

BALDOR • RELIANCE

Customer information packet

M1225T

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

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	256T
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 3.300 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	9.900 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	5.7 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	P
Type	AC
Mech. spec.	37L152
Base	
Status	PRD/A
Elec. spec.	37WGS278
Layout	37LYL152
Eff. date	05-13-2024
CD Diagram	CD0013
Poles	04/06
Leads	6#14
Proprietary	False
Created date	01-22-2007

KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3740M
Mounting Arrangement	F1
Number of Poles	4 6
Overall Length	22.25 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1160 rpm 1740 rpm
Speed Code	2S-2W-VT
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.	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									
DE	6309		ODE	6206					
ENCL	OPSB	SN							

Accessories

Part number	Description	Multiplier
39-3400	C FACE KIT	A8

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	Locked-rotor Torque	61.1 LB-FT	
NEMA Design Code	B KVA Code	Starting Current	80.6 A	
Service Factor (S.F.)	1.15	No-load Current	4.63 A	
NEMA Nom. Eff.	0 Power Factor	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

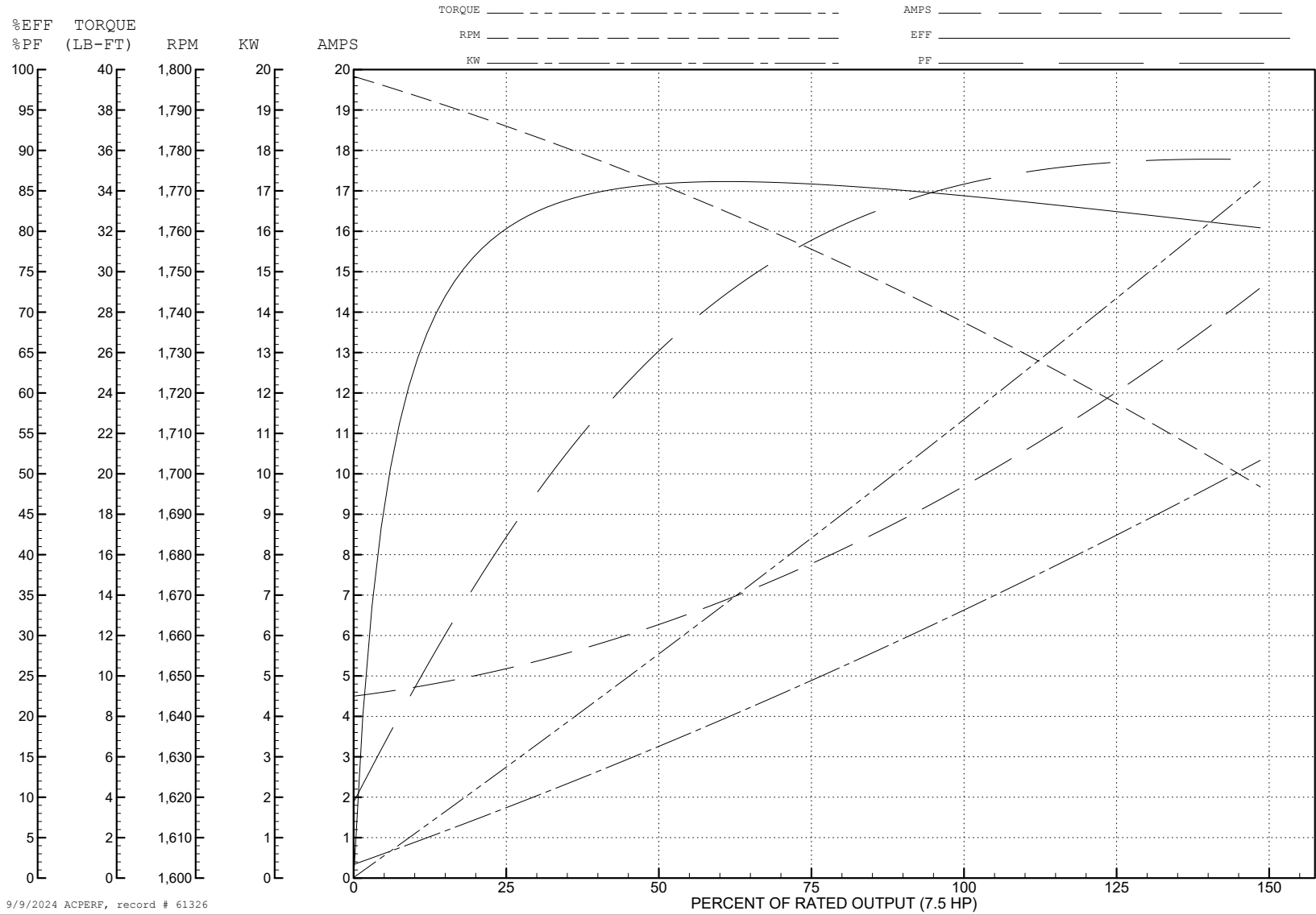
ABB Motors and Mechanical Inc.

