

**BALDOR® • RELIANCE** 

**Product Information Packet**

**M1225T**

**7.5/3.3HP, 1740/1160RPM, 3PH, 60HZ, 256T, 374**

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGS278	CD Diagram:	CD0013	Mfg Plant:	
Mech. Spec:	37L152	Layout:	37LYL152	Poles:	04/06	Created Date:	01-22-2007
Base:	RG	Eff. Date:	07-19-2019	Leads:	6#14		

Specs			
Catalog Number:	M1225T	Insulation Class:	F
Enclosure:	OPSB	Inverter Code:	Not Inverter
Frame:	256T	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	Standard Lifting Lugs
Output @ Frequency:	7.500 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	3.300 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 14 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	None	Motor Type:	3740M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Agency Approvals:	UR	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	9.900 A @ 460.0 V	Shaft Rotation:	Reversible

<b>Design Code:</b>	B	<b>Shaft Slinger Indicator:</b>	No Slinger
<b>Drip Cover:</b>	No Drip Cover	<b>Speed Code:</b>	2S-2W-VT
<b>Duty Rating:</b>	CONT	<b>Motor Standards:</b>	NEMA
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Starting Method:</b>	Direct on line
<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Bearing:</b>	None
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Winding:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Heater Indicator:</b>	No Heater	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1256L</b>										
<b>CAT.NO.</b>	M1225T									
<b>SPEC.</b>	37L152S278									
<b>HP</b>	7.5/3.3									
<b>VOLTS</b>	460									
<b>AMP</b>	9.9/5.7									
<b>RPM</b>	1740/1160									
<b>FRAME</b>	256T				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	K	<b>DES</b>	B		<b>CLASS</b>	F	
<b>NEMA-NOM-EFF</b>			<b>PF</b>							
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>									<b>USABLE AT 208V</b>	
<b>DE</b>	6309				<b>ODE</b>	6206				
<b>ENCL</b>	OPSB		<b>SN</b>							

Parts List		
Part Number	Description	Quantity
SA152855	SA 37L152S278	1.000 EA
RA141615	RA 37L152S278	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
09CB3002SP	CB W/1.38 LEAD HOLE FOR 37, 39, 307 & 30	1.000 EA
HA6429	KO BOX ADAPTER REXITE	1.000 EA
19XW2520A16	SCREW,1/4-20X1 TAPTITE-II OR ROLOC 91	2.000 EA
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 EA
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 EA
37EP3203A00	MASTER,ODE,206 BRG,GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3202A01	STD PULLEY EP MODEL 37 OPEN 309 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 EA
51XW2520A10	.25-20 X .62, TAPTITE II, HEX WSHR SLTD	2.000 EA
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.028 GA
HA3104A52	THRUBOLT, .31-18 X 17.000	4.000 EA
37AD2001C01	BAFFLE PLATE, PLASTIC 1.56" WIDTH	2.000 EA
LB1119N	WARNING LABEL	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
FE-0000001	ZRTG FE ASSEMBLY	1.000 EA

<b>Accessories</b>		
<b>Part Number</b>	<b>Description</b>	<b>Multiplier</b>
39-3400	C FACE KIT	A8

**AC Induction Motor Performance Data**

Record # 61326 - Typical performance - not guaranteed values

<b>Winding:</b> 37WGS278-R002	<b>Type:</b> 3740M	<b>Enclosure:</b> OPSB
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	7.5/3.3			Full Load Torque	22.8 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	9.9/5.7			Breakdown Torque	91.1 LB-FT
R.P.M.	1740/1160			Pull-up Torque	36.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	61.1 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	80.6 A
Service Factor (S.F.)	1.15			No-load Current	4.63 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	2.89 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Locked-rotor Power Factor	60.2

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	67	78	85	88	90	87
Efficiency	78.4	85	86.1	84.8	82.6	80.3	83.5
Speed	1786	1771	1756	1738	1719	1696	1727
Line amperes	4.98	6.19	7.72	9.86	12	14.5	11.1

