ABB BALDOR RELIANCE

Customer information packet

VECP2332T

10HP, 1180RPM, 3PH, 60HZ, 256TC, 0960M, TEFC, F
Class - CLI GP A,B,C,D
Division - Division II

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Specifications

Enclosure	TEFC
Frame	256TC
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	No Mounting
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	Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	AW
Type	AC
Mech. spec.	09H181
Base	
Status	PRD/A
Elec. spec.	09WGX826
Layout	09LYH181
Eff. date	04-30-2026
CD Diagram	CD0180
Poles	06
Leads	9#12
Proprietary	False
Created date	10-15-2006

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	27.41 IN
Power Factor	72
Product Family	Super-E Chemical Processing
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
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 #	VECP2332T			**SER**				**CC**	010A										
SPEC	09H181X826			**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**	256TC		**ENCL**	TEFC		**DE BRG**	6309			**ODE BRG**	6309						
GREASE	POLYREX EM										**MTR WT**	356	**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**													

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	**Starting Current**	93 A
Service Factor (S.F.)			1.15	**No-load Current**	7.15 A
NEMA Nom. Eff.	91	**Power Factor**	72	**Line-line Res. @ 25ºC**	0.676 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	44°C
S.F. Amps				**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

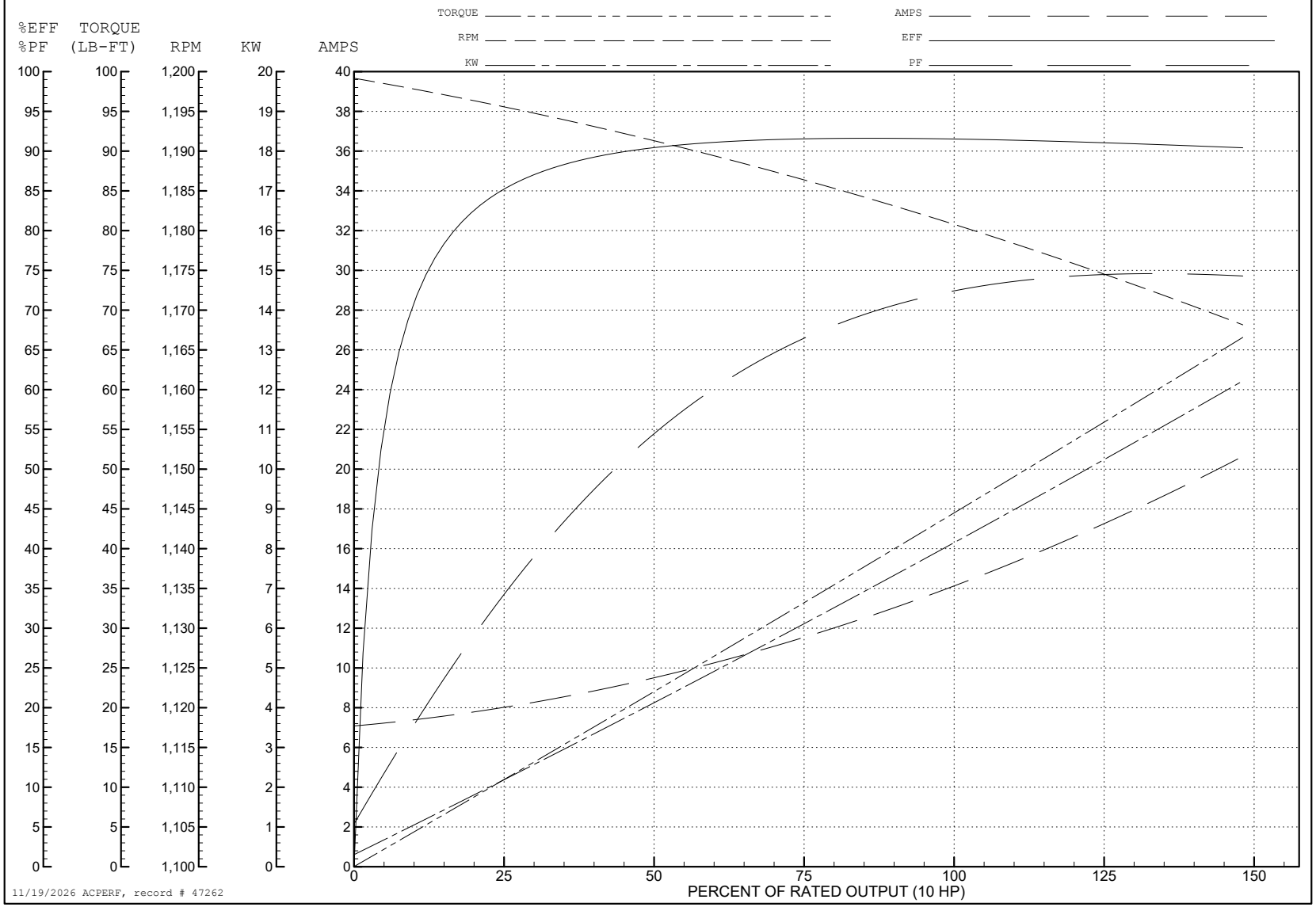
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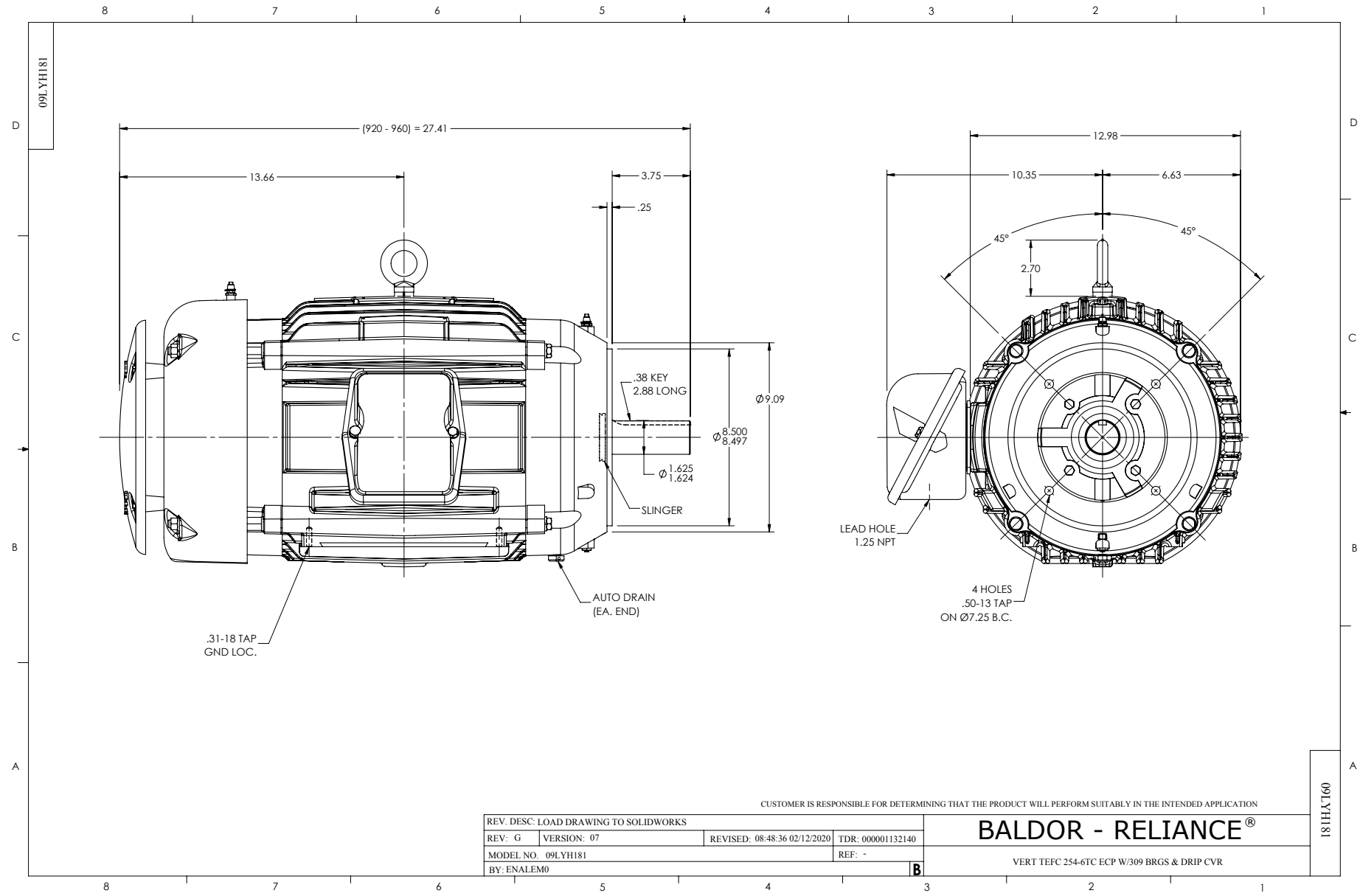
WINDING # 09WGX826

