

ABB BALDOR RELIANCE III

Customer information packet

EGDM3661T

3HP, 1755RPM, 3PH, 60HZ, 182TZ, 0632M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182TZ
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	208.0 V @ 60 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA CSA EEV
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	8.600 A @ 208.0 V 8.200 A @ 230.0 V 4.100 A @ 460.0 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 Face Code	Standard

Part Detail

Revision	B
Type	AC
Mech. spec.	06K575
Base	
Status	PRD/A
Elec. spec.	06WGX181
Layout	06LYK575
Eff. date	11-27-2024
CD Diagram	CD0005
Poles	04
Leads	9#16 72" LONG Y
Proprietary	False
Created date	05-19-2015

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	4.1 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No 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	0632M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.42 IN
Power Factor	77
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 Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1755 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

NP3126L									
CAT.NO.	EGDM3661T								
SPEC.	06K575X181G1								
HP	3								
VOLTS	208-230/460								
AMP	8.6-8.2/4.1								
RPM	1755								
FRAME	182TZ		HZ	60			PH	3	
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	89.5	PF	77						
RATING	40C AMB-CONT								
CC	010A								
DE	6206		ODE	6205					
ENCL	TEFC	SN							

AC Induction Motor Performance Data

Record # 31659

Typical performance - not guaranteed values

Winding: 06WGX181-R001			Type: 0632M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		3	Full Load Torque		9.084 LB-FT	
Volts		208-230/460	Start Configuration		direct on line	
Full Load Amps		8.6-8.2/4.1	Breakdown Torque		33.1 LB-FT	
R.P.M.		1755	Pull-up Torque		18.2 LB-FT	
Hz		60 Phase	Locked-rotor Torque		20.4 LB-FT	
NEMA Design Code		B	KVA Code		J	
Starting Current		29.8 A	No-load Current		2.14 A	
Service Factor (S.F.)		1.15	Line-line Res. @ 25°C		3.92 Ω	
NEMA Nom. Eff.		89.5	Power Factor		77	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		35°C	
S.F. Amps			Temp. Rise @ S.F. Load		42°C	
			Locked-rotor Power Factor		41	
			Rotor inertia		0.298 LB-FT2	

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	58	70	77	81	83	79
Efficiency	83.6	88.9	90.1	89.9	89.1	87.8	89.4
Speed	1789.5	1779.3	1768.8	1757	1744.4	1730	1749
Line amperes	2.34	2.79	3.39	4.1	4.91	5.86	4.59

ABB Motors and Mechanical Inc.

WINDING # 06WGX181

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1755 RPM 460 V 0632M

TORQUES (LB-FT): PO=33.1 PU=18.2 LR=20.4 LRA=29.8





