

ABB BALDOR RELIANCE III

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
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	1.2
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	P
Type	AC
Mech. spec.	09H180
Base	
Status	PRD/A
Elec. spec.	09WGT124
Layout	09LYH180
Eff. date	09-16-2025
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	Phase	3	Locked-rotor Torque		86.5 LB-FT		
NEMA Design Code		A	KVA Code	H		Starting Current		102 A
Service Factor (S.F.)		1.15		No-load Current		6.05 A		
NEMA Nom. Eff.		92.4	Power Factor	83		Line-line Res. @ 25°C		0.874 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		54°C		
S.F. Amps				Temp. Rise @ S.F. Load		66°C		
				Locked-rotor Power Factor		33		
				Rotor inertia		1.92 LB-FT2		

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

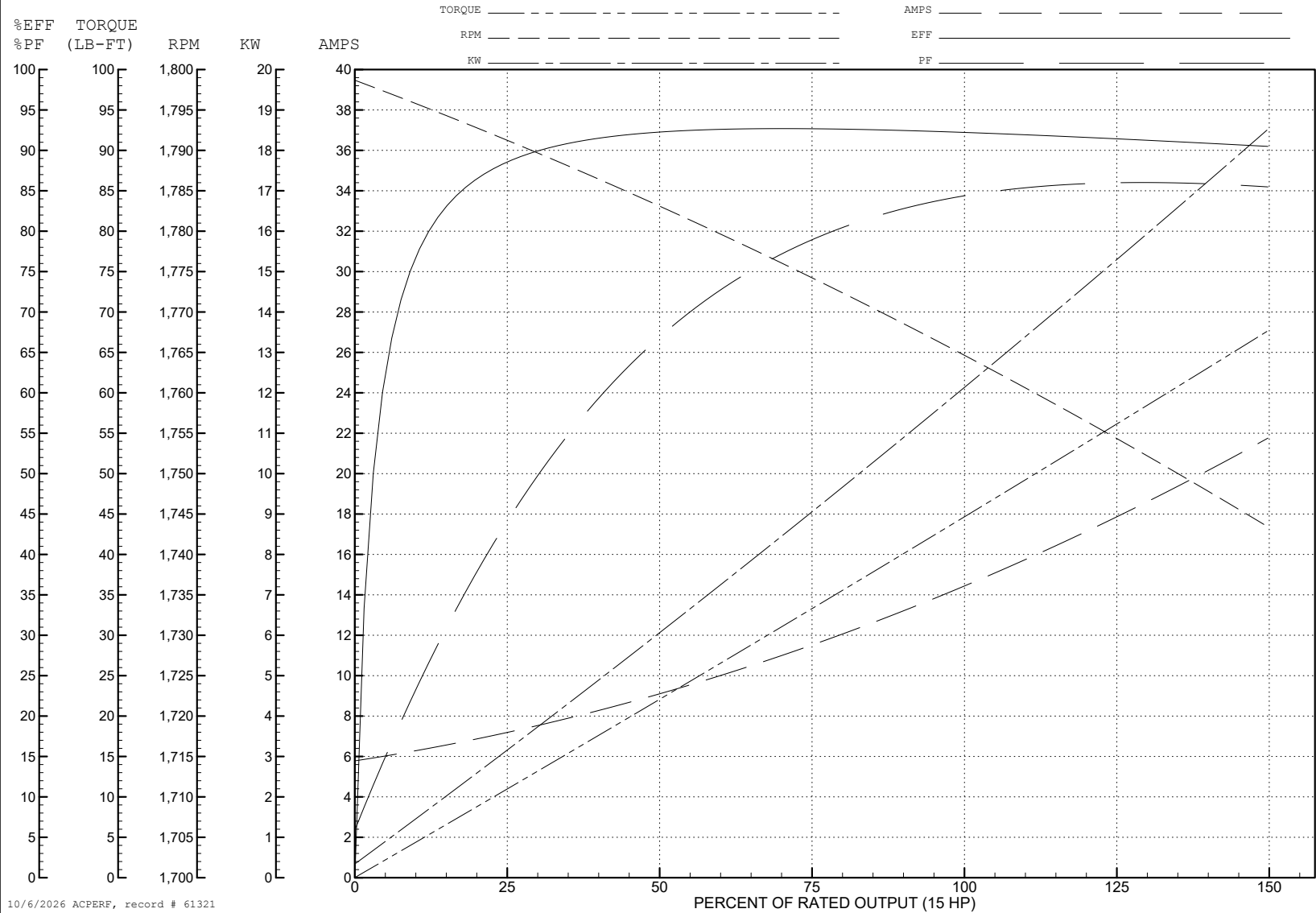
ABB Motors and Mechanical Inc.

