

ABB BALDOR RELIANCE III

Customer information packet

VEM3215T

2HP, 1165RPM, 3PH, 60HZ, 184TC, 3636M, ODP, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	ODP
Frame	184TC
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	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CURUSEEV NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	6.800 A @ 208.0 V 6.800 A @ 230.0 V 3.400 A @ 460.0 V
Design Code	B
Drip Cover	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Drip Cover Mounting
Front Shaft Indicator	None

Part Detail

Revision	K
Type	AC
Mech. spec.	36Q489
Base	
Status	PRD/A
Elec. spec.	36WGS947
Layout	36LYQ489
Eff. date	03-05-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	05-05-2015

Heater Indicator	No Heater
High Voltage Full Load Amps	3.4 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
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	18.03 IN
Power Factor	63
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1165 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.	VEM3215T										
SPEC.	36Q489S947G1										
HP	2										
VOLTS	230/460										
AMPS	6.8/3.4										
R.P.M.	1165										
FRAME	184TC	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	ODP	SN									
USABLE AT	50HZ 2HP 190/380V 7.8/3.9A										SF1.0

AC Induction Motor Performance Data

Record # 53374

Typical performance - not guaranteed values

Winding: 36WGS947-R006			Type: 3636M		Enclosure: OPSB	
Nameplate Data				460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		2		Full Load Torque		9.01 LB-FT
Volts		230/460		Start Configuration		direct on line
Full Load Amps		6.8/3.4		Breakdown Torque		35.3 LB-FT
R.P.M.		1165		Pull-up Torque		19.7 LB-FT
Hz		60 Phase		Locked-rotor Torque		25.1 LB-FT
NEMA Design Code		B KVA Code		Starting Current		23.9 A
Service Factor (S.F.)		1.15		No-load Current		2.26 A
NEMA Nom. Eff.		87.5 Power Factor		Line-line Res. @ 25°C		4.9075 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		24°C
S.F. Amps				Temp. Rise @ S.F. Load		28°C

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	43	55	62	68	72	66
Efficiency	77.9	85.5	87.6	88	87.6	86.8	87.8
Speed	1193.3	1187	1180.2	1173.2	1165.2	1155.9	1168
Line amperes	2.37	2.62	2.99	3.43	3.96	4.54	3.75

ABB Motors and Mechanical Inc.

WINDING # 36WGS947

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1165 RPM 460 V 3636M

TORQUES (LB-FT) : PO=35.3 PU=19.7 LR=25.1 LRA=23.9



