

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							

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
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.028 ga
HA3104A52	THRUBOLT, .31-18 X 17.000	4.000 ea
37AD2001C01	BAFFLE PLATE, PLASTIC 1.56" WIDTH	2.000 ea
LC0013	CONNECTION LABEL	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
37PA1074	PALLET PACK GRP, PRINT BOX PK1026A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

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





