

ABB BALDOR RELIANCE III

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
Auxiliary Box	NO AUXILLARY BOX
Auxiliary 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	Q
Type	AC
Mech. spec.	37L152
Base	
Status	PRD/A
Elec. spec.	37WGS278
Layout	37LYL152
Eff. date	07-14-2025
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	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

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





