ABB BALDOR RELIANCE

Customer information packet

JMM4106T

20HP, 3480RPM, 3PH, 60HZ, 256JM, 0754M, TEFC, F
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	256JM
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	20.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	51.000 A @ 208.0 V
	46.000 A @ 230.0 V
	23.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	90.2 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	G
Type	AC
Mech. spec.	07H389
Base	
Status	NLA/A
Elec. spec.	07WGY016
Layout	07LYH389
Eff. date	03-08-2016
CD Diagram	CD0005
Poles	02
Leads	9#10
Proprietary	False
Created date	09-22-2010

Heater Indicator	No Heater
High Voltage Full Load Amps	23.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 10 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0754M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	24.83 IN
Power Factor	90
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3480 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.	JMM4106T								
SPEC.	07H389Y016H1								
HP	20								
VOLTS	208-230/460								
AMP	51-46/23								
RPM	3480								
FRAME	256JM	**HZ**	60			**PH**	3		
SER.F.	1.15	**CODE**	H	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	90.2	**PF**	90						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	**ODE**	6307						
ENCL	TEFC	**SN**							

AC Induction Motor Performance Data
Record # 31822
Typical performance - not guaranteed values

Winding: 07WGY016-R001	**Type:** 0754M	**Enclosure:** TEFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			20	**Full Load Torque**	30 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			51-46/23	**Breakdown Torque**	113 LB-FT
R.P.M.			3480	**Pull-up Torque**	55.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	65.9 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	169 A
Service Factor (S.F.)			1.15	**No-load Current**	6.11 A
NEMA Nom. Eff.	90.2	**Power Factor**	90	**Line-line Res. @ 25ºC**	0.413 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	80°C
S.F. Amps				**Temp. Rise @ S.F. Load**	105°C
				Locked-rotor Power Factor	29
				Rotor inertia	0.492 LB-FT2

Load Characteristics 460 V, 60 Hz, 20 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	66	84	88	90	90	91	90
Efficiency	88.6	91.5	91.4	90.3	88.7	86.8	89.3
Speed	3571.9	3543.4	3512.4	3478.4	3440	3396.7	3455
Line amperes	8.29	12.6	17.7	23.2	29.6	35.9	27