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

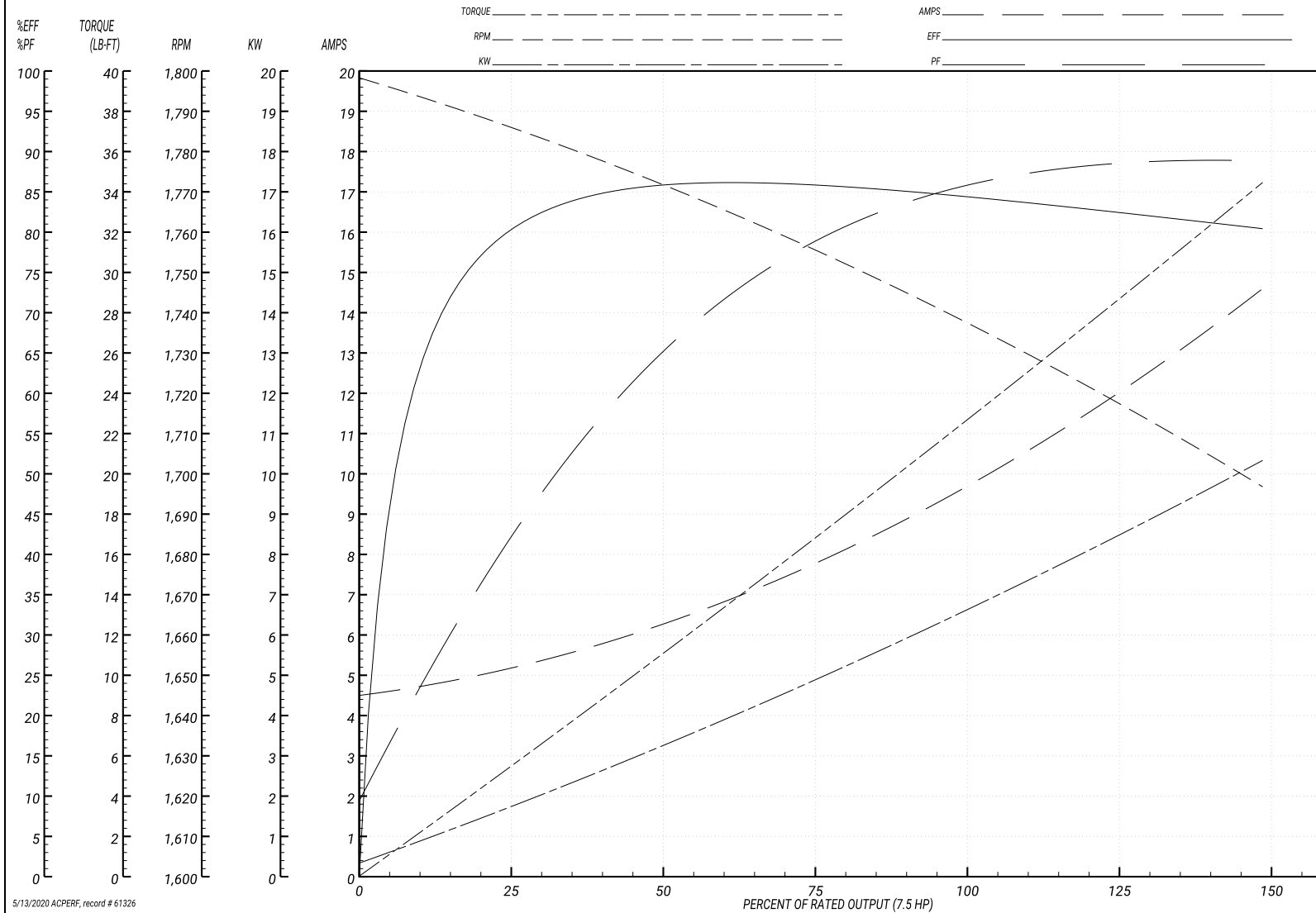
ABB Motors and Mechanical Inc.

