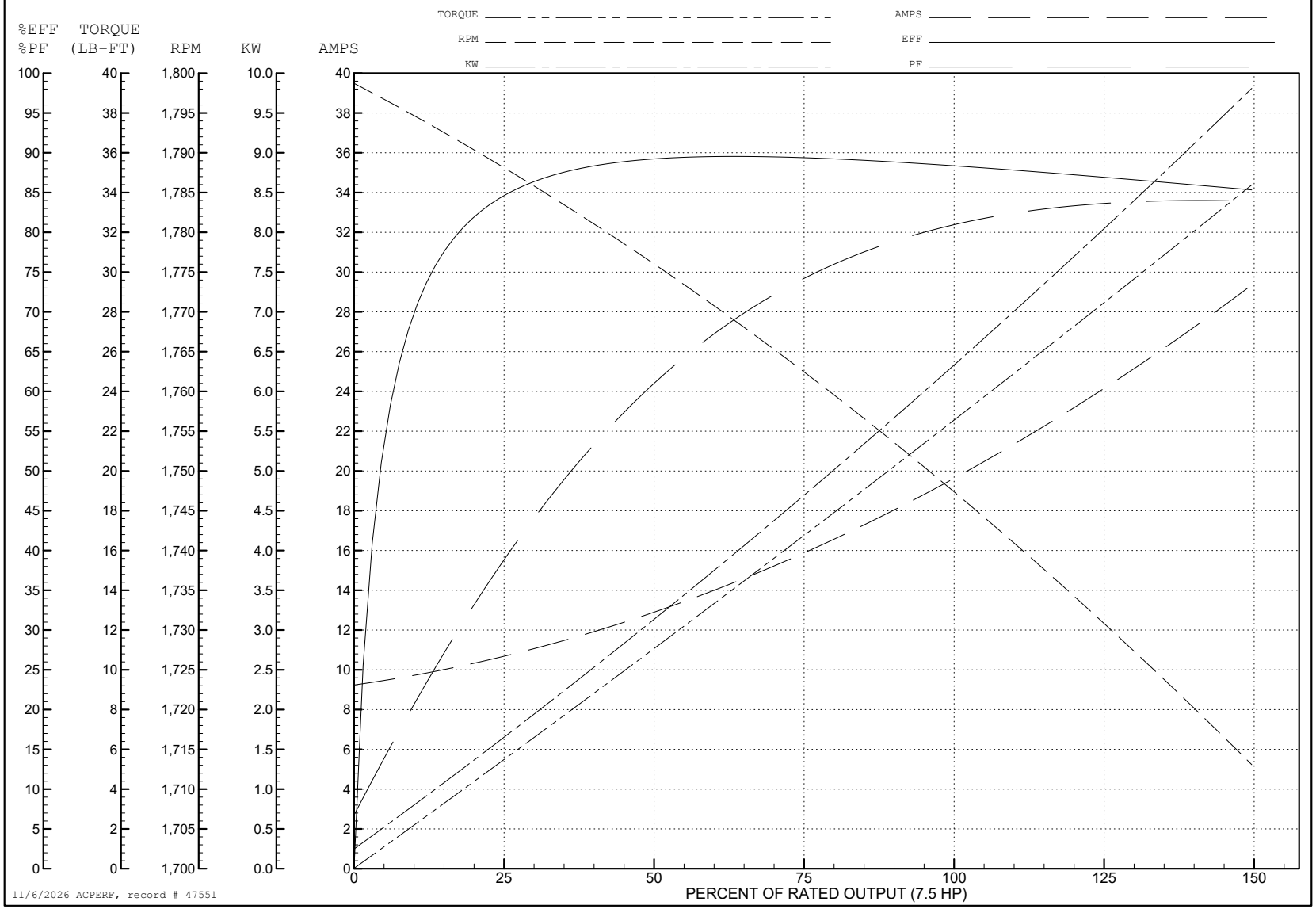
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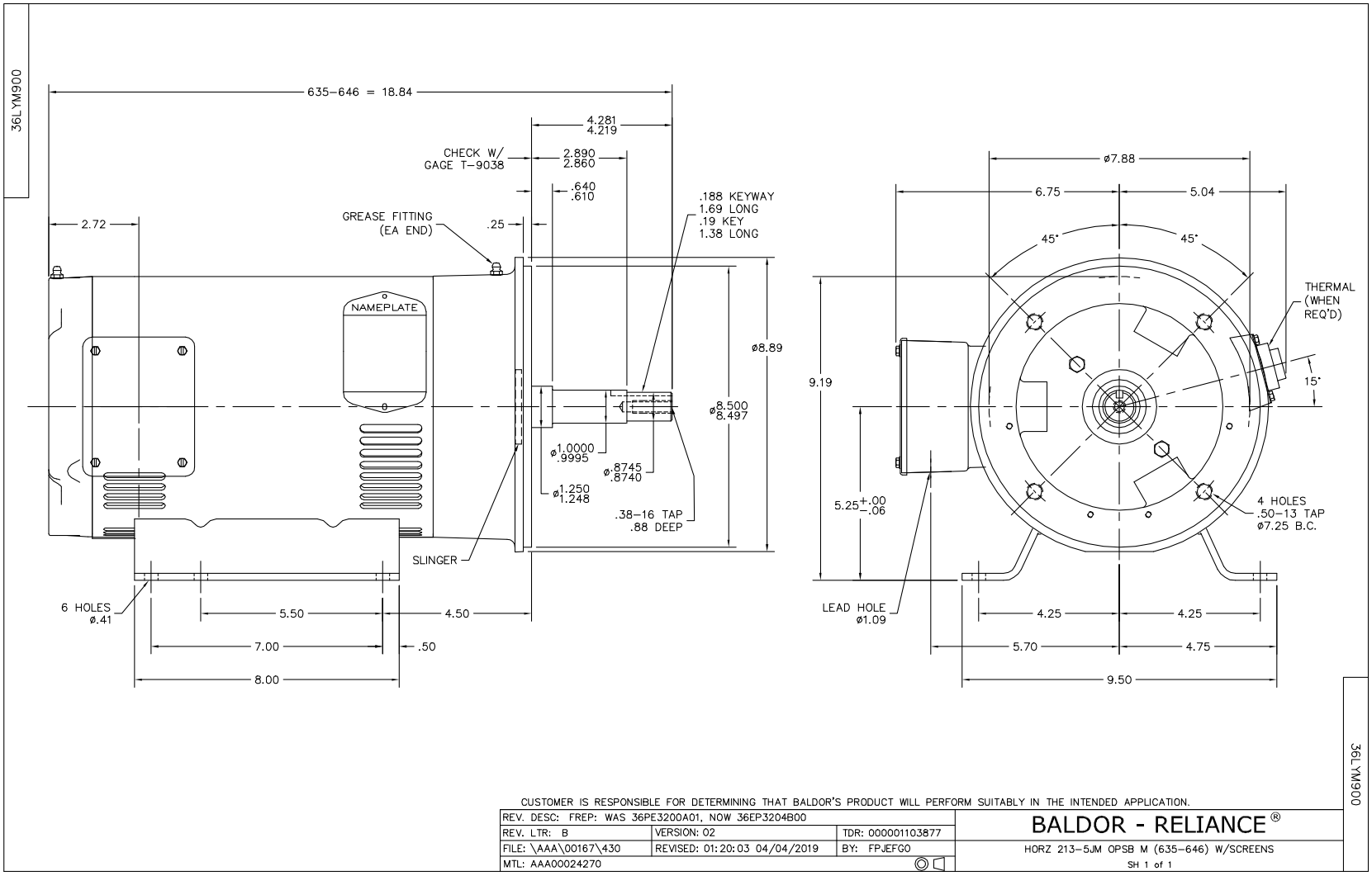
WINDING # 36WGS915