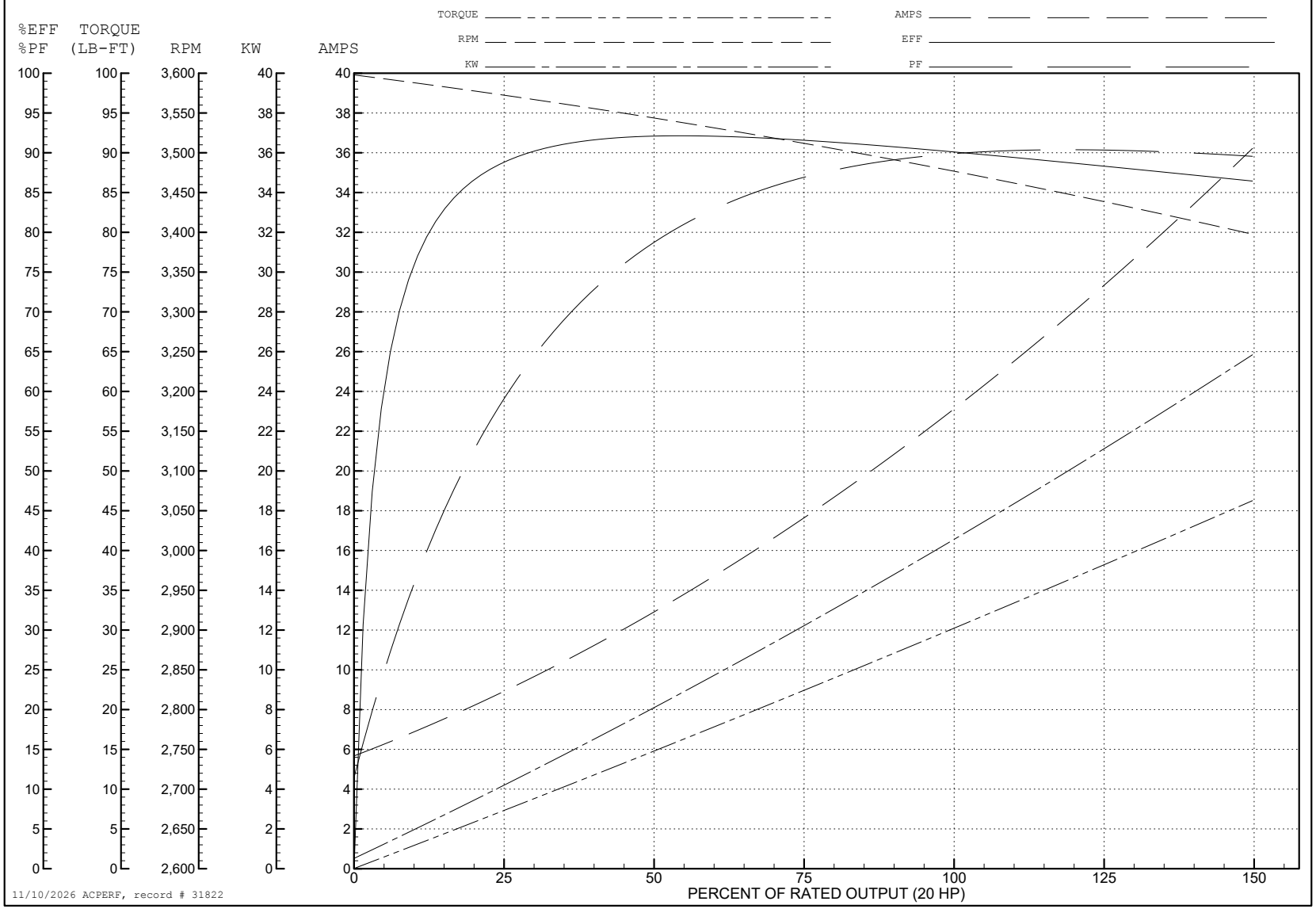
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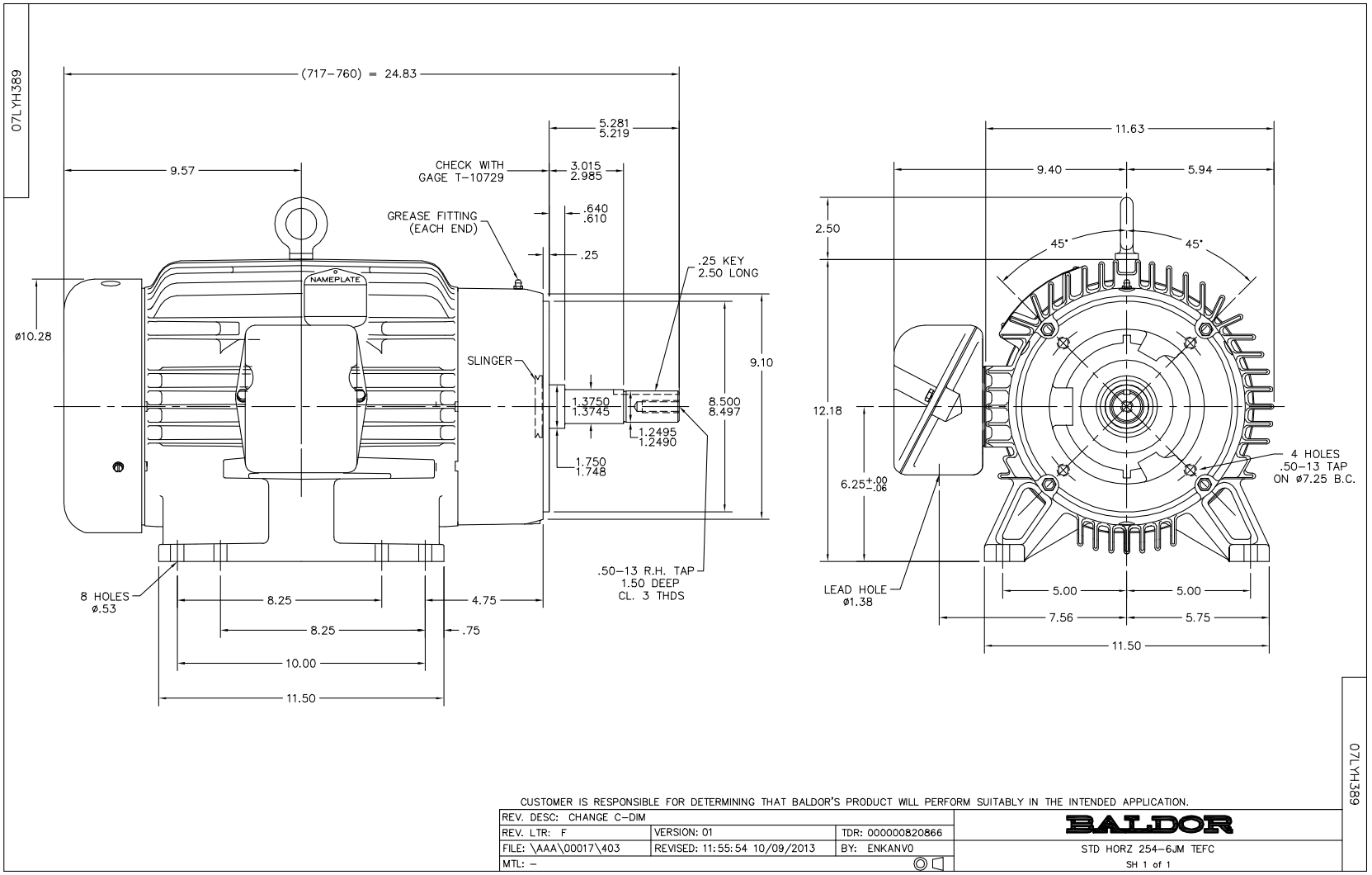
WINDING # 07WGY016