WINDING # 37WGS278

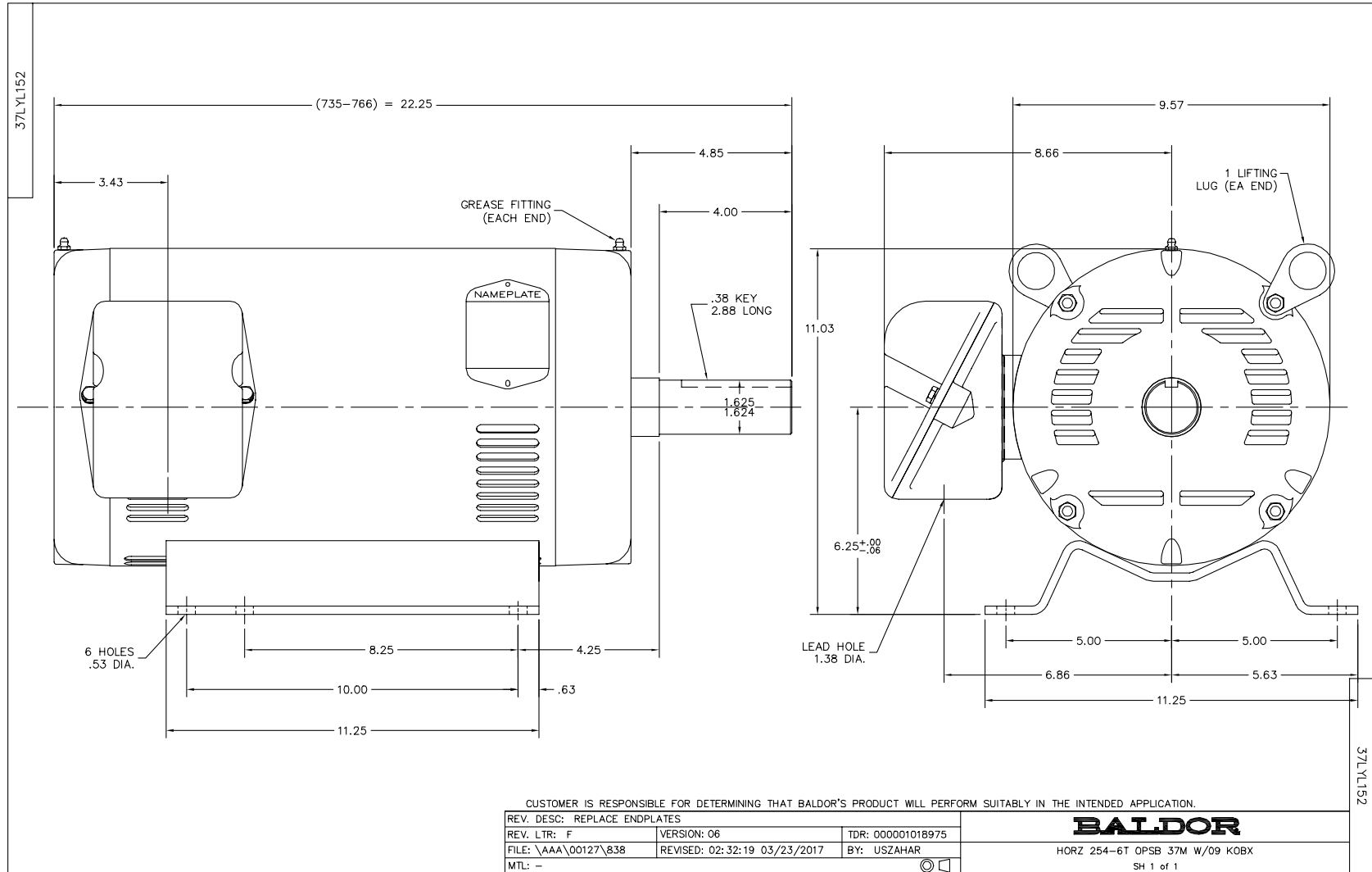
Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1738 RPM 460 V 3740M

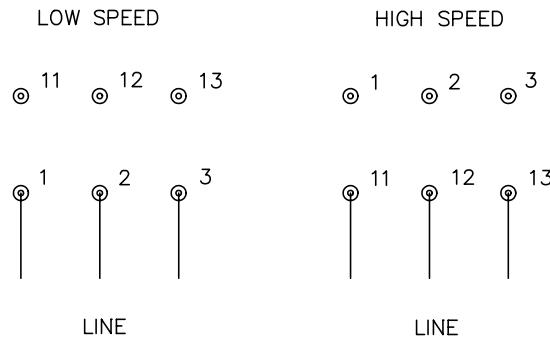
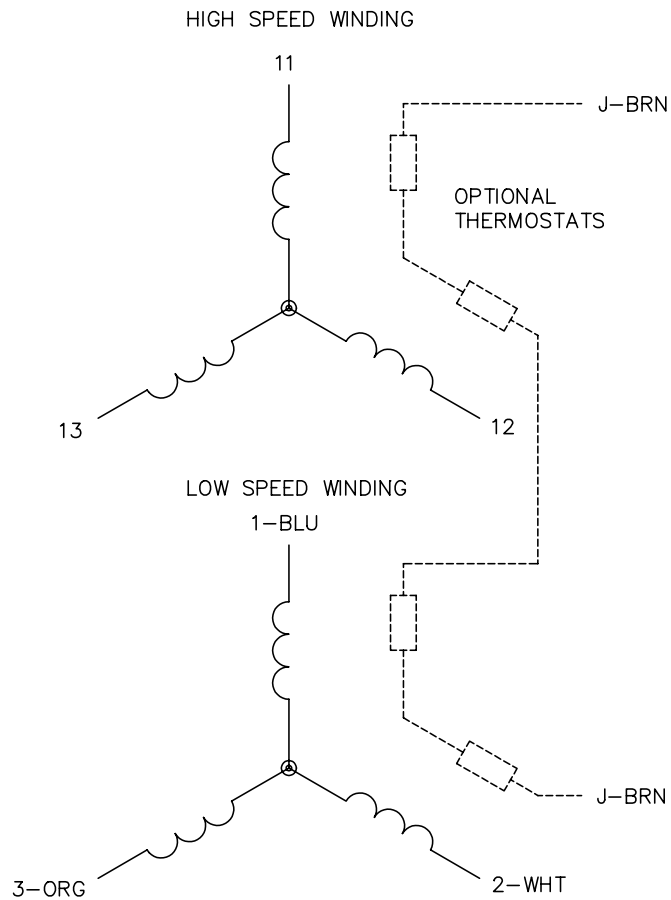
TORQUES(LB-FT): PO=91.1 PU=36.1 LR=61.1 LRA=80.6



5/13/2020 ACPERF, record # 61326



CD0013



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 VARY.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
Ω10000		FILE: AAA00005143	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, SV, 6 LEADS, 2-SPEED 2-WINDING

CD0013