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Product Information Packet

JPM3710T

7.5HP,1770RPM,3PH,60HZ,213JP,3732M,TEFC

Part Detail

Revision:	G	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	37WGS150	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	37L079	**Layout:**	37LYL079	**Poles:**	04	**Created Date:**	06-17-2010
Base:	RG	**Eff. Date:**	03-08-2016	**Leads:**	9#14		

Specs

Catalog Number:	JPM3710T	**Insulation Class:**	F
Enclosure:	TEFC	**Inverter Code:**	Not Inverter
Frame:	213JP	**KVA Code:**	K
Frame Material:	Steel	**Lifting Lugs:**	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	**Locked Bearing Indicator:**	Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 14 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	208.0 V @ 60 HZ	**Motor Type:**	3731M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	CSA	**Power Factor:**	77
	UR	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	C-Face
Base Indicator:	RG	**Pulley Shaft Indicator:**	Tapped & Key
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End
Current @ Voltage:	10.100 A @ 460.0 V	**Shaft Ground Indicator:**	No Shaft Grounding

	20.200 A @ 230.0 V	**Shaft Rotation:**	Reversible
	22.000 A @ 208.0 V	**Shaft Slinger Indicator:**	No Slinger
Design Code:	A	**Speed Code:**	Single Speed
Drip Cover:	No Drip Cover	**Motor Standards:**	NEMA
Duty Rating:	CONT	**Starting Method:**	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Bearing:**	None
Feedback Device:	NO FEEDBACK	**Thermal Device - Winding:**	None
Front Face Code:	Standard	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Shaft Indicator:	None	**Winding Thermal 1:**	None
Heater Indicator:	No Heater	**Winding Thermal 2:**	None

Nameplate NP1256L

CAT.NO.	JPM3710T							
SPEC.	37L079S150H1							
HP	7.5							
VOLTS	208-230/460							
AMP	22-20.2/10.1							
RPM	1770							
FRAME	213JP		**HZ**	60			**PH**	3
SER.F.	1.15	**CODE**	K	**DES**	A		**CLASS**	F
NEMA-NOM-EFF	89.5	**PF**	77					
RATING	40C AMB-CONT							
CC	010A					**USABLE AT 208V**		
DE	6309			**ODE**	6206			
ENCL	TEFC	**SN**						

AC Induction Motor Performance Data

Record # 22653 - Typical performance - not guaranteed values

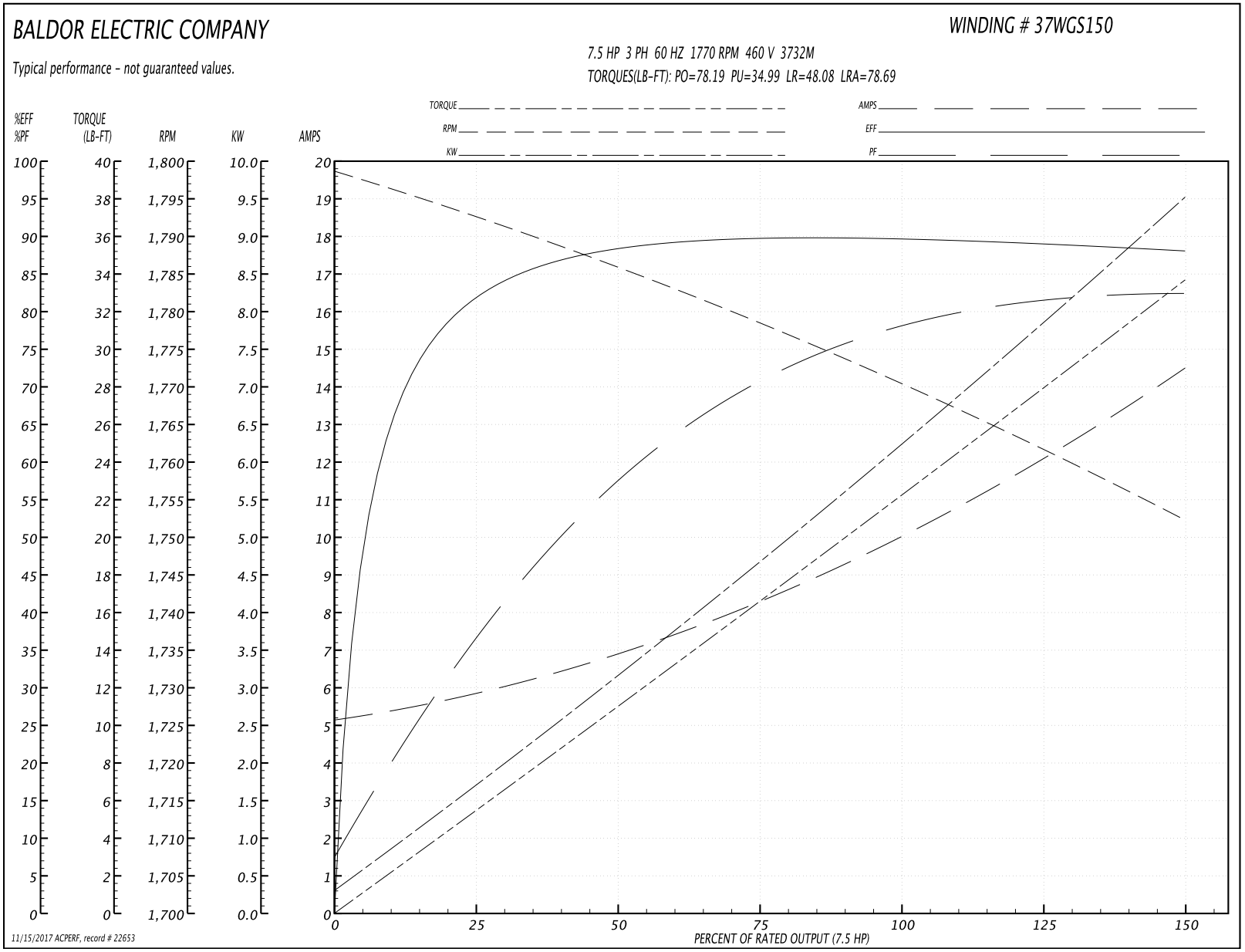
Winding: 37WGS150-R001	**Type:** 3732M	**Enclosure:** TEFC

