



Customer information packet

CECP2333T-5

15HP, 1765RPM, 3PH, 60HZ, 254TC, 0944M, TEFC, F
Class - CLI GP A,B,C,D
Division - Division II

Specifications

Enclosure	TEFC
Frame	254TC
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	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	1.2
Current @ Voltage	14.600 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	N
Type	AC
Mech. spec.	09H180
Base	
Status	PRD/A
Elec. spec.	09WGT124
Layout	09LYH180
Eff. date	03-26-2024
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	02-23-2017

Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	14.6 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	3 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	25.28 IN
Power Factor	83
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	1765 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

NP3995ABBL

CAT #	CECP2333T-5				SER		CC	010A				
SPEC	09H180T124G1				RATING	40C AMB-CONT						
HZ	VOLTS		AMPS		RPM	HP	CODE	SF	DES	PF	NEMA NOM. EFF	
60	575		14.6		1765	15	H	1.15	A	83 %	92.4 %	
										%	%	
PH	3	CL	F	MAX RPM	2700	MAX CORR KVAR	4.12	USABLE AT 208V		N/A		
	IP55	FR	254TC	ENCL	TEFC	DE BRG	6309	ODE BRG	6309			
GREASE	POLYREX EM				MTR WT	268	LBS					
USABLE AT	N/A											
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	1.2-60	HZ	50:1	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 # 61321

Typical performance - not guaranteed values

Winding: 09WGT124-R008		Type: 0944M		Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	15	Full Load Torque	44.5 LB-FT		
Volts	575	Start Configuration	direct on line		
Full Load Amps	14.6	Breakdown Torque	153 LB-FT		
R.P.M.	1765	Pull-up Torque	69.5 LB-FT		
Hz	60	Locked-rotor Torque	86.5 LB-FT		
NEMA Design Code	A	Starting Current	102 A		
Service Factor (S.F.)	1.15	No-load Current	6.05 A		
NEMA Nom. Eff.	92.4	Line-line Res. @ 25°C	0.874 Ω		
Rating - Duty	40C	Temp. Rise @ Rated Load	54°C		
S.F. Amps	AMB-CONT	Temp. Rise @ S.F. Load	66°C		
		Locked-rotor Power Factor	33		
		Rotor inertia	1.92 LB-FT ²		

Load Characteristics 575 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	45	69	78	83	85	87	86
Efficiency	88.1	92.3	92.6	92.4	91.5	90.5	92.2
Speed	1791	1783	1774	1765	1755	1743	1769
Line amperes	6.9	8.8	11.6	14.6	18.1	21.5	16.3

