

ABB BALDOR RELIANCE III

Customer information packet

VRBM3161T

3HP, 1700RPM, 3PH, 60HZ, 182TC, 7542M, TEFC, F3

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TC
Frame Material	Aluminum
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	4.400 A @ 460.0 V 8.800 A @ 230.0 V
Design Code	D
Duty Rating	CONT
Efficiency @ 100% Load	85.5 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	4.4 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Standards	NEMA
Motor Type	7542M

Part Detail

Revision	E
Type	AC
Mech. spec.	75J045
Base	
Status	INA/A
Elec. spec.	75WGW119
Layout	75LYJ045
Eff. date	05-10-2018
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	09-26-2016

Mounting Arrangement	F3
Number of Poles	4
Overall Length	18.68 IN
Power Factor	75
Product Family	General Purpose
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1700 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	None
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L									
CAT.NO.	VRBM3161T								
SPEC.	75J045W119G1								
HP	3								
VOLTS	230/460								
AMP	8.8/4.4								
RPM	1700								
FRAME	182TC		HZ	60			PH	3	
SER.F.	1.15	CODE	K	DES	D	CLASS	F		
NEMA-NOM-EFF	85.5	PF	75						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEFC	SN							



