

ABB BALDOR RELIANCE III

Customer information packet OF3407T

7.5HP, 1125RPM, 3PH, 60HZ, 254T, 0932M, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	OPEN
Frame	254T
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	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	796.0 V @ 60 HZ 460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CSA 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	7.200 A @ 796.0 V 25.000 A @ 230.0 V 12.500 A @ 460.0 V
Design Code	D
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part Detail

Revision	AE
Type	AC
Mech. spec.	09G79
Base	
Status	INA/A
Elec. spec.	09WGY173
Layout	09LYG079
Eff. date	03-09-2021
CD Diagram	CD0321
Poles	06
Leads	12#12 ML4400B12 Y
Proprietary	False
Created date	01-01-0001

Heater Indicator	No Heater
High Voltage Full Load Amps	7.2 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0932M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	20.64 IN
Power Factor	67
Product Family	Oil Field Pump Motors(Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	Included
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1125 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
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Nameplate

NP2961E									
CAT.NO.									
SPEC.	09G079Y173								
HP	7.5								
VOLTS	230/460/796								
AMP	25/12.5/7.2								
RPM	1125								
FRAME	254T		HZ	60		PH	3		
SER.F.	1.15		CODE	H		DES	D		CLASS F
NEMA-NOM-EFF	84		PF	67					
RATING	40C AMB-CONT								
CC						USABLE AT 208V			N/A
DE	6309		ODE	6208					
ENCL	OPEN		SN						

NP0090E	
FRONT	6208
PULLEY	6309
LUBRICATE WITH	
GREASE	POLYREX EM

AC Induction Motor Performance Data

Record # 1884

Typical performance - not guaranteed values

Winding: 09WGY173-R001			Type: 0932M		Enclosure: OPEN	
Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection		
Rated Output (HP)		7.5		Full Load Torque		34.3 LB-FT
Volts		230/460/796		Start Configuration		direct on line
Full Load Amps		25/12.5/7.2		Breakdown Torque		107 LB-FT
R.P.M.		1125		Pull-up Torque		78 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		91 LB-FT
NEMA Design Code		D	KVA Code	Starting Current		64.7 A
Service Factor (S.F.)		1.15		No-load Current		8.44 A
NEMA Nom. Eff.		84	Power Factor	Line-line Res. @ 25°C		1.15 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		61°C
S.F. Amps				Temp. Rise @ S.F. Load		77°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	24	43	57	64	70	73	68
Efficiency	73.6	83.5	85.3	84.9	83.3	81.1	83.9
Speed	1186	1170	1152	1135	1112	1087	1121
Line amperes	8.68	9.61	11	12.7	15.1	17.7	14.14

ABB Motors and Mechanical Inc.

WINDING # 09WGY173

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 1125 RPM 460 V 0932M

TORQUES (LB-FT) : PO=107 PU=78 LR=91 LRA=64.7