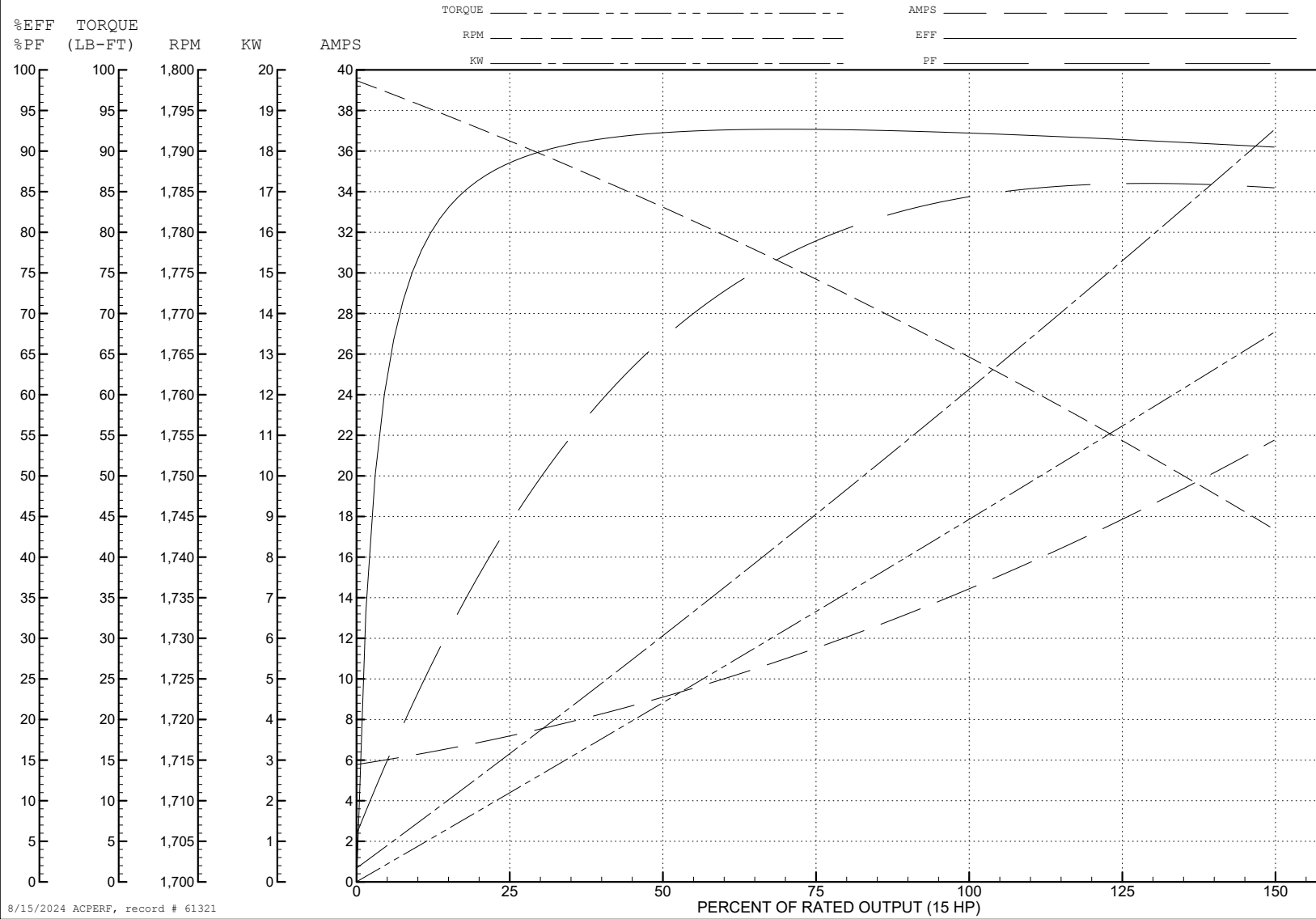
ABB Motors and Mechanical Inc.

WINDING # 09WGT124

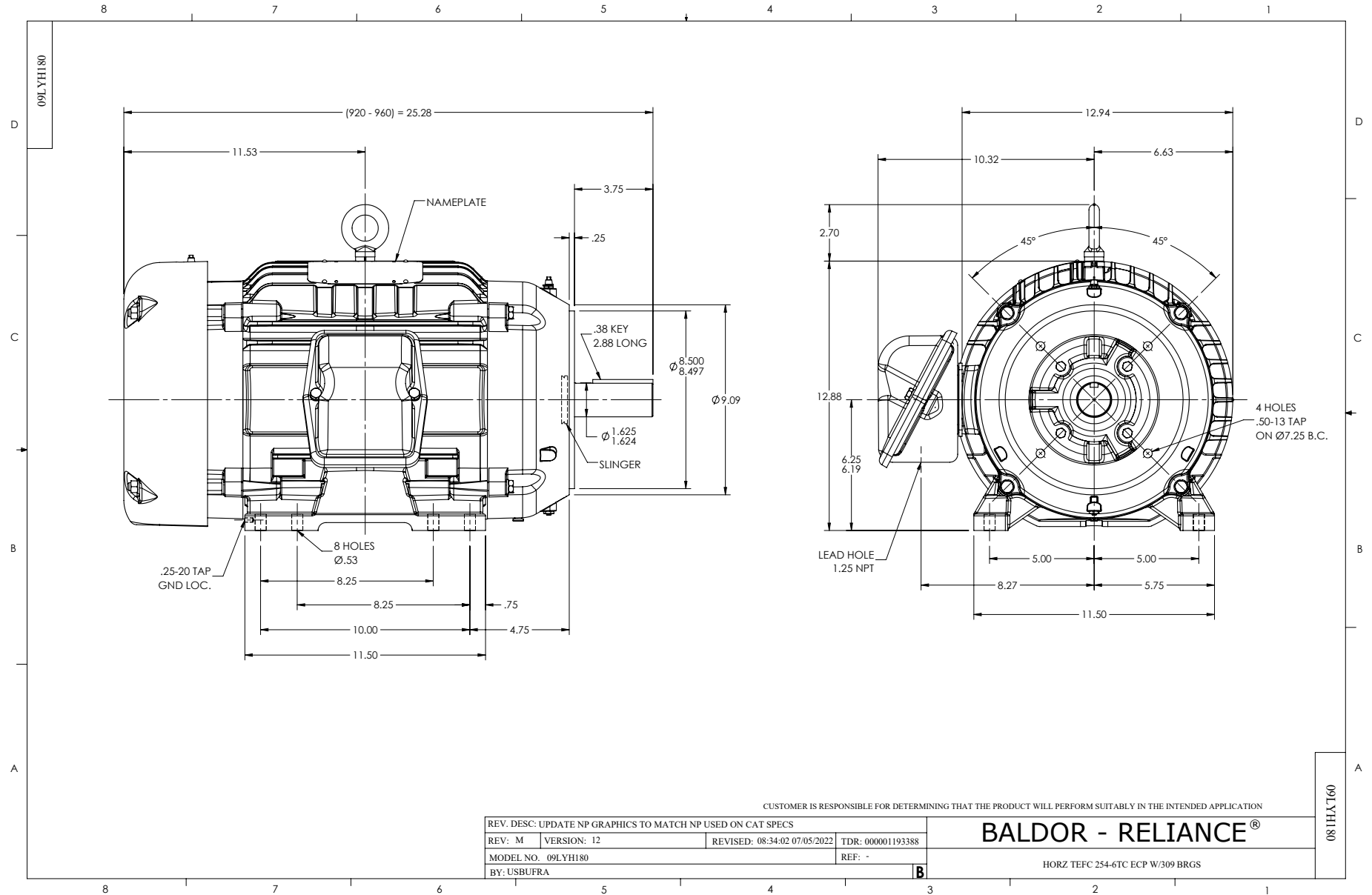
15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

Typical performance - not guaranteed values.

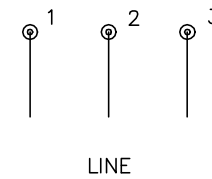
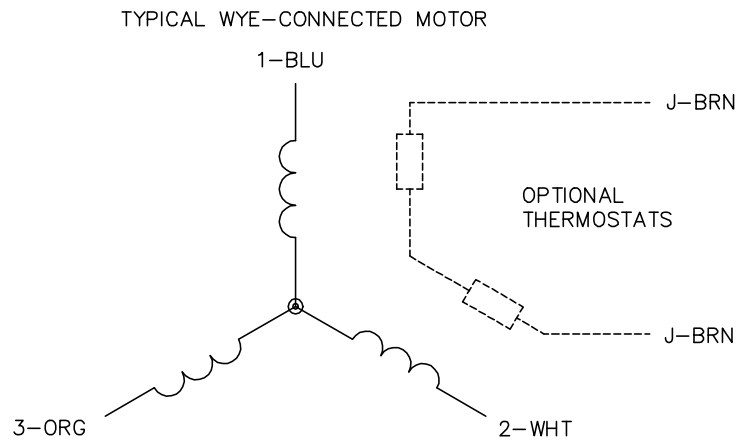
TORQUES (LB-FT): PO=153 PU=69.5 LR=86.5 LRA=102



8/15/2024 ACPERF, record # 61321



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

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MTL: -		© □

BALDOR - RELIANCE®

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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