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

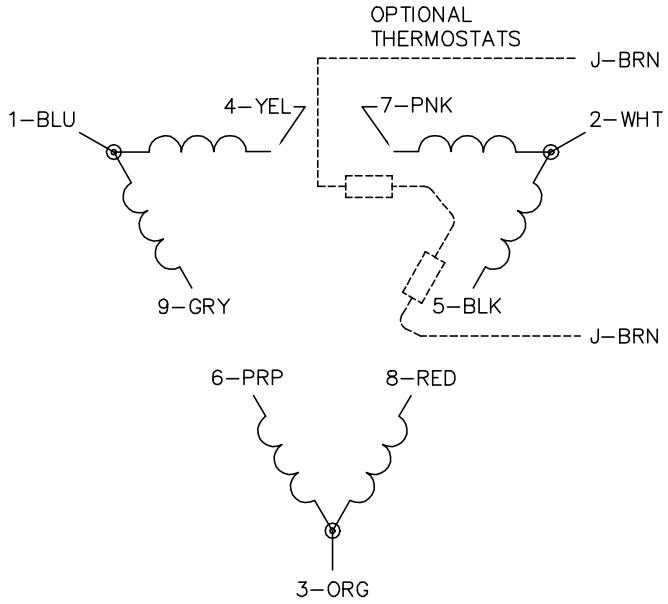
Typical performance - not guaranteed values.

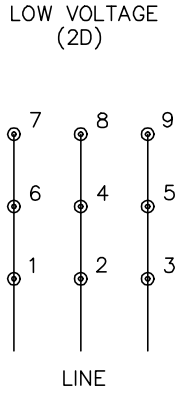
TORQUES(LB-FT): PO=144 PU=54.6 LR=75 LRA=93

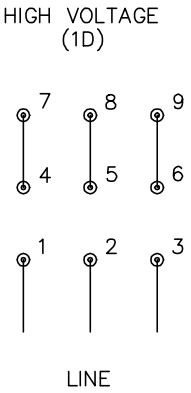



09LYH181
(920 - 960) = 27.41
13.66
3.75
.25
.38 KEY
2.88 LONG
Ø9.09
Ø8.500
8.497
Ø1.625
1.624
SLINGER
.31-18 TAP
GND LOC.
AUTO DRAIN
(EA. END)
12.98
10.35
6.63
45°
45°
2.70
LEAD HOLE
1.25 NPT
4 HOLES
.50-13 TAP
ON Ø7.25 B.C.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOAD DRAWING TO SOLIDWORKS
REV: G
VERSION: 07
REVISED: 08:48:36 02/12/2020
TDR: 000001132140
MODEL NO. 09LYH181
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
VERT TEFC 254-6TC ECP W/309 BRGS & DRIP CVR
09LYH181

CD0180







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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

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