WINDING # 37WGS278

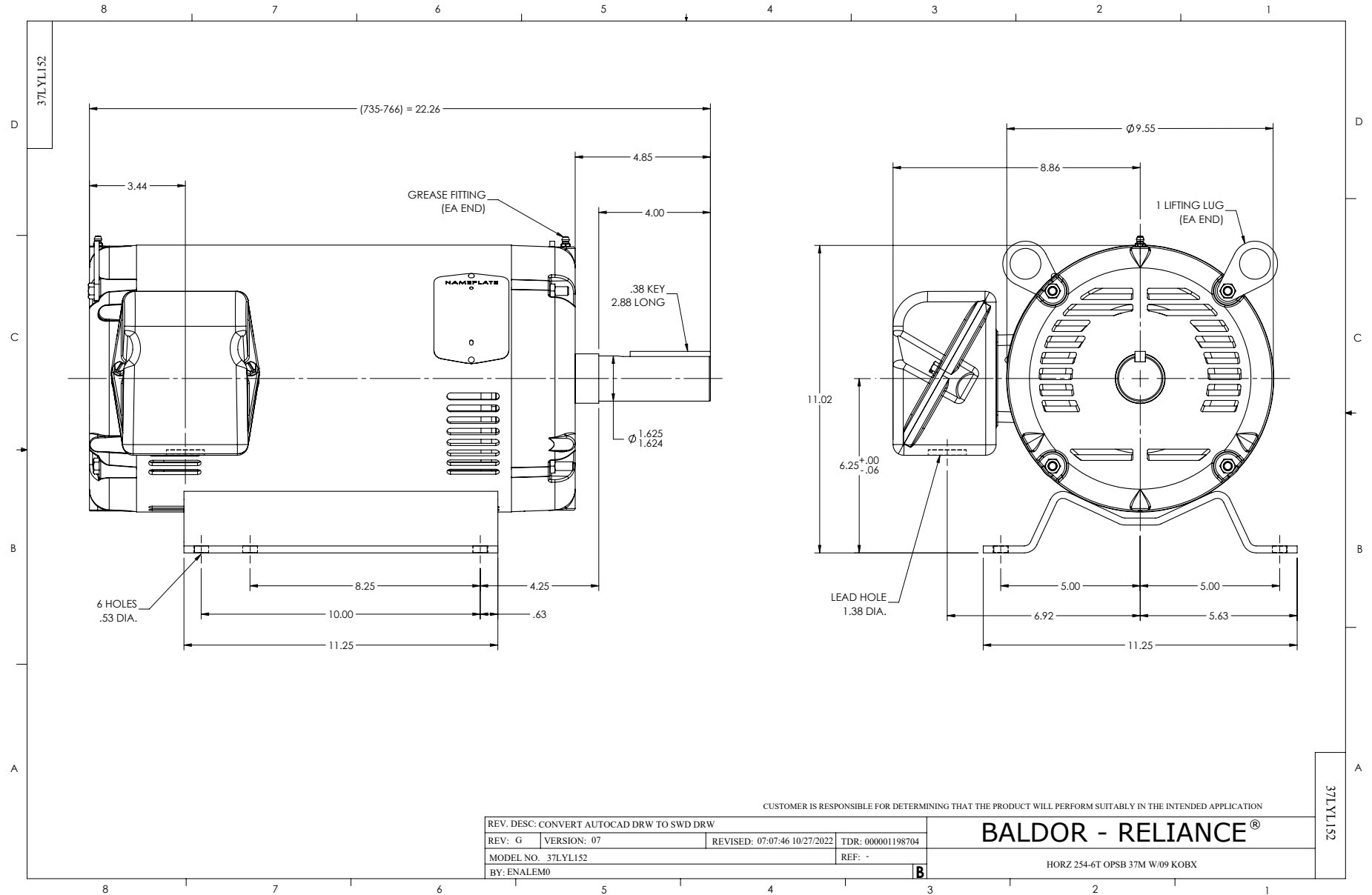
7.5 HP 3 PH 60 HZ 1738 RPM 460 V 3740M

Typical performance - not guaranteed values.

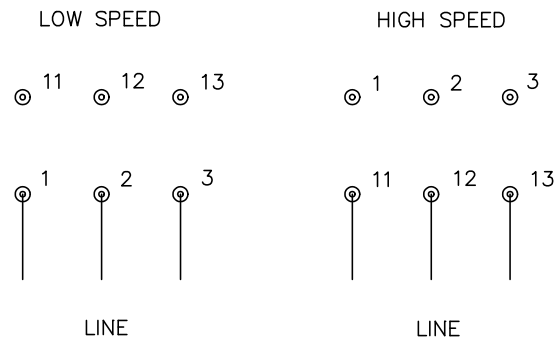
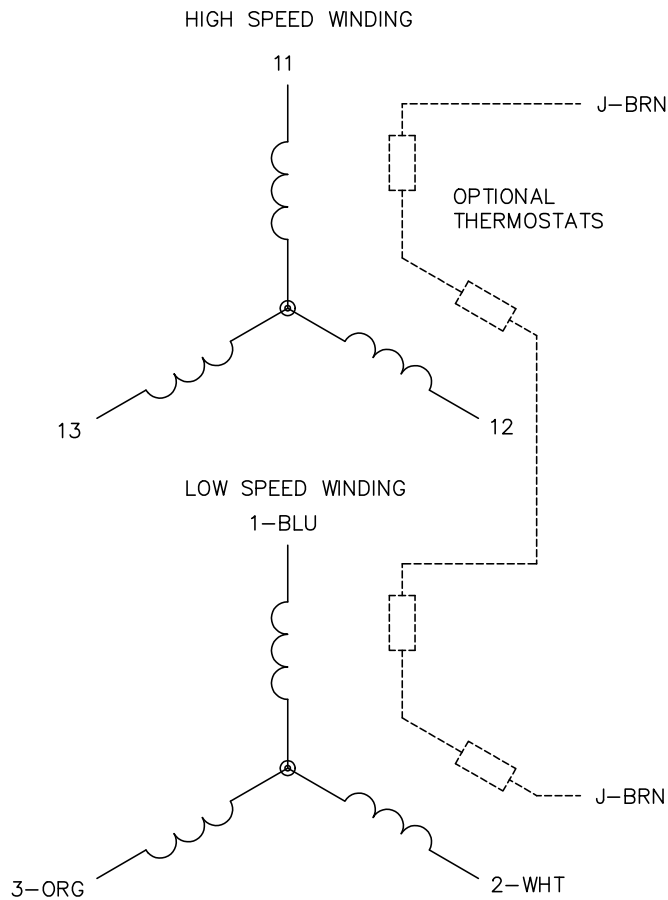
TORQUES (LB-FT): PO=91.1 PU=36.1 LR=61.1 LRA=80.6



9/9/2024 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.

CD0013

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 01/22/99 8:50	TDR: 0171435
Ω 10000		FILE: AAA00005143	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

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