

ABB BALDOR RELIANCE III

Customer information packet

MPM3458

.33HP, 1425/1725RPM, 3PH, 50/60HZ, 48, 3413M

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	48
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	.330 HP @ 50 HZ .330 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 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	1.800 A @ 190.0 V 1.600 A @ 230.0 V .900 A @ 380.0 V .800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	AD
Type	AC
Mech. spec.	34T027
Base	
Status	PRD/A
Elec. spec.	34WG4822
Layout	34LYT027
Eff. date	01-02-2025
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-01-0001

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	0.8 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	-
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413M
Mounting Arrangement	F3
Number of Poles	4
Overall Length	10.72 IN
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	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1425 rpm 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

Nameplate

NP1279L									
CAT.NO.	MPM3458								
SPEC.	34T27-4822								
HP	.33								
VOLTS	230/460//190/380								
AMP	1.6/.8//1.8/.9								
RPM	1725//1425								
FRAME	48		HZ	60//50		PH		3	
SER.F.	1.00		CODE	-	DES	B		CL	B
NEMA-NOM-EFF			PF						
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEFC		SN						

AC Induction Motor Performance Data

Record # 6749

Typical performance - not guaranteed values

Winding: 34WG4822-R001		Type: 3413M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33	Full Load Torque	1 LB-FT
Volts	230/460//190/380	Start Configuration	direct on line
Full Load Amps	1.6/.8//1.8/.9	Breakdown Torque	4.7 LB-FT
R.P.M.	1725//1425	Pull-up Torque	3.35 LB-FT
Hz	60//50 Phase	Locked-rotor Torque	3.75 LB-FT
NEMA Design Code	B KVA Code	Starting Current	4.4 A
Service Factor (S.F.)	1	No-load Current	0.7 A
NEMA Nom. Eff.	0 Power Factor	Line-line Res. @ 25°C	49.1 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	47°C

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	40	50	57	64	69	66
Efficiency	44	59	65	68	68	67	68
Speed	1788	1770	1760	1745	1730	1710	1725
Line amperes	0.7	0.73	0.77	0.8	0.85	1	0.9

ABB Motors and Mechanical Inc.

WINDING # 34WG4822

0.33 HP 3 PH 60 HZ 1745 RPM 460 V 3413M

Typical performance - not guaranteed values.

TORQUES (LB-FT) : PO=4.7 PU=3.35 LR=3.75 LRA=4.4