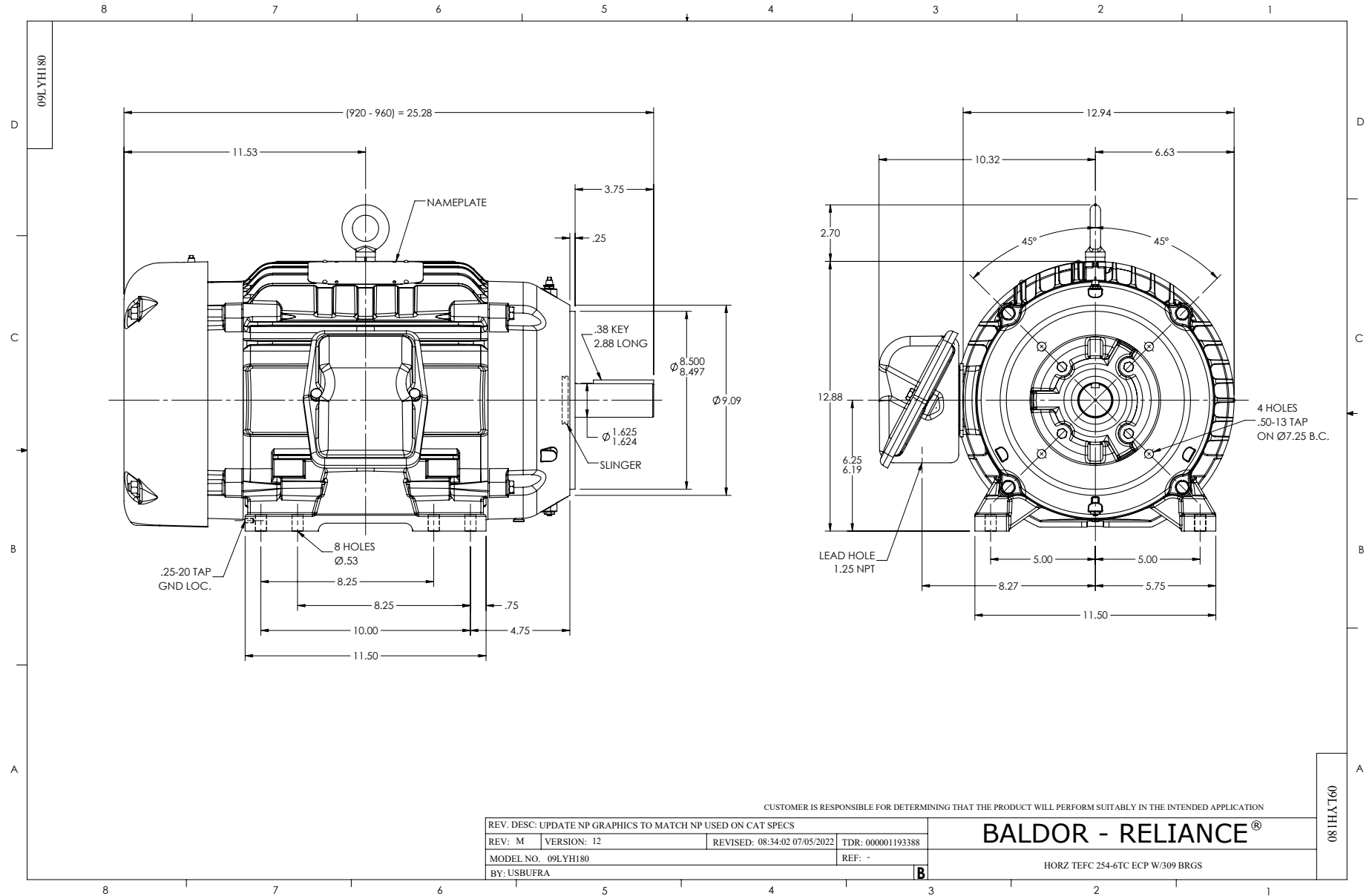
WINDING # 09WGT124

Typical performance - not guaranteed values.

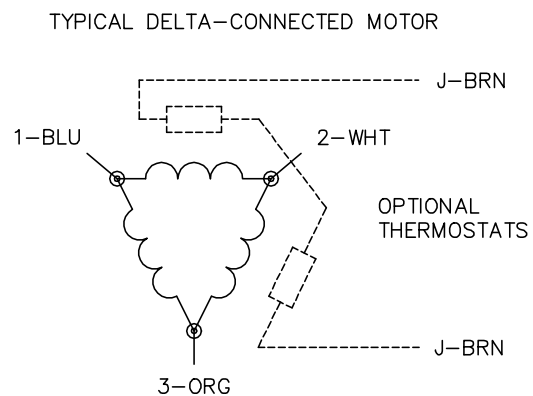
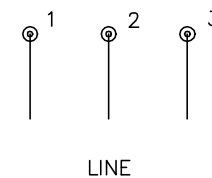
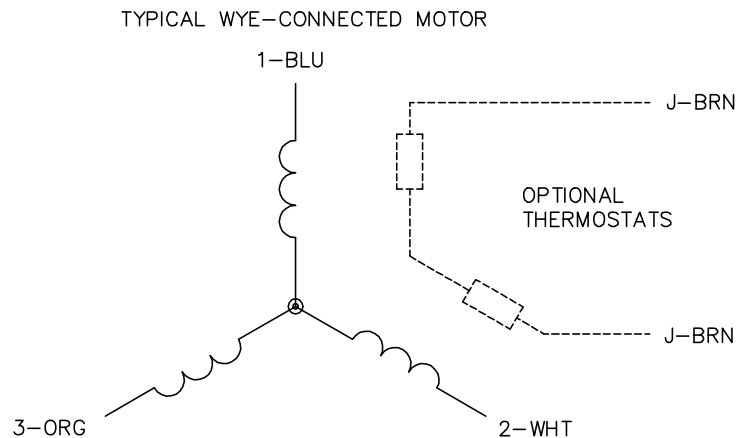
15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

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





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

REV. DESC: ADD CLASS CONN00000007

REV. LTR: E

VERSION: 01

TDR: 000001099922

FILE: \AAA\00005\141

REVISED: 10: 24: 49 02/19/2019

BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

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

SH 1 of 1