



Customer information packet

XT3032T-5

3HP, 3500RPM, 3PH, 60HZ, 182T, 0628M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	182T
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	3.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	UR NEMA_PREMIUM NEMA PREMIUM CSA EEV CCSA US
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	6
Current @ Voltage	2.700 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGW042
Layout	06LYF436
Eff. date	09-19-2022
CD Diagram	CD0006
Poles	02
Leads	3#16
Proprietary	False
Created date	05-18-2021

High Voltage Full Load Amps	2.7 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	L
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0628M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.23 IN
Power Factor	92
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3500 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

NP4224L									
CAT.NO.	XT3032T-5				I.P.	54			
SPEC.	06-0000-0925				ENCL	TEFC			
FRAME	182T	H.P.	3		T. CODE	T3C			
VOLTS	575		P.F.	92					
F.L. AMPS	2.7		RATING	40C AMB-CONT					
R.P.M.	3500		USABLE AT 208V	N/A					
HZ.	60	PH.	3		CLASS	F			
SER.F.	1.00		DES.	B		SL HZ	1.8		
NEMA NOM. EFF.	88.5		WK2	0.13					
DE	6206		ODE	6205					
MAG. CUR.	.8								
INV TYPE	PWM	CHP	60		TO	90		INV TEMP CODE	T3C
CT	6	TO	60		VT	6		TO	60
CC	010A		SN						
	1.15 SF ON SINE WAVE								

AC Induction Motor Performance Data

Record # 88447

Typical performance - not guaranteed values

Winding: 06WGW042-R001		Type: 0628M		Enclosure: TEFC	
Nameplate Data			575 V, 60 Hz: Single Voltage Motor		
Rated Output (HP)	3	Full Load Torque	4.52 LB-FT		
Volts	575	Start Configuration	direct on line		
Full Load Amps	2.7	Breakdown Torque	17.1 LB-FT		
R.P.M.	3500	Pull-up Torque	8.25 LB-FT		
Hz	60	Locked-rotor Torque	9.75 LB-FT		
NEMA Design Code	B	Starting Current	21.3 A		
Service Factor (S.F.)	1.15	No-load Current	0.776 A		
NEMA Nom. Eff.	88.5	Line-line Res. @ 25°C	6.43 Ω		
Rating - Duty	40C	Temp. Rise @ Rated Load	35°C		
S.F. Amps	AMB-CONT	Temp. Rise @ S.F. Load	41°C		
		Locked-rotor Power Factor	44.3		
		Rotor inertia	0.126 lb-ft ²		

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	72	86	91	93	94	95	94
Efficiency	71.9	81.5	84.6	85.5	85.4	84.8	85.4
Speed	3569	3544	3517	3489	3458	3426	3470
Line amperes	1.09	1.6	2.18	2.82	3.49	4.2	3.22

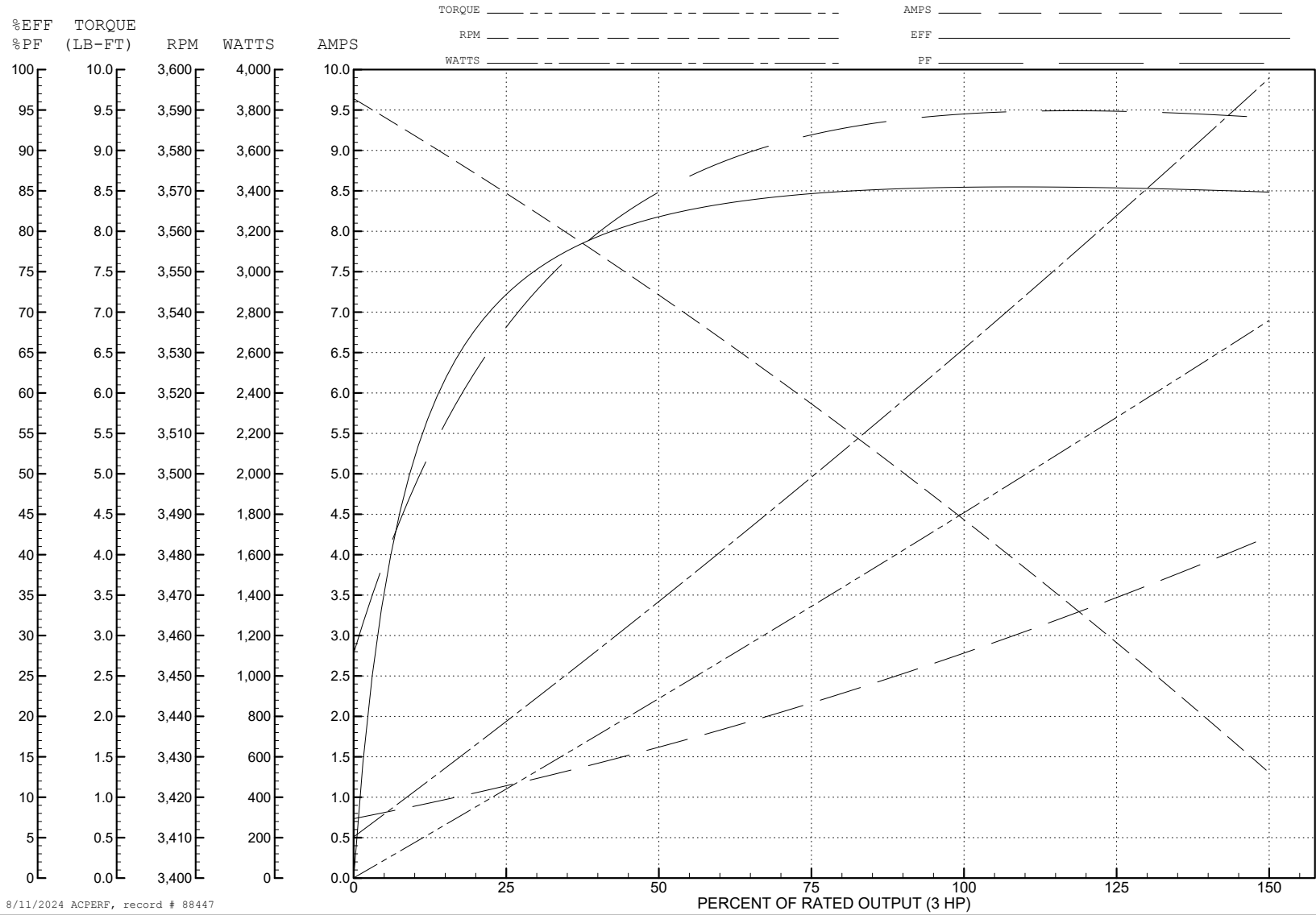
ABB Motors and Mechanical Inc.

WINDING # 06WGW042

