

ABB BALDOR RELIANCE III

Customer information packet OF2332T

10HP, 1125RPM, 3PH, 60HZ, 256T, 0942M, TEFC, F2

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	256T
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	10.000 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	9.000 A @ 796.0 V 31.000 A @ 230.0 V 15.500 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	AM
Type	AC
Mech. spec.	09F945
Base	
Status	INA/A
Elec. spec.	09WGY172
Layout	09LYF945
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	9.0 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	0942M
Mounting Arrangement	F2
Number of Poles	6
Overall Length	23.55 IN
Power Factor	72
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

NP2960E									
CAT.NO.									
SPEC.	09F945Y172G1								
HP	10								
VOLTS	230/460/796								
AMP	31/15.5/9								
RPM	1125								
FRAME	256T		HZ	60		PH	3		
SER.F.	1.15	CODE	H	DES	D	CL	F		
NEMA-NOM-EFF	84	PF	72						
RATING	40C AMB-CONT								
CC				USABLE AT 208V			N/A		
DE	6309	ODE	6208						
ENCL	TEFC	SN							

NP0090E	
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 # 1883

Typical performance - not guaranteed values

Winding: 09WGY172-R002			Type: 0942M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: 2nd Voltage Connection					
Rated Output (HP)		10	Full Load Torque		46.8 LB-FT			
Volts		230/460/796	Start Configuration		direct on line			
Full Load Amps		31/15.5/9	Breakdown Torque		145 LB-FT			
R.P.M.		1125	Pull-up Torque		108 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		122 LB-FT		
NEMA Design Code		D	KVA Code	H	Starting Current		79.6 A	
Service Factor (S.F.)		1.15	No-load Current		8.92 A			
NEMA Nom. Eff.		84	Power Factor		72	Line-line Res. @ 25°C		0.821 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		83°C	
S.F. Amps			Temp. Rise @ S.F. Load		104°C			

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	51	63	71	75	77	73
Efficiency	77.7	84.9	85.9	84.8	82.6	79.4	83.5
Speed	1183	1164	1146	1121	1093	1059	1104
Line amperes	9.4	10.8	12.7	15.6	18.9	23	17.58

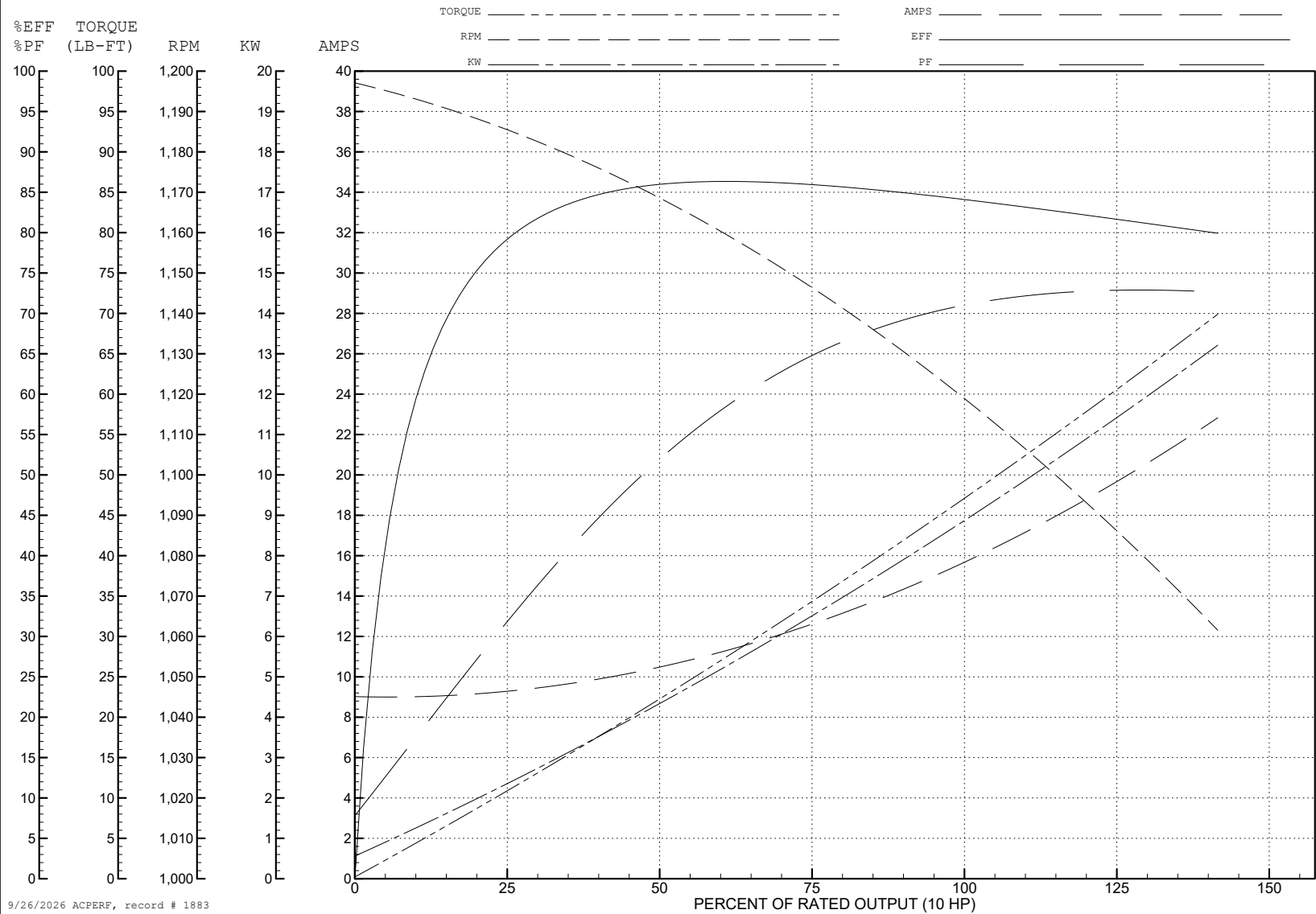
ABB Motors and Mechanical Inc.

WINDING # 09WGY172

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1125 RPM 460 V 0942M

TORQUES (LB-FT): PO=145 PU=108 LR=122 LRA=79.6



9/26/2026 ACPERF, record # 1883

