

ABB BALDOR RELIANCE III

Customer information packet

ECP2332T

10HP, 1180RPM, 3PH, 60HZ, 256T, 0960M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	256T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	CCSA US 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
Constant Torque Speed Range	1.0
Current @ Voltage	30.000 A @ 208.0 V 28.400 A @ 230.0 V 14.200 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	BA
Type	AC
Mech. spec.	09J371
Base	
Status	PRD/A
Elec. spec.	09WGX826
Layout	09LYJ371
Eff. date	09-16-2025
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	08-29-2010

Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	14.2 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	24.78 IN
Power Factor	72
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
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	1180 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
NP3995ABEL

CAT #		ECP2332T					SER				CC		010A						
SPEC		09J371X826					RATING		40C AMB-CONT										
HZ		VOLTS			AMPS			RPM		HP	CODE		SF	DES	PF	NEMA NOM. EFF			
60		230/460			28.4/14.2			1180		10	J		1.15	A	72	%	91	%	
															%		%		
PH	3	CL	F	MAX RPM		1800		MAX CORR KVAR		5.21		USABLE AT 208V				N/A			
IP55		FR	256T		ENCL	TEFC		DE BRG		6309		ODE BRG		6309					
GREASE		POLYREX EM										MTR WT		348	LBS				
USABLE AT		50HZ 7.5HP 190/380V 26.4/13.2A										SF1.0							
CL I DIV 2 GRPS A,B,C,D								CL I ZONE 2 GRPS				IIA,IIB,IIC				TEMP T		160	C
1.0 SF ON PWM INVERTER						POWER		INV TEMP CL		180		C							
CHP	60-90		HZ	1.5:1	CT	1.0-60		HZ	60:1		VT	0-60		HZ	1000:1				
SPACE HEATER LEADS H1-H2:						TIE LIKE NUMBERS				TOGETHER									
V			A			W			MAX SPACE HEATER TEMP										

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 47262

Typical performance - not guaranteed values

Winding: 09WGX826-R026			Type: 0960M		Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		10	Full Load Torque		44.4 LB-FT	
Volts		230/460	Start Configuration		direct on line	
Full Load Amps		28.4/14.2	Breakdown Torque		144 LB-FT	
R.P.M.		1180	Pull-up Torque		54.6 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque		75 LB-FT	
NEMA Design Code		A	KVA Code		J	
Service Factor (S.F.)		1.15	Starting Current		93 A	
NEMA Nom. Eff.		91	Power Factor		72	
Rating - Duty		40C AMB-CONT	Line-line Res. @ 25°C		0.676 Ω	
S.F. Amps			Temp. Rise @ Rated Load		44°C	
			Temp. Rise @ S.F. Load		58°C	
			Locked-rotor Power Factor		24.9	
			Rotor inertia		4.82 LB-FT2	

Load Characteristics 460 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	66	72	74	76	73
Efficiency	84.4	90.2	91.6	91.6	91.2	90.3	91.4
Speed	1196	1191	1186	1181	1175	1168	1177
Line amperes	8	9.39	11.57	14.2	17.24	20.55	16.02