7.5 HP 3 PH 60 HZ 1750 RPM 230 V 3644M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=75.2 PU=42.4 LR=51.3 LRA=141





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

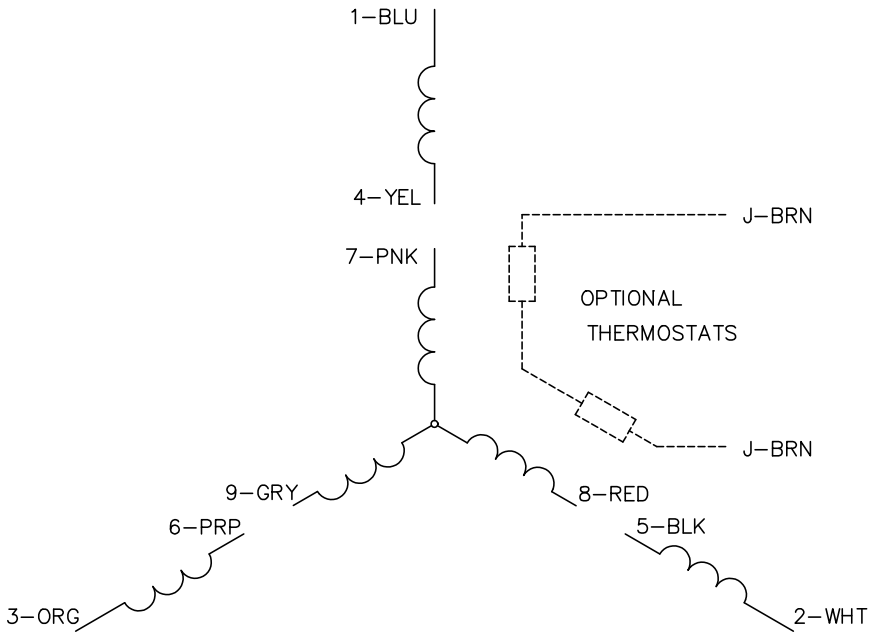
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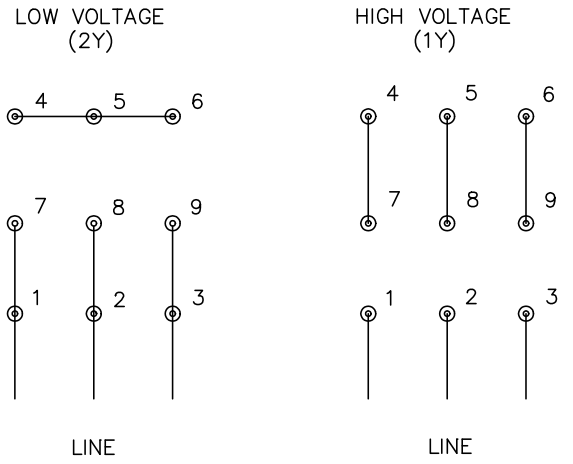
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HORZ 213–5JM OPSB M (635–646) W/SCREENS

SH 1 of 1

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.
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CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS