



Customer information packet

ECP82332T-5

10HP, 1180RPM, 3PH, 60HZ, 256T, 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	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	0-
Current @ Voltage	11.400 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C

Part detail

Revision	R
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGT014
Layout	09LYJ287
Eff. date	11-03-2025
CD Diagram	CD0006
Poles	06
Leads	3#12
Proprietary	False
Created date	11-27-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	11.4 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP56
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Ring Terminals
Motor Standards	NEMA
Motor Type	0960M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	24.78 IN
Power Factor	71
Product Family	Chem Process S/P 32-8 IEEE 841
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
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

NP4332

STK.NO.	ECP82332T-5			P/N		ENCLOSURE			TEFC				
SPEC.	09-0000-0864		CC	010A	FRAME	256T		S/N					
HP	10			CLASS	F	HZ	60	ODE BRG	6309	DE BRG	6309		
RPM	1180	RPM MAX	1800	PH	3	DES	B	D.E. BRG.	45BC03X30X				
VOLT	575			KVA-CODE	H		O.D.E. BRG.	45BC03X30X					
AMP	11.4			MOTOR WEIGHT			357	GREASE	POLYREX EM				
RATING	40C AMB-CONT			MAX. KVAR			5.2	BLANK					
NEMA-NOM-EFF	91.7	# OF ROTOR BARS		27	SER.F.	1.15	IP	56					
G.MIN.EFF	90.2	# OF STATOR SLOTS		36	PF	71	INV.TYPE	PWM					
TEMP CODE	T3C	INVERTER-TEMP-CODE			180								
TEMP =	160	C HP FR	60	C HP TO	90								
CT HZ FROM	1	CT HZ TO	60										
HTR-VOLTS		HTR-AMPS		HTR-WATTS			MAX. SPACE HEATER TEMP.			VT HZ FROM	O	VT HZ TO	60

AC Induction Motor Performance Data

Record # 47076

Typical performance - not guaranteed values

Winding: 09WGT014-R002			Type: 0960M		Enclosure: TEFC			
Nameplate Data				575 V, 60 Hz: Single Voltage Motor				
Rated Output (HP)		10		Full Load Torque		44.3 LB-FT		
Volts		575		Start Configuration		direct on line		
Full Load Amps		11.4		Breakdown Torque		127 LB-FT		
R.P.M.		1180		Pull-up Torque		53.4 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		70.7 LB-FT		
NEMA Design Code		B		KVA Code	H	Starting Current	68.4 A	
Service Factor (S.F.)		1.15		No-load Current		5.81 A		
NEMA Nom. Eff.		91.7	Power Factor	71	Line-line Res. @ 25°C		1.15 Ω	
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load		38°C
S.F. Amps						Temp. Rise @ S.F. Load		46°C
				Rotor inertia		4.82 LB-FT2		

Load Characteristics 575 V, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	35	55	66	71	74	75	73
Efficiency	85.5	90.5	91.8	91.7	91	89.5	91.3
Speed	1195	1191	1187	1182	1175	1168	1178
Line amperes	6.27	7.57	9.34	11.4	13.9	16.9	12.9

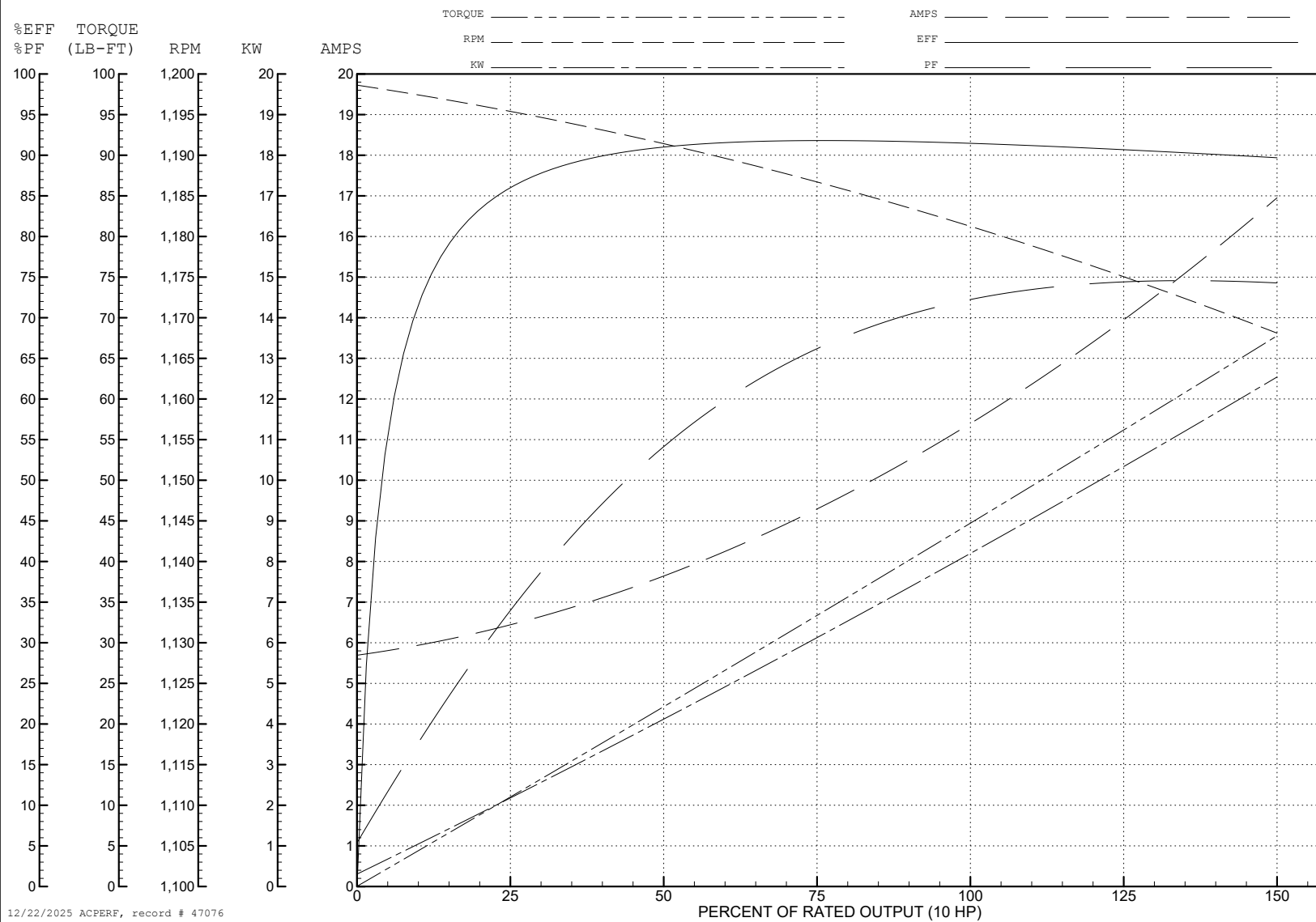
ABB Motors and Mechanical Inc.

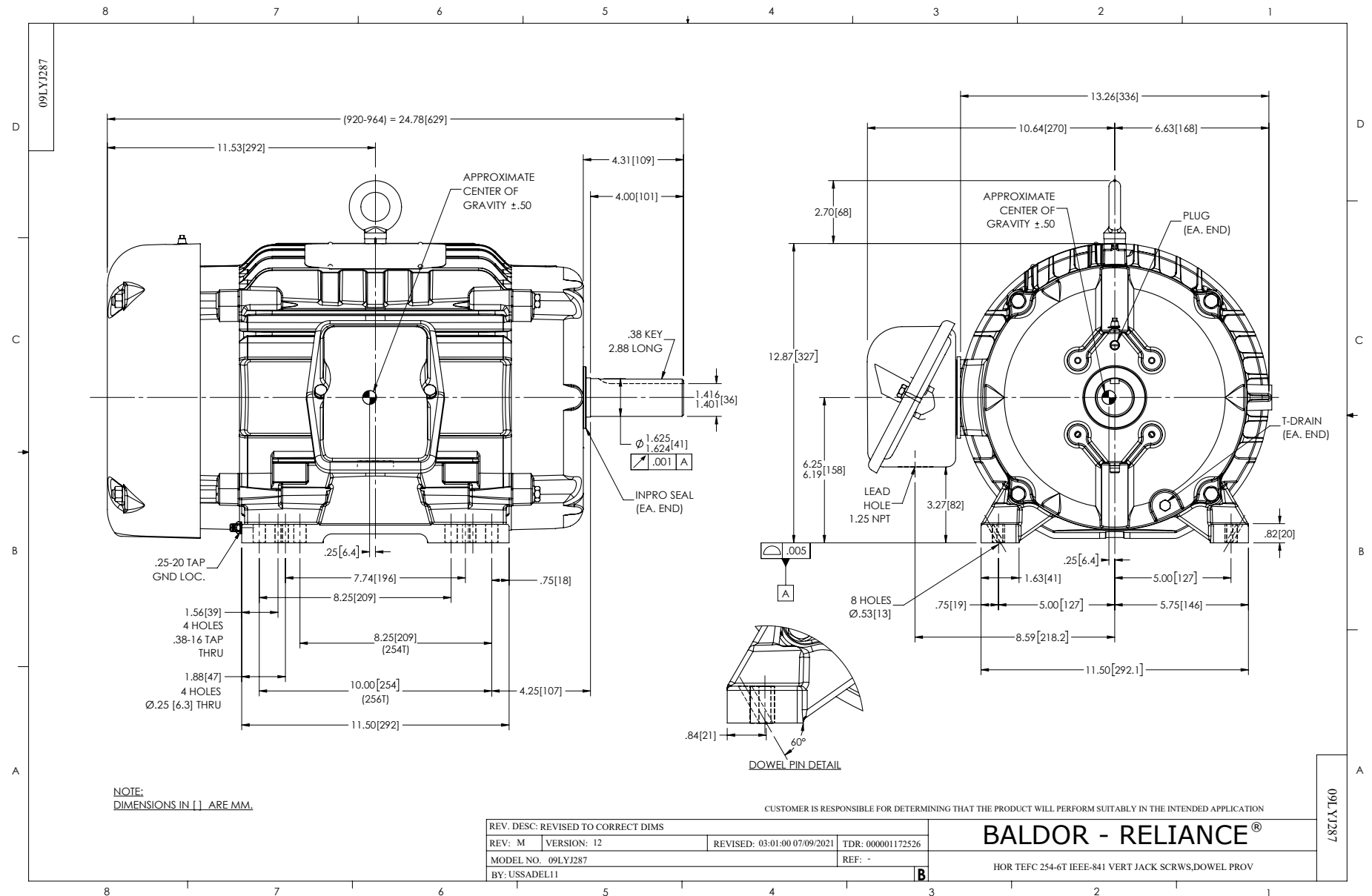
WINDING # 09WGT014

Typical performance - not guaranteed values.

10 HP 3 PH 60 HZ 1180 RPM 575 V 0960M

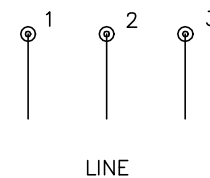
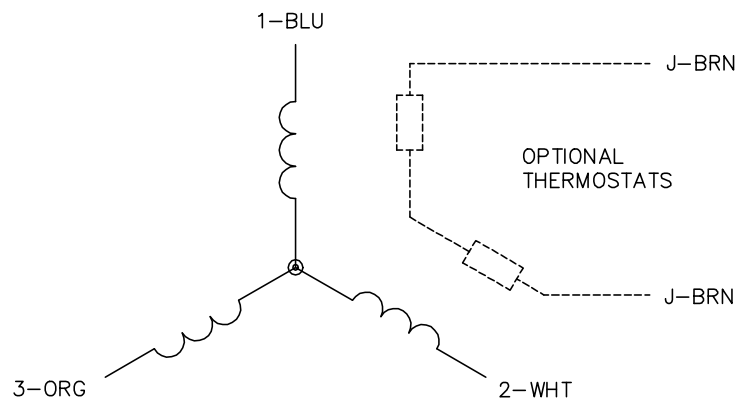
TORQUES (LB-FT): PO=127 PU=53.4 LR=70.7 LRA=68.4



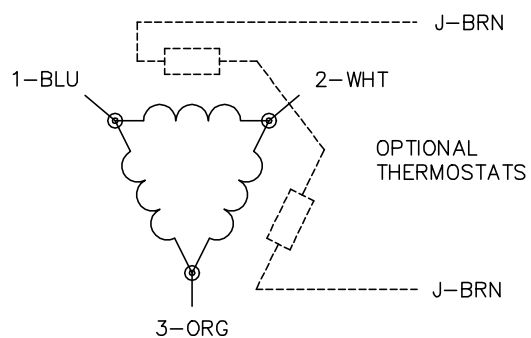


CD0006

TYPICAL WYE-CONNECTED MOTOR



TYPICAL DELTA-CONNECTED MOTOR



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

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BY: ENBRIRO

MTL: -



BALDOR - RELIANCE®

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

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