20 HP 3 PH 60 HZ 3480 RPM 460 V 0754M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=113 PU=55.2 LR=65.9 LRA=169





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

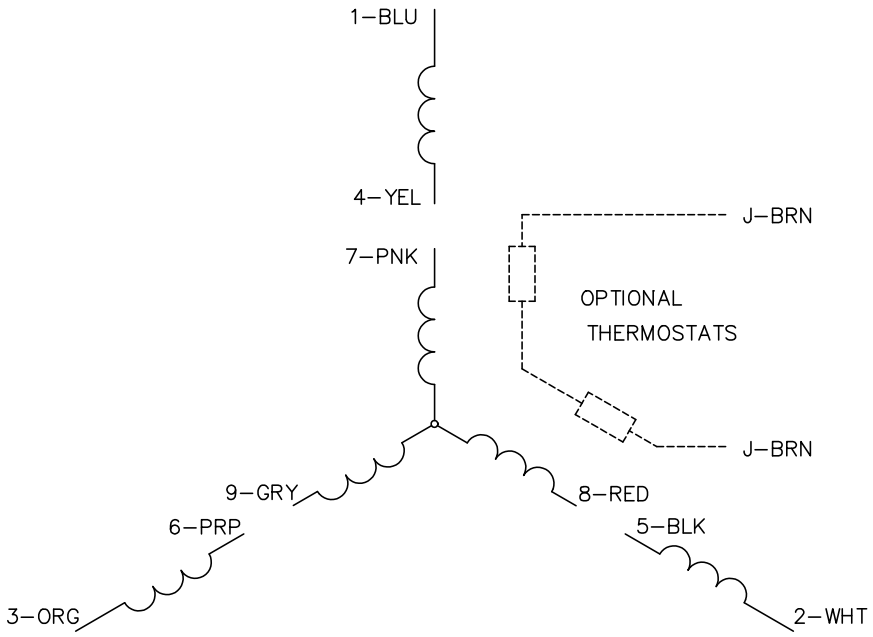
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MTL: -		

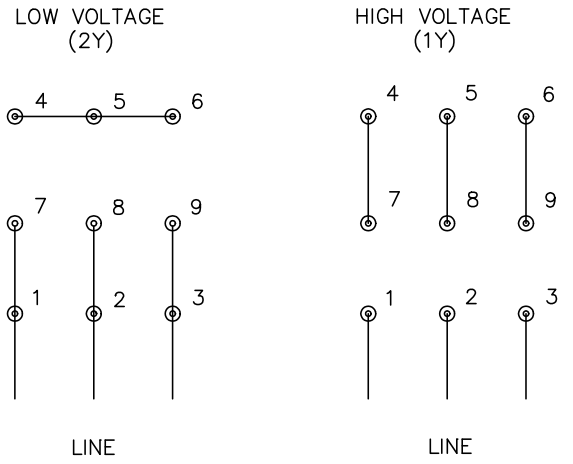
BALDOR

STD HORZ 254-6JM TEFC

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