

ABB BALDOR RELIANCE III

Customer information packet

L1177T

15HP, 1760RPM, 1PH, 60HZ, 254T, 0956LC, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Cap Run
Output @ Frequency	15.000 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	60.000 A @ 230.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	86.5 %
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	60.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	E

Part Detail

Revision	AN
Type	AC
Mech. spec.	09G373
Base	
Status	PRD/A
Elec. spec.	09WGZ143
Layout	09LYG373
Eff. date	02-08-2024
CD Diagram	CD1084
Poles	04
Leads	2#6 A PH 12" long,2#12 B PH Y
Proprietary	False
Created date	11-18-2005

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Cap Box
Motor Lead Quantity/Wire Size	2 @ 6 AWG, A PH
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0956LC
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.36 IN
Power Factor	96
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	L1177T								
SPEC.	09G373Z143G1								
HP	15								
VOLTS	230								
AMP	60								
RPM	1760								
FRAME	254T		HZ	60			PH	1	
SER.F.	1.00	CODE	E	DES	L	CLASS	F		
NEMA-NOM-EFF	86.5	PF	96						
RATING	40C AMB-CONT								
CC									
DE	6309		ODE	6307					
ENCL	TEFC	SN							

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 21347

Typical performance - not guaranteed values

Winding: 09WGZ143-R001				Type: 0956LC		Enclosure: TEFC	
Nameplate Data				230 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		15		Full Load Torque		45.3 LB-FT	
Volts		230		Start Configuration		direct on line	
Full Load Amps		60		Breakdown Torque		114 LB-FT	
R.P.M.		1760		Pull-up Torque		55 LB-FT	
Hz		60		Phase		1	
NEMA Design Code		L		KVA Code		E	
Service Factor (S.F.)		1		No-load Current		7.93 A	
NEMA Nom. Eff.		86.5		Power Factor		96	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	
						80°C	

Load Characteristics 230 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	89	95	96	96	95	94
Efficiency	80.5	87.6	88.3	86.9	83.8	79.3
Speed	1784	1768	1749	1727	1698	1664
Line amperes	17	29	42.7	57.9	75.8	97.2

ABB Motors and Mechanical Inc.

WINDING # 09WGZ143

Typical performance - not guaranteed values.

15 HP 1 PH 60 HZ 1760 RPM 230 V 0956LC

TORQUES (LB-FT): PO=114 PU=55 LR=76.7 LRA=304





