

ABB BALDOR RELIANCE III

Customer information packet

ECTM3667T-G

1.5HP, 1170RPM, 3PH, 60HZ, 182T, 0630M, TEFC, F

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	1.500 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	CSA EEV NEMA PREMIUM NEMA_PREMIUM 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	5.200 A @ 208.0 V 5.000 A @ 230.0 V 2.500 A @ 460.0 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

Part Detail

Revision	D
Type	AC
Mech. spec.	06J518
Base	
Status	PRD/A
Elec. spec.	06WGW969
Layout	06LYJ518
Eff. date	03-05-2026
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	04-20-2022

Heater Indicator	Heater Included, 115 V
High Voltage Full Load Amps	2.5 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0630M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	15.93 IN
Power Factor	65
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1170 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

NP1260											
CAT.NO.	ECTM3667T-G										
SPEC.	06J518W969G1										
HP	1.5										
VOLTS	230/460										
AMP	5/2.5										
RPM	1170										
FRAME	182T	HZ		60	PH		3				
SER.F.	1.15	CODE		K	DES		B	CL		F	
NEMA-NOM-EFF	87.5	PF		65							
RATING	40C AMB-CONT										
CC											
DE	6206	ODE		6205							
ENCL	TEFC	SN									
	INV DUTY 20:1 VT										

AC Induction Motor Performance Data

Record # 31767

Typical performance - not guaranteed values

Winding: 06WGW969-R001			Type: 0630M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		6.77 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		5.0/2.5		Breakdown Torque		24 LB-FT	
R.P.M.		1170		Pull-up Torque		12.5 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		15.8 LB-FT	
NEMA Design Code		B	KVA Code	K		Starting Current	16.19 A
Service Factor (S.F.)		1.15		No-load Current		1.63 A	
NEMA Nom. Eff.		87.5	Power Factor	65		Line-line Res. @ 25°C	7.34 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		26°C	
S.F. Amps				Temp. Rise @ S.F. Load		32°C	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	27	44	56	65	69	73	67
Efficiency	76.9	85	87.1	87.6	87	86	87.2
Speed	1193.7	1186.9	1179.4	1171.7	1163.1	1152.9	1167
Line amperes	1.7	1.9	2.18	2.51	2.92	3.38	2.76

ABB Motors and Mechanical Inc.

WINDING # 06WGW969

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1170 RPM 460 V 0630M

TORQUES (LB-FT): PO=24 PU=12.5 LR=15.8 LRA=16.19





