

ABB BALDOR RELIANCE III

Customer information packet L1512T

10HP, 1725RPM, 1PH, 60HZ, 215T, 3737LC, OPSB, F

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	215T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	10.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
Agency Approvals	C UR US
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	39.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
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	39.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	E

Part Detail

Revision	R
Type	AC
Mech. spec.	37L969
Base	
Status	PRD/A
Elec. spec.	37WGT923
Layout	37LYL969
Eff. date	12-16-2024
CD Diagram	CD2094
Poles	04
Leads	2#10 A PH,2#14 B PH
Proprietary	False
Created date	11-16-2007

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 10 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3737LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.45 IN
Power Factor	97
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	1725 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.	L1512T								
SPEC.	37L969T923G1								
HP	10								
VOLTS	230								
AMP	39								
RPM	1725								
FRAME	215T		HZ	60			PH	1	
SER.F.	1.00	CODE	E	DES	L	CLASS	F		
NEMA-NOM-EFF	85.5	PF	97						
RATING	40C AMB-CONT								
CC									
DE	6307		ODE	6206					
ENCL	OPSB	SN							

Accessories

Part number	Description	Multiplier
37-1404	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 61323

Typical performance - not guaranteed values

Winding: 37WGT923-R003			Type: 3737LC		Enclosure: OPSB	
Nameplate Data			230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10	Full Load Torque		30.3 LB-FT	
Volts		230	Start Configuration		direct on line	
Full Load Amps		39	Breakdown Torque		76.1 LB-FT	
R.P.M.		1725	Pull-up Torque		51.8 LB-FT	
Hz	60	Phase	1	Locked-rotor Torque	78.4 LB-FT	
NEMA Design Code	L	KVA Code	E	Starting Current	211 A	
Service Factor (S.F.)		1	No-load Current		6.2 A	
NEMA Nom. Eff.	85.5	Power Factor	97	Line-line Res. @ 25°C	0.242 Ω A Ph 0.538 Ω B Ph	
Rating - Duty		40C	AMB-CONT	Temp. Rise @ Rated Load	73°C	

Load Characteristics 230 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125
Power Factor	94	97	98	97	96
Efficiency	76.1	86	87.5	85.7	81.8
Speed	1785	1770	1751	1727	1699
Line amperes	11.3	19.2	28.3	38.8	50.9

ABB Motors and Mechanical Inc.

WINDING # 37WGT923

Typical performance - not guaranteed values.

10 HP 1 PH 60 HZ 1725 RPM 230 V 3737LC

TORQUES (LB-FT): PO=76.1 PU=51.8 LR=78.4 LRA=211