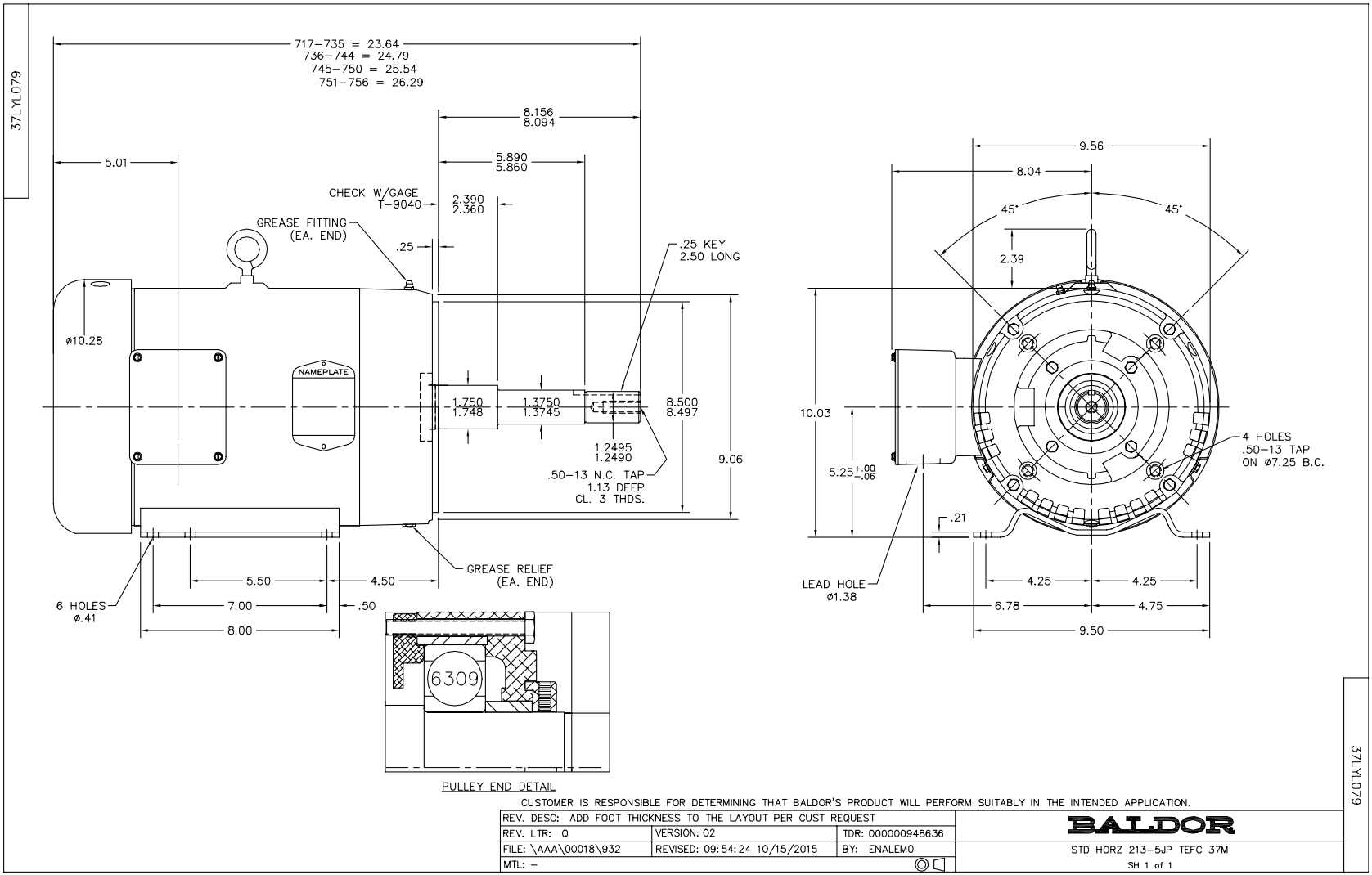
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	22.14 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	22-20.2/10.1			Breakdown Torque	78.19 LB-FT
R.P.M.	1770			Pull-up Torque	34.99 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48.08 LB-FT
NEMA Design Code	A	KVA Code	K	Starting Current	78.69 A
Service Factor (S.F.)	1.15			No-load Current	5.26 A
NEMA Nom. Eff.	89.5	Power Factor	77	Line-line Res. @ 25ºC	1.39 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	69°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C
				Locked-rotor Power Factor	38.8
				Rotor inertia	0.787 LB-FT2

