

BALDOR® • RELIANCE 

Product Information Packet

M1225T

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

Part Detail							
Revision:	L	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:	07-06-2021	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

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

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

AC Induction Motor Performance Data

Record # 61326

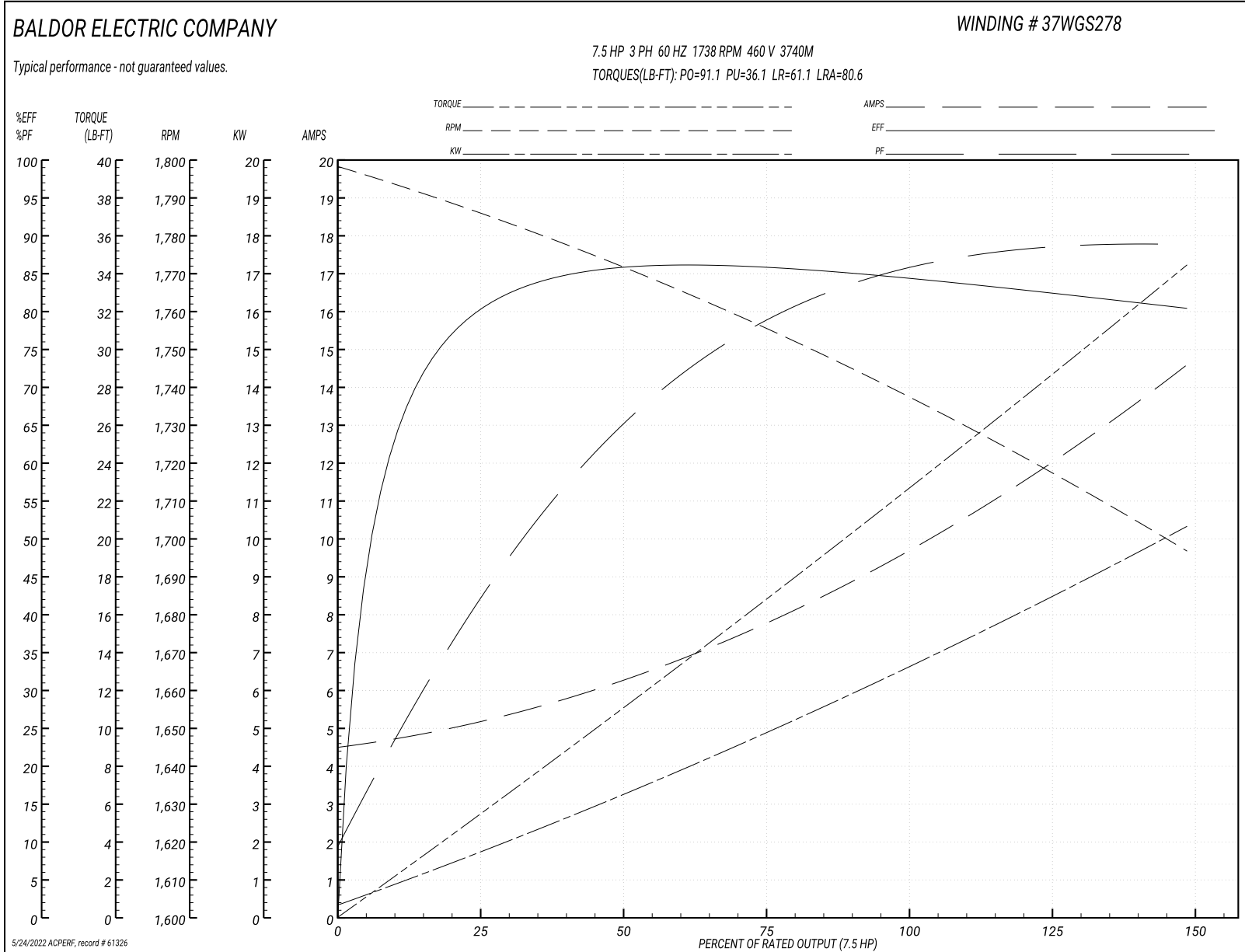
Typical performance - not guaranteed values