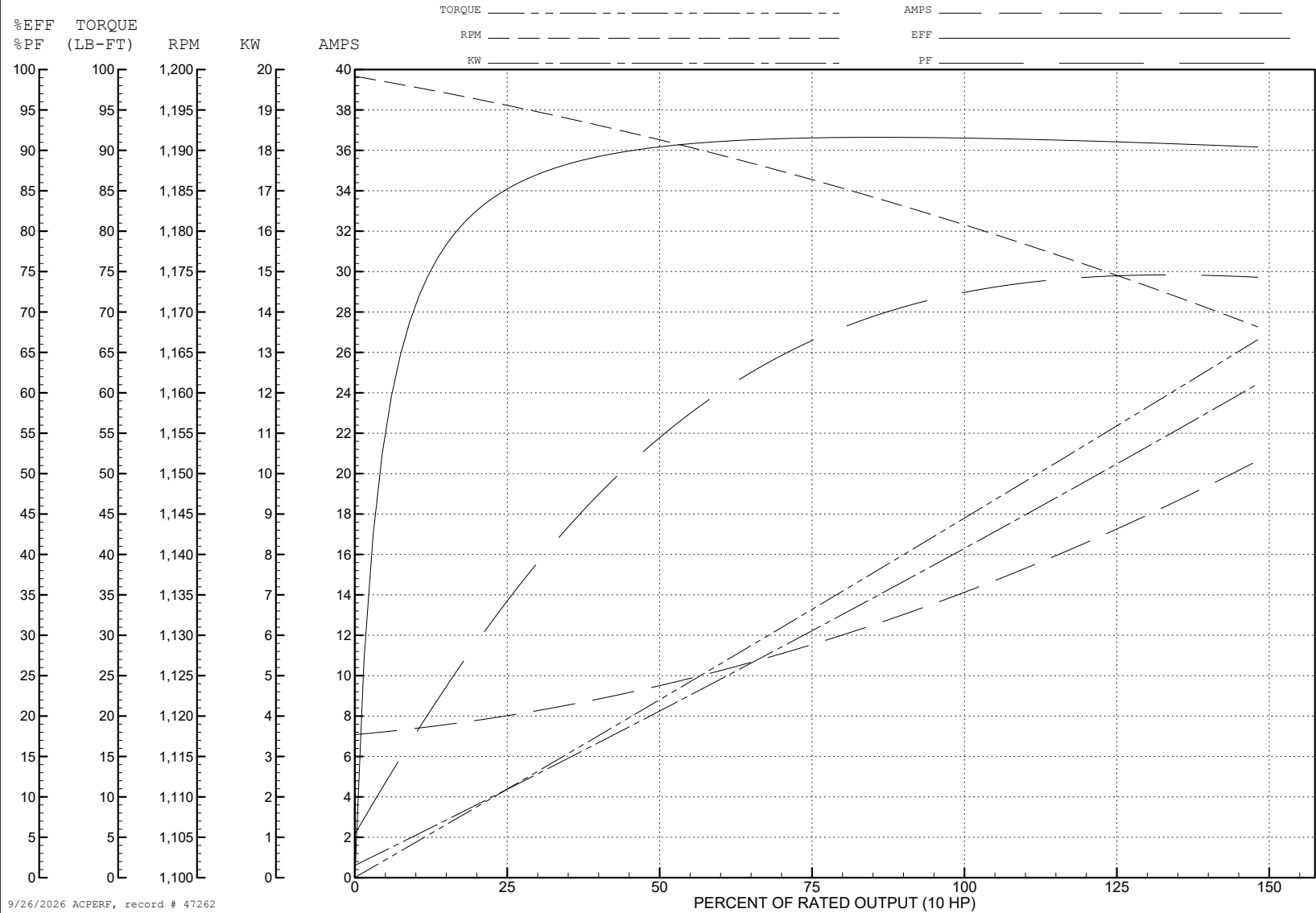
ABB Motors and Mechanical Inc.

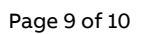
WINDING # 09WGX826

Typical performance - not guaranteed values.

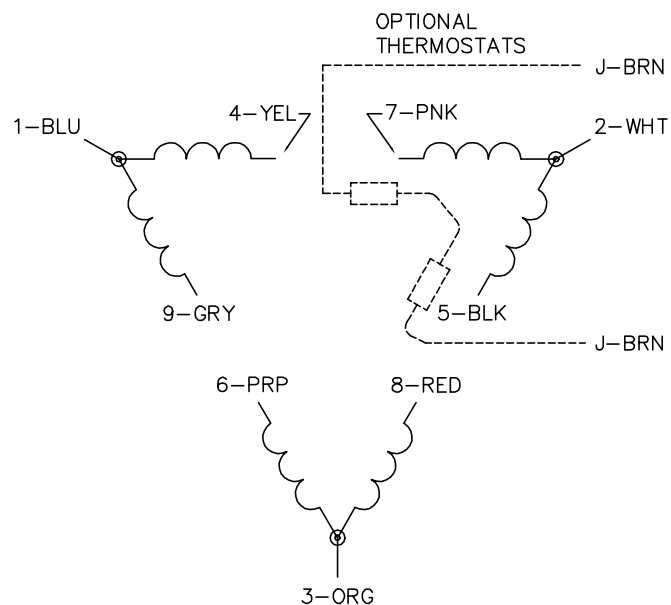
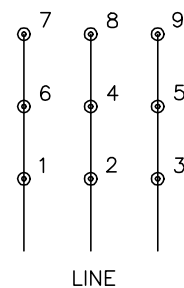
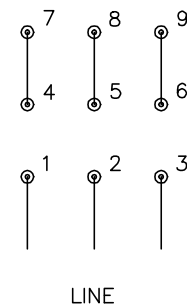
10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

TORQUES (LB-FT): PO=144 PU=54.6 LR=75 LRA=93





CD0180


LOW VOLTAGE
(2D)

HIGH VOLTAGE
(1D)

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADD CLASS CONN00000007

REV. LTR: D

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\148

REVISED: 10: 25: 29 02/19/2019

BY: ENBRIRO

MTL: —


BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1

CD0180