

ABB BALDOR RELIANCE III

Customer information packet

EGDM3218T

5HP, 1750RPM, 3PH, 60HZ, 184TZ, 3636M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	184TZ
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 208.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM
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	7.000 A @ 460.0 V 14.200 A @ 208.0 V 14.000 A @ 230.0 V 14.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None

Part Detail

Revision	A
Type	AC
Mech. spec.	36Q485
Base	
Status	PRD/A
Elec. spec.	36WGZ657
Layout	36LYQ485
Eff. date	03-31-2026
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	11-07-2025

Heater Indicator	No Heater
High Voltage Full Load Amps	7.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3636M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	17.49 IN
Power Factor	80
Product Family	General Purpose
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	Included
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1750 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

NP3126L									
CAT.NO.	EGDM3218T								
SPEC.	36Q485Z657								
HP	5								
VOLTS	208-230/460								
AMP	14.2-14/7								
RPM	1750								
FRAME	184TZ		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	80						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	OPSB	SN							
	SFA 16.3-15.7/7.83								

AC Induction Motor Performance Data

Record # 115738

Typical performance - not guaranteed values

Winding: 36WGZ657-R001			Type: 3636M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		5	Full Load Torque			14.97 LB-FT
Volts		230/460	Start Configuration			direct on line
Full Load Amps		14/7	Breakdown Torque			58.2 LB-FT
R.P.M.		1750	Pull-up Torque			27 LB-FT
Hz	60	Phase	Locked-rotor Torque			32.1 LB-FT
NEMA Design Code	B	KVA Code	Starting Current			47.8 A
Service Factor (S.F.)		1.15	No-load Current			3.47 A
NEMA Nom. Eff.	89.5	Power Factor	Line-line Res. @ 25°C			2.6406 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load			41°C
S.F. Amps			Temp. Rise @ S.F. Load			50°C
			Locked-rotor Power Factor			42.5
			Rotor inertia			0.335 lb-ft²

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	58	70	77	81	83	79
Efficiency	84.7	89.8	90.7	90.3	89.3	87.9	89.7
Speed	1789	1778.9	1767.9	1755.9	1742.6	1728.3	1748
Line amperes	3.79	4.51	5.52	6.73	8.12	9.65	7.56

ABB Motors and Mechanical Inc.

WINDING # 36WGZ657

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1750 RPM 460 V 3636M

TORQUES (LB-FT): PO=58.2 PU=27 LR=32.1 LRA=47.8