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	71	77	81	83	79
Efficiency	81.5	88.2	89.6	90	88.8	88	89.4
Speed	1792	1786	1778	1771	1762	1752	1765
Line amperes	5.74	6.79	8.35	10.08	12.2	14.39	11.4

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





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

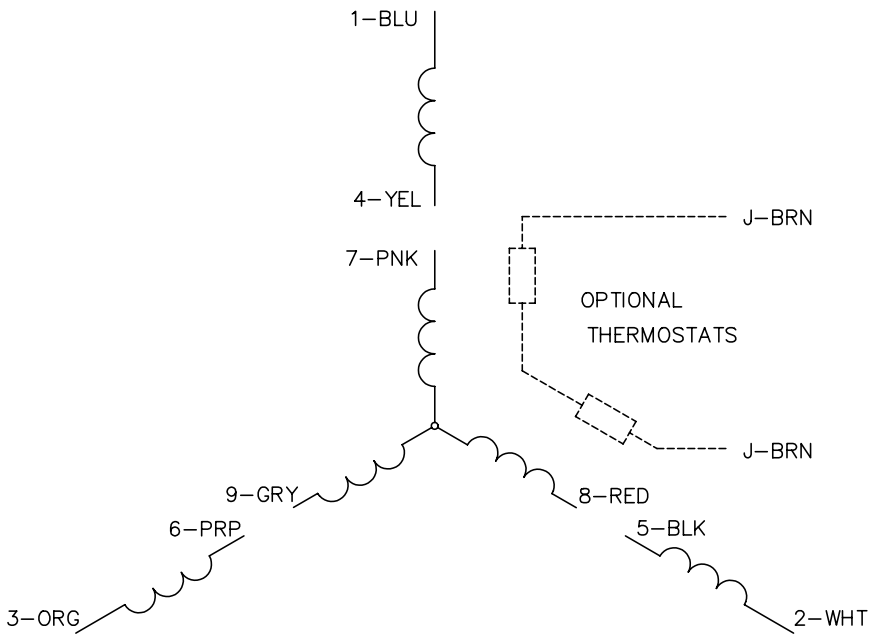
REV. DESC: ADD FOOT THICKNESS TO THE LAYOUT PER CUST REQUEST		
REV. LTR: Q	VERSION: 02	TDR: 000000948636
FILE: \AAA\00018\932	REVISED: 09:54:24 10/15/2015	BY: ENALEM0
MTL: –		

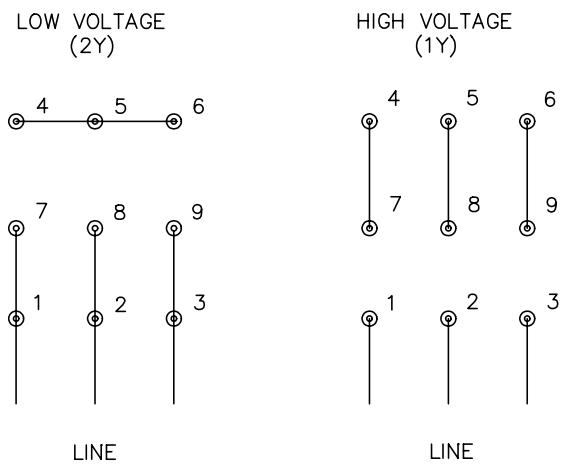
BALDOR

STD HORZ 213–5JP TEFC 37M

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.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS