



Customer information packet

ECP2332T-4

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	CL I 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
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	1.0
Current @ Voltage	14.200 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	AZ
Type	AC
Mech. spec.	09J371
Base	
Status	PRD/A
Elec. spec.	09WGY257
Layout	09LYJ371
Eff. date	09-16-2025
CD Diagram	CD0006
Poles	06
Leads	3#12
Proprietary	False
Created date	08-29-2010

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	3 @ 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

NP3995ABBL																							
CAT #		ECP2332T-4				SER					CC		010A										
SPEC		09J371Y257				RATING		40C AMB-CONT															
HZ		VOLTS		AMPS		RPM		HP		CODE		SF		DES		PF		NEMA NOM. EFF					
60		460		14.2		1180		10		J		1.15		A		72		% 91.7 %					
PH		3		CL		F		MAX RPM		1800		MAX CORR KVAR		5.2		USABLE AT 208V		N/A					
IP55		FR		256T		ENCL		TEFC		DE BRG		6309		ODE BRG		6309							
GREASE		POLYREX EM								MTR WT		351		LBS									
USABLE AT		50HZ 7.5HP 380V 13.3A								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 # 47270

Typical performance - not guaranteed values

Winding: 09WGY257-R028			Type: 0960M		Enclosure: TEFC		
Nameplate Data				460 V, 60 Hz: Single Voltage Motor			
Rated Output (HP)		10		Full Load Torque		44.4 LB-FT	
Volts		460		Start Configuration		direct on line	
Full Load Amps		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.		91.7	Power Factor	72	Line-line Res. @ 25°C		0.676 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		44°C	
S.F. Amps				Temp. Rise @ S.F. Load		58°C	
				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	91.7	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

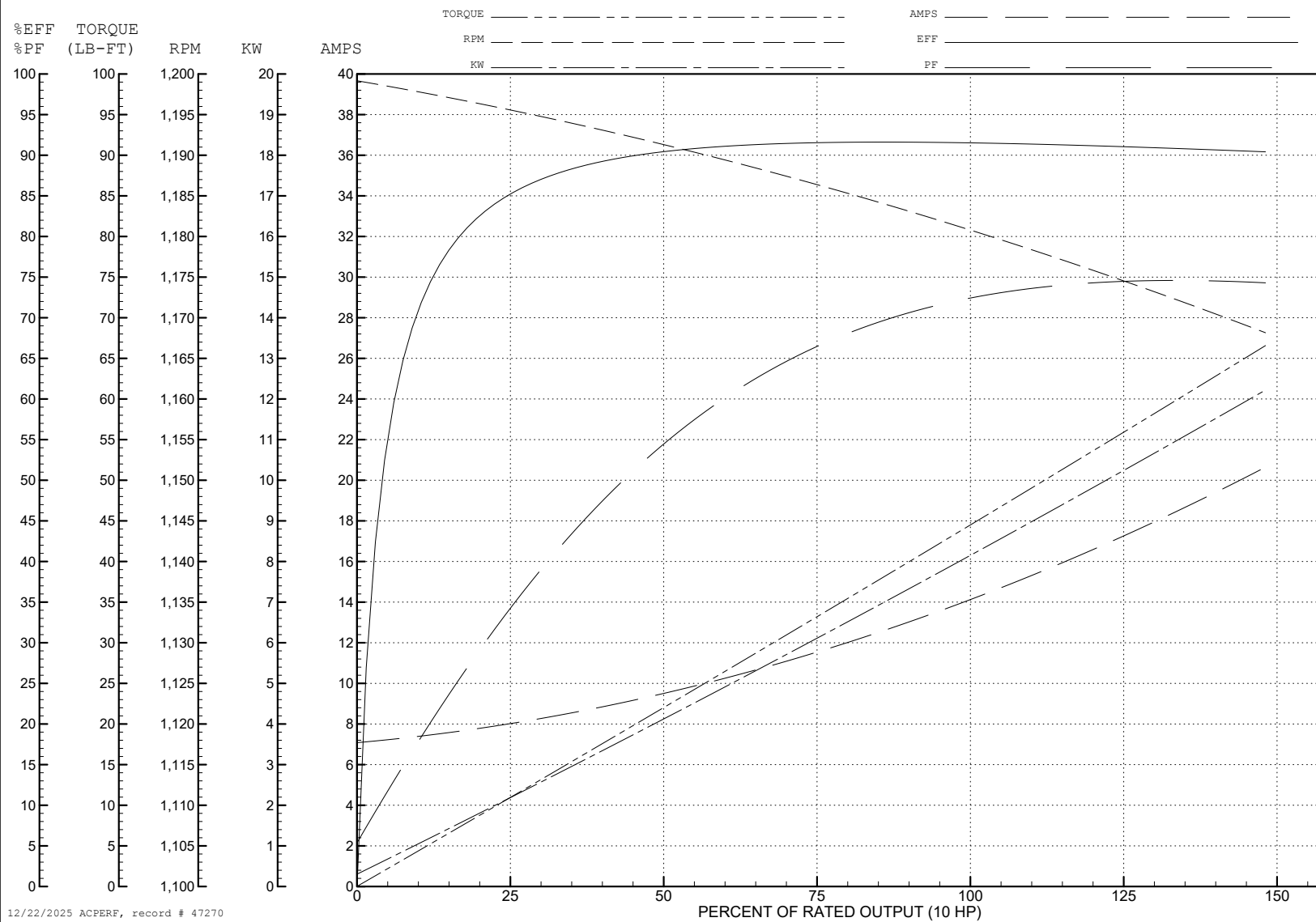
ABB Motors and Mechanical Inc.

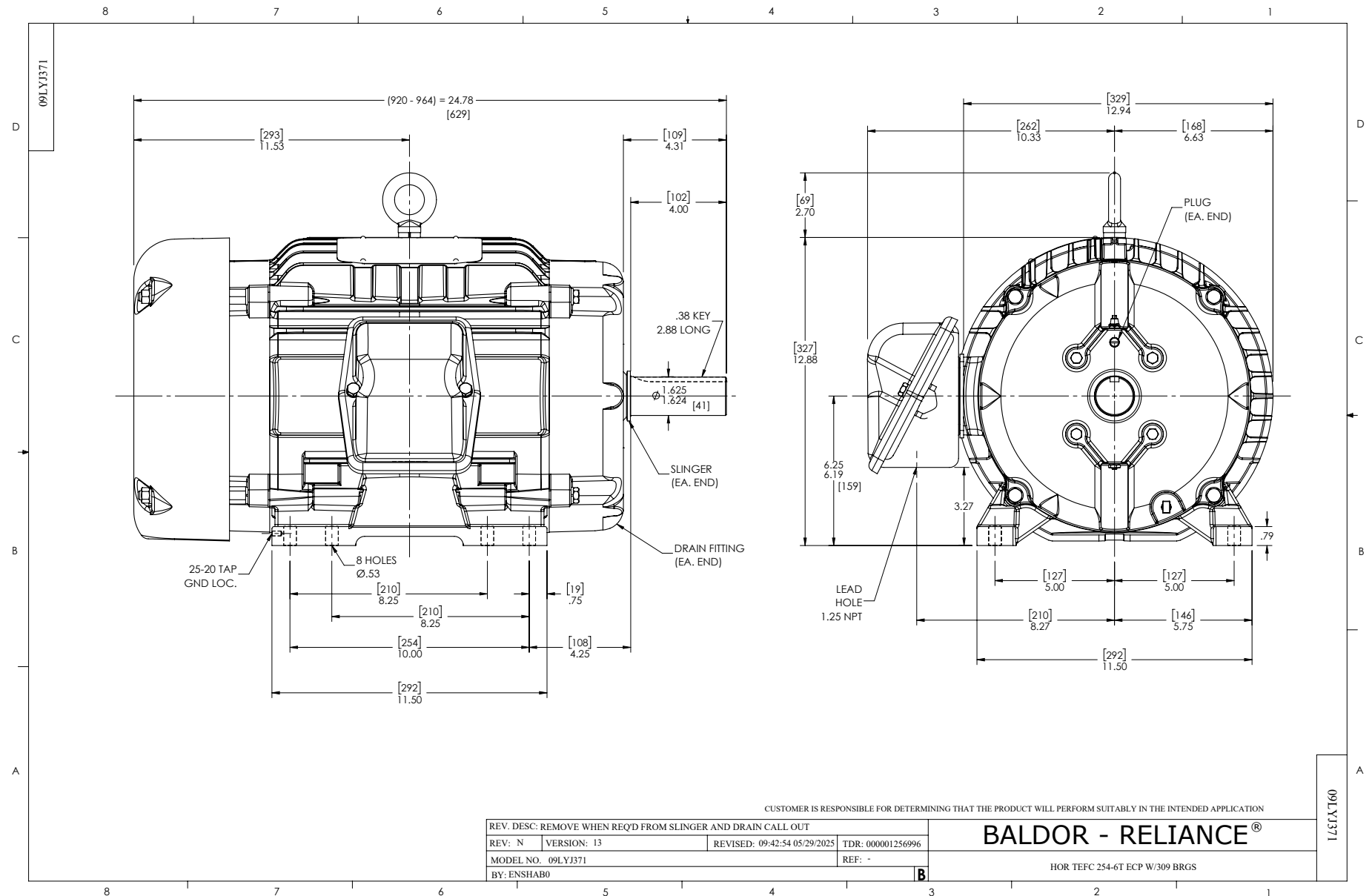
WINDING # 09WGY257

Typical performance - not guaranteed values.

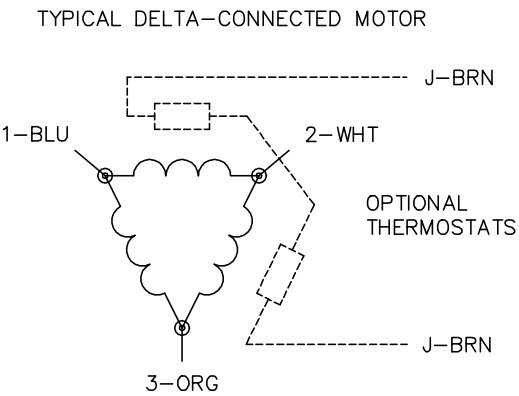
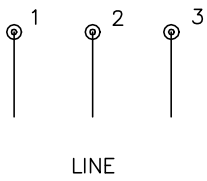
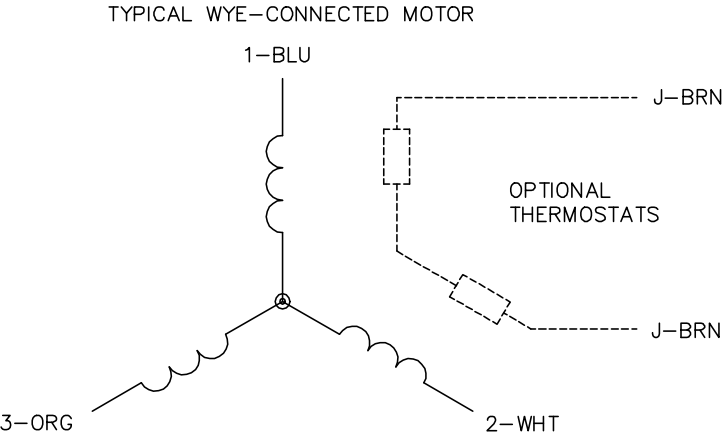
10 HP 3 PH 60 HZ 1180 RPM 460 V 0960M

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





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