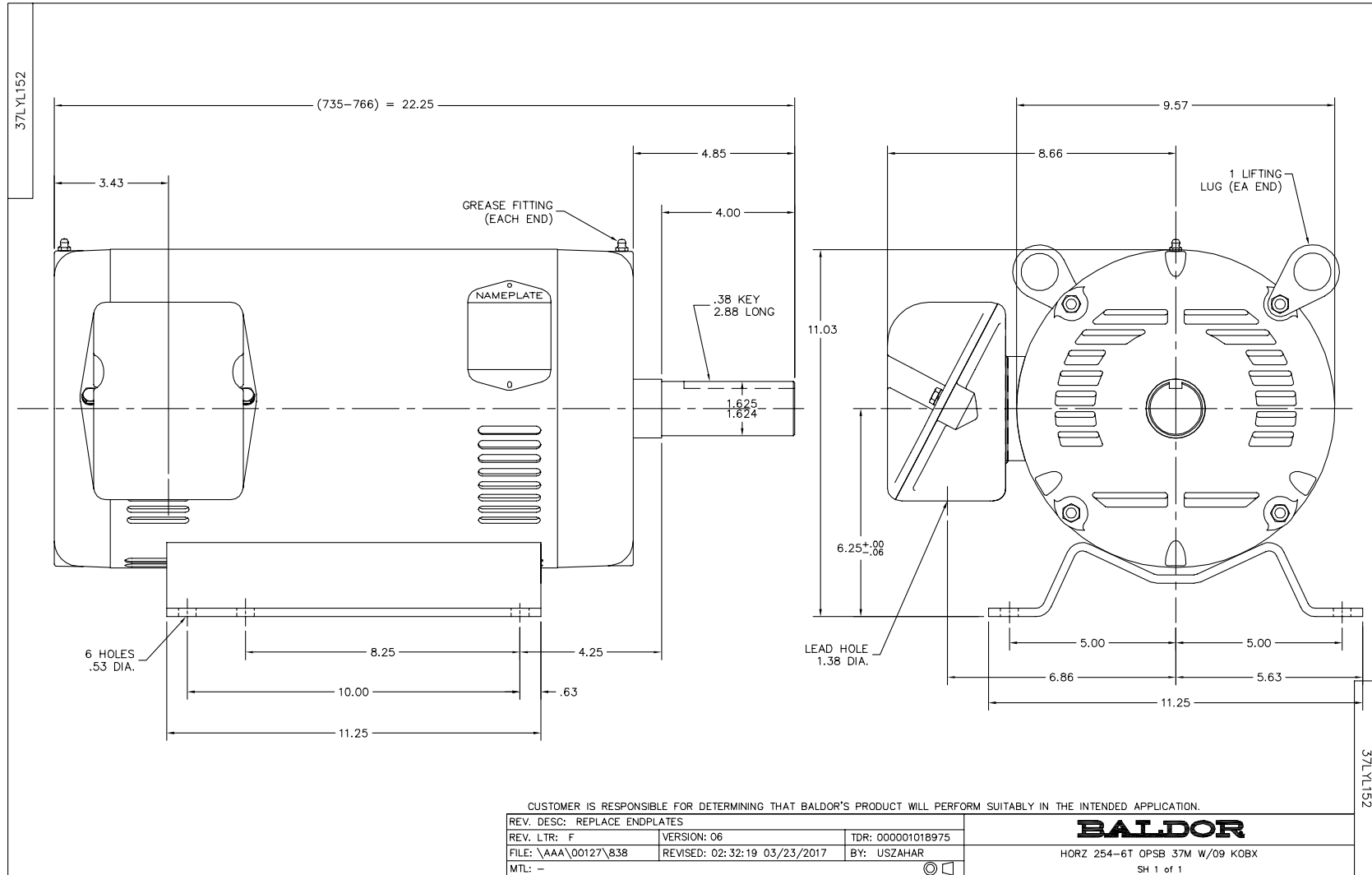
Winding: 37WGS278-R002		Type: 3740M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Speed Connection		
Rated Output (HP)	7.5/3.3	Full Load Torque	22.8 LB-FT		
Volts	460	Start Configuration	direct on line		
Full Load Amps	9.9/5.7	Breakdown Torque	91.1 LB-FT		
R.P.M.	1740/1160	Pull-up Torque	36.1 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

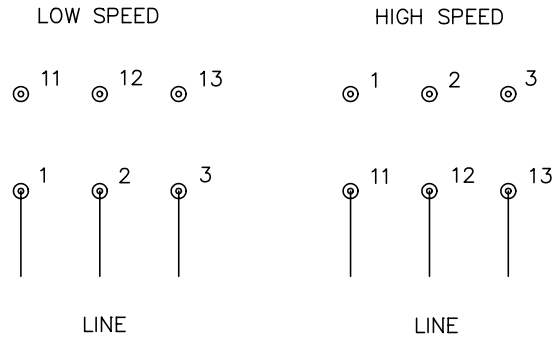
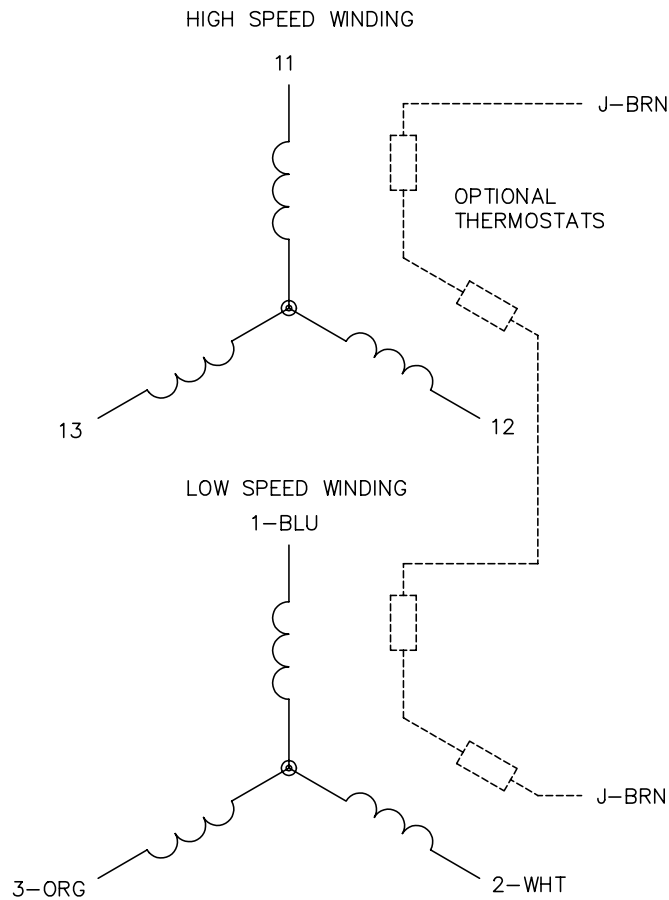
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	43	67	78	85	88	90	87
Efficiency	78.4	85	86.1	84.8	82.6	80.3	83.5
Speed	1786	1771	1756	1738	1719	1696	1727
Line amperes	4.98	6.19	7.72	9.86	12	14.5	11.1

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





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
Ω10003		FILE: AAA00005143	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

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

CD0013