

ABB BALDOR RELIANCE III

Customer information packet

AOM3702T

2HP, 855RPM, 3PH, 60HZ, 213T, 3724M, TEAO, F1, N

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	213T
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	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
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	7.600 A @ 208.0 V 7.000 A @ 230.0 V 3.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	82.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	L
Type	AC
Mech. spec.	37F359
Base	
Status	PRD/A
Elec. spec.	37WGT938
Layout	37LYF359
Eff. date	10-09-2025
CD Diagram	CD0005
Poles	08
Leads	9#14 36" LG SEE NOTE Y
Proprietary	False
Created date	01-18-2007

Heater Indicator	No Heater
High Voltage Full Load Amps	3.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 14 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3724M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	16.32 IN
Power Factor	65
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.375 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	855 rpm
Speed Code	Single Speed
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.	AOM3702T										
SPEC.	37F359T938G1										
HP	2										
VOLTS	208-230/460										
AMP	7.6-7/3.5										
RPM	855										
FRAME	213T		HZ	60				PH	3		
SER.F.	1.00		CODE	H	DES	B		CLASS	F		
NEMA-NOM-EFF	82.5		PF	65							
RATING	40C AMB-CONT										
CC											
DE	6307		ODE	6206							
ENCL	TEAO		SN								

Parts List

Part number	Description	Quantity
SA152818	SA 37F359T938G1	1.000 ea
RA141579	RA 37F359T938G1	1.000 ea
HW3200A01	3/8-16X3/4 EYEBOLT WELDED F/S	1.000 ea
37CB3004	37 CB CASTING W/1.09 LEAD HOLE @ 6:00	1.000 ea
37GS1000SP	GASKET, CONDUIT BOX STD., .06 THICK LEXI	1.000 ea
10XN2520A10	1/4-20X 5/8 HEX HD X	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
37EP3101A02	FR ENDPLATE, 37L&M-TENV MTR, MACH	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 ea
37EP3100A09	PU ENDPLATE, MACH	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
37CB4516	LIPPED LID FOR 37 FRAME NEC KOBX	1.000 ea
37GS1008	37 GS FOR CB LID - LEXIDE	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	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
HA3104A14	THRUBOLT- 5/16-18 X12.125(OHIO)	4.000 ea
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
37-3301	C FACE KIT	P1

AC Induction Motor Performance Data

Record # 61345

Typical performance - not guaranteed values

Winding: 37WGT938-R016			Type: 3724M		Enclosure: TEAO			
Nameplate Data				460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2	Full Load Torque		12.2 LB-FT			
Volts		208-230/460	Start Configuration		direct on line			
Full Load Amps		7.6-7/3.5	Breakdown Torque		35.9 LB-FT			
R.P.M.		855	Pull-up Torque		18 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		21.5 LB-FT		
NEMA Design Code		B	KVA Code	H	Starting Current		16.3 A	
Service Factor (S.F.)		1	No-load Current		2.2 A			
NEMA Nom. Eff.		82.5	Power Factor		65	Line-line Res. @ 25°C		6.98 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		50°C	
				Locked-rotor Power Factor		35.5		
				Rotor inertia		0.597 LB-FT2		

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	28	44	56	64	69	73
Efficiency	72.2	80.8	83.3	83.6	81.7	78.3
Speed	889	879	868	856	841	823
Line amperes	2.3	2.59	2.99	3.49	4.11	4.91

ABB Motors and Mechanical Inc.

WINDING # 37WGT938

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 855 RPM 460 V 3724M

TORQUES (LB-FT): PO=35.9 PU=18 LR=21.5 LRA=16.3





