



Customer information packet

ECP2333T-5

15HP, 1765RPM, 3PH, 60HZ, 254T, 0944M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I 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	CSA EEV NEMA PREMIUM NEMA_PREMIUM UR CCSA US
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
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	W
Type	AC
Mech. spec.	09J371
Base	
Status	PRD/A
Elec. spec.	09WGT124
Layout	09LYJ371
Eff. date	09-16-2025
CD Diagram	CD0006
Poles	04
Leads	3#12
Proprietary	False
Created date	01-29-2016

Front Shaft Indicator	None
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	24.78 IN
Power Factor	83
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	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

NP3995ABBL																								
CAT #		ECP2333T-5					SER					CC		010A										
SPEC		09J371T124G1					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		254T		ENCL		TEFC		DE BRG		6309		ODE BRG		6309								
GREASE		POLYREX EM												MTR WT		297		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

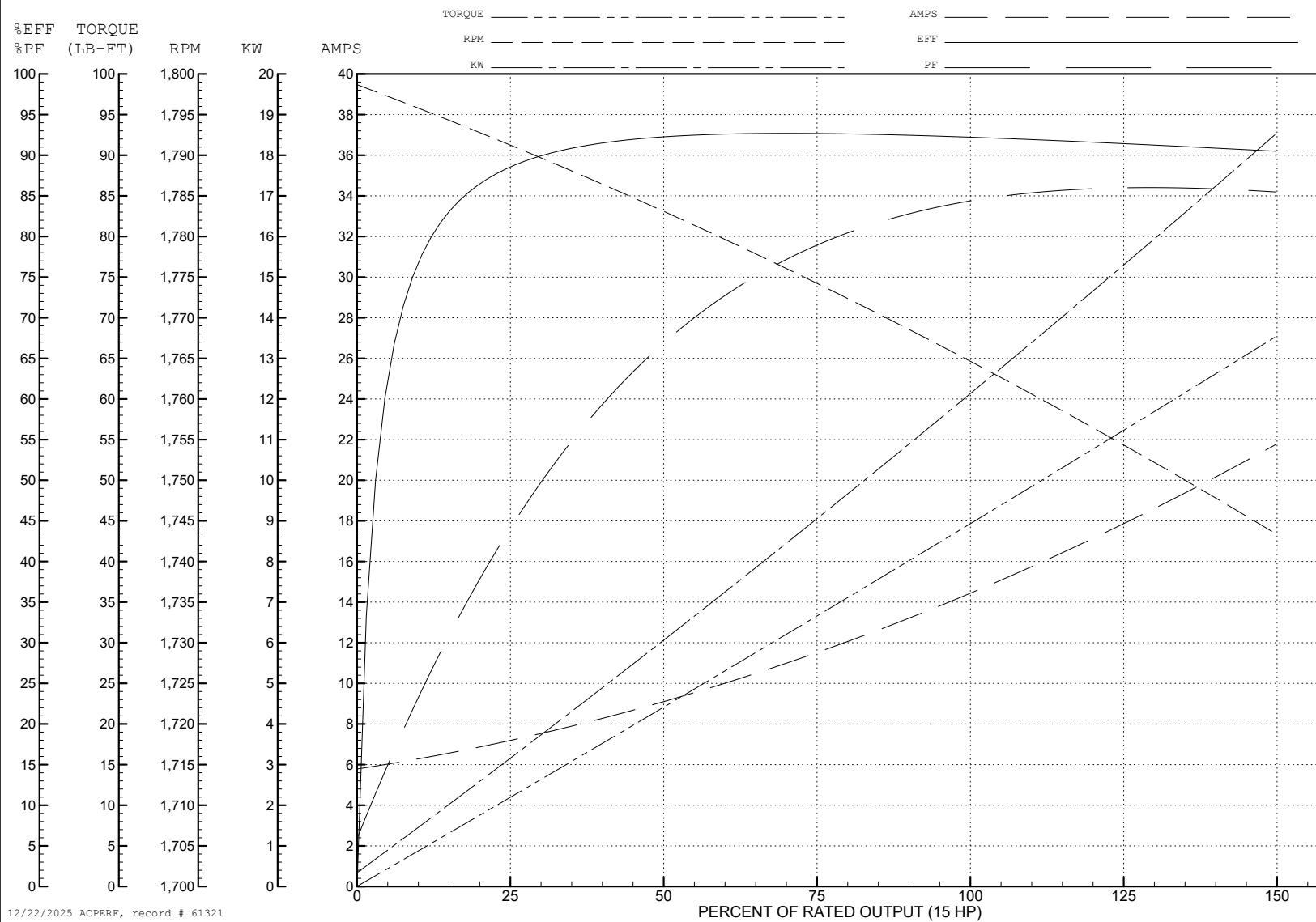
ABB Motors and Mechanical Inc.

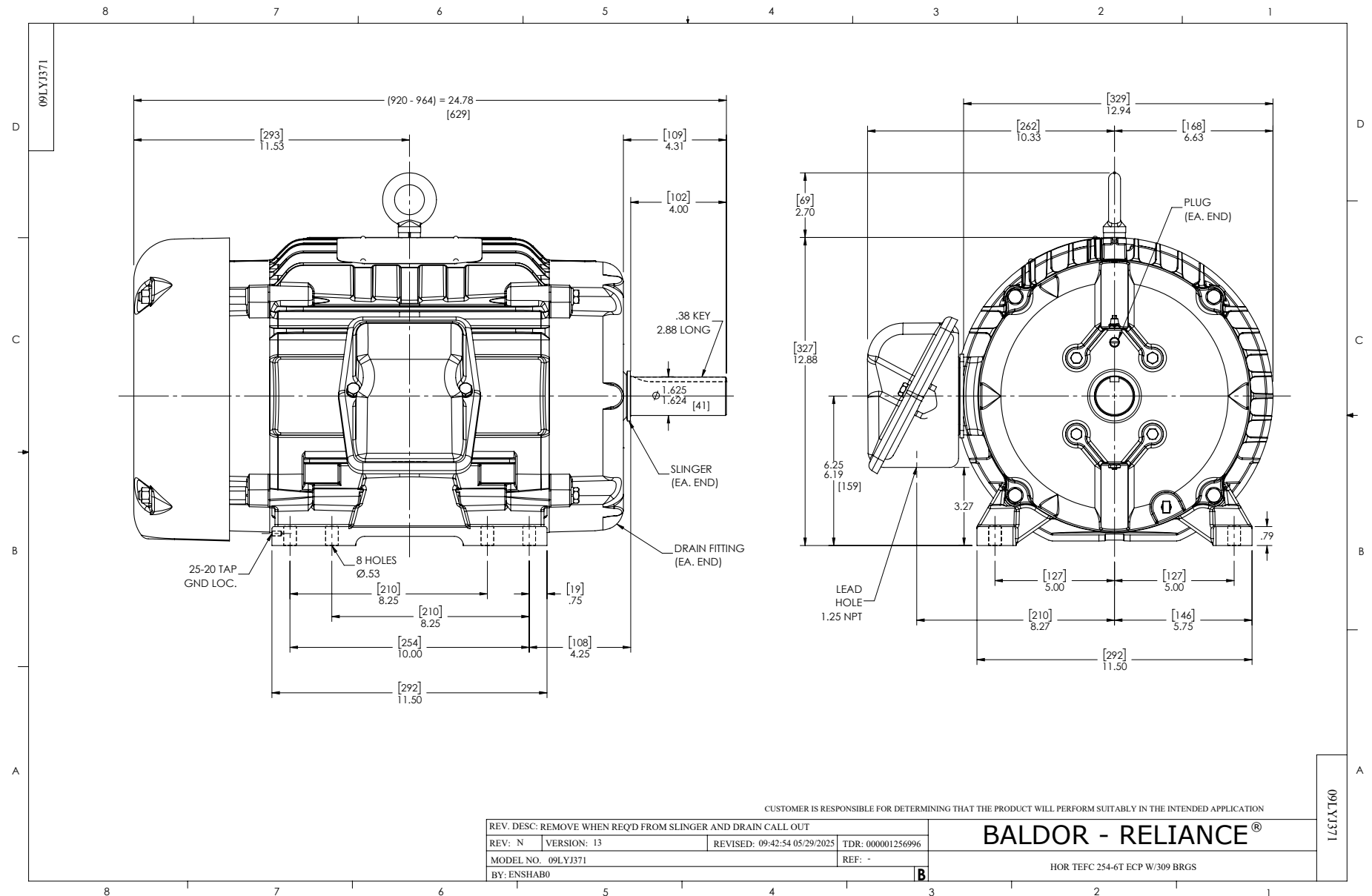
WINDING # 09WGT124

Typical performance - not guaranteed values.

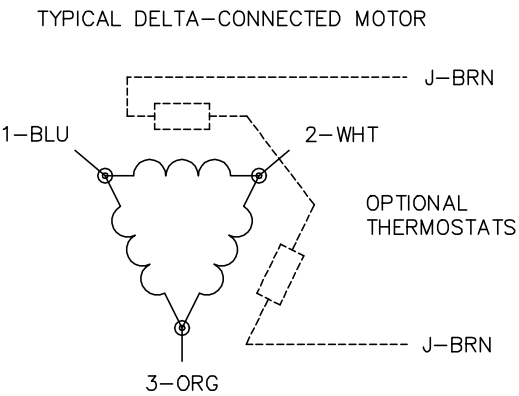
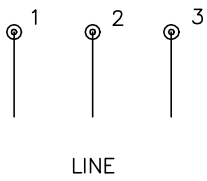
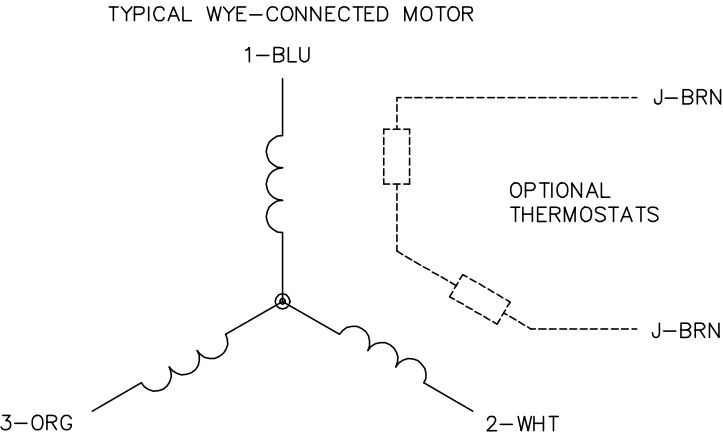
15 HP 3 PH 60 HZ 1765 RPM 575 V 0944M

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

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