

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **M1225T**

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

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3740M	Elec. Spec:	37WGS278	CD Diagram:	CD0013
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	37L152	Layout:	37LYL152
Frame:	256T	Mounting:	F1	Poles:	04/06	Created Date:	01-22-2007
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	06-24-2015
Leads:	6#14					Replaced By:	
Literature:		Elec. Diagram:					

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	B	
NEMA-NOM-EFF			PF							
RATING	40C AMB-CONT									
CC									USABLE AT 208V	
DE	6309				ODE	6206				
ENCL	OPSB		SN							

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
09CB3002	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
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
37EP3200A01SP	FR ENDPLATE, FOR ROUTING PURPOSES	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
09CB3501	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, POLYREX EM EXXON (USe 4824-15A)	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, STAMPED	2.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
LB1119N	WARNING LABEL	1.000 EA
LC0013	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	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 # 23482 - Typical performance - not guaranteed values

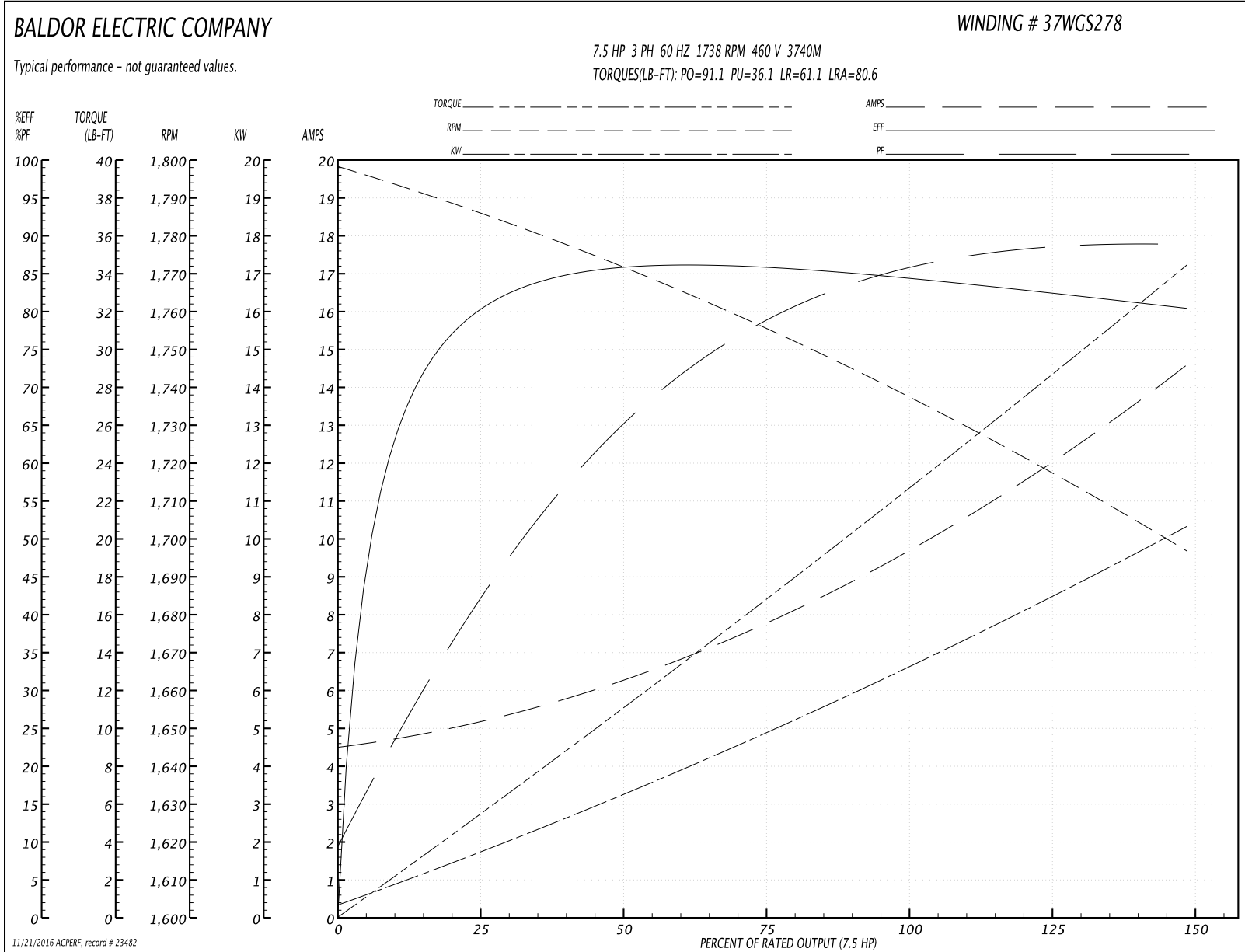
<b>Winding:</b> 37WGS278-R001	<b>Type:</b> 3740M	<b>Enclosure:</b> OPSB
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Nameplate Data				460 V, 60 Hz: High Speed Connection	
Rated Output (HP)	7.5/3.3			Full Load Torque	22.8 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	9.9/5.7			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

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



**AC Induction Motor Performance Data**  
Record # 23483 - Typical performance - not guaranteed values

<b>Winding:</b> 37WGS278-R001	<b>Type:</b> 3740M	<b>Enclosure:</b> OPSB
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Nameplate Data				460 V, 60 Hz: Low Speed Connection	
Rated Output (HP)	7.5/3.3			Full Load Torque	15 LB-FT
Volts	460			Start Configuration	direct on line
Full Load Amps	9.9/5.7			Breakdown Torque	61.1 LB-FT
R.P.M.	1740/1160			Pull-up Torque	19.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	29.6 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	32.6 A
Service Factor (S.F.)	1.15			No-load Current	3.89 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	5.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	52°C
S.F. Amps				Temp. Rise @ S.F. Load	61°C

Load Characteristics 460 V, 60 Hz, 3.3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	45	58	68	74	78	72
Efficiency	67.3	77.8	80.9	80.9	79.6	77.5	80.1
Speed	1190	1182	1172	1162	1149	1132	1154
Line amperes	4.01	4.38	4.93	5.68	6.57	7.72	6.21

Performance Graph at 460V, 60Hz, 3.3HP Typical performance - Not guaranteed values

