

ABB BALDOR RELIANCE III

Customer information packet OF2276T

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

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
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	7.500 A @ 796.0 V 25.800 A @ 230.0 V 12.900 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	AL
Type	AC
Mech. spec.	09F945
Base	
Status	INA/A
Elec. spec.	09WGY655
Layout	09LYF945
Eff. date	04-21-2023
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	7.5 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	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	23.55 IN
Power Factor	67
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
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	Shaft 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

Nameplate

NP2960									
CAT.NO.									
SPEC.	09F945Y655								
HP	7.5								
VOLTS	230/460/796								
AMP	25.8/12.9/7.5								
RPM	1125								
FRAME	254T		HZ	60		PH	3		
SER.F.	1.15	CODE	H	DES	D	CL	F		
NEMA-NOM-EFF	84	PF	67						
RATING	40C AMB-CONT								
CC				USABLE AT 208V			N/A		
DE	6309	ODE	6208						
ENCL	TEFC	SN							

NP0090	
FRONT	6208
PULLEY	6309
LUBRICATE WITH	
GREASE	POLYREX EM

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 26092

Typical performance - not guaranteed values

Winding: 09WGY655-R001			Type: 0932M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: 2nd Voltage Connection		
Rated Output (HP)		7.5		Full Load Torque		34.6 LB-FT
Volts		230/460/796		Start Configuration		direct on line
Full Load Amps		25/12.5/7.4		Breakdown Torque		148 LB-FT
R.P.M.		1125		Pull-up Torque		101 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		114 LB-FT
NEMA Design Code		D	KVA Code	Starting Current		66 A
Service Factor (S.F.)		1.15		No-load Current		8.67 A
NEMA Nom. Eff.	84	Power Factor	67	Line-line Res. @ 25°C		1.11 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		70°C
S.F. Amps				Temp. Rise @ S.F. Load		85°C

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	45	57	65	71	74	69
Efficiency	70.7	79.9	82.6	82.8	81.7	79.8	82.1
Speed	1185	1171	1154	1135	1114	1089	1122
Line amperes	8.83	9.74	11.1	12.9	15.2	17.8	14.3

ABB Motors and Mechanical Inc.

WINDING # 09WGY655

Typical performance - not guaranteed values.

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

TORQUES (LB-FT): PO=148 PU=101 LR=114 LRA=66





