

ABB BALDOR RELIANCE III

Customer information packet

EM3215T

2HP, 1175RPM, 3PH, 60HZ, 184T, 3636M, OPSB, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	184T
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	2.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 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	3.400 A @ 460.0 V 6.800 A @ 208.0 V 6.800 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a

Part Detail

Revision	D
Type	AC
Mech. spec.	36G548
Base	
Status	PRD/A
Elec. spec.	36WGQ036
Layout	36LYG548
Eff. date	03-31-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	12-14-2020

Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	No 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	6
Overall Length	16.50 IN
Power Factor	63
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1175 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

NP1259LUA											
CAT.NO.	EM3215T										
SPEC.	36G548Q036G1										
HP	2										
VOLTS	230/460										
AMPS	6.8/3.4										
R.P.M.	1175										
FRAME	184T		HZ	60			PH	3			
SER.F.	1.15	CODE	L	DES	B	CLASS	F				
NEMA NOM. EFF.	87.5		P.F.	63							
RATING	40C AMB-CONT										
CC	010A										
DE	6206		ODE	6205							
ENCL	OPSB	SN									
USABLE AT	50HZ 2HP 190/380V 8.0/4.0A								SF1.0		

Accessories

Part number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1405A09SP	D-FLANGE KIT	

AC Induction Motor Performance Data

Record # 85840

Typical performance - not guaranteed values

Winding: 36WGQ036-R001			Type: 3636M		Enclosure: OPSB	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		2	Full Load Torque		8.95 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		6.8/3.4	Breakdown Torque		33.9 LB-FT	
R.P.M.		1175	Pull-up Torque		20.3 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		24.7 LB-FT
NEMA Design Code		B	KVA Code		L	Starting Current
Service Factor (S.F.)		1.15	No-load Current		2.25 A	
NEMA Nom. Eff.		87.5	Power Factor		63	Line-line Res. @ 25°C
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load	
S.F. Amps		7.4/3.7			Temp. Rise @ S.F. Load	
					Locked-rotor Power Factor	
					Rotor inertia	
					0.338 lb-ft²	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	43	55	62	68	72	66
Efficiency	77.5	85.3	87.5	87.8	87.4	86.5	87.7
Speed	1194	1187	1181	1173	1166	1156	1169
Line amperes	2.36	2.62	2.99	3.44	3.96	4.55	3.74

ABB Motors and Mechanical Inc.

WINDING # 36WGQ036

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1175 RPM 460 V 3636M

TORQUES (LB-FT): PO=33.9 PU=20.3 LR=24.7 LRA=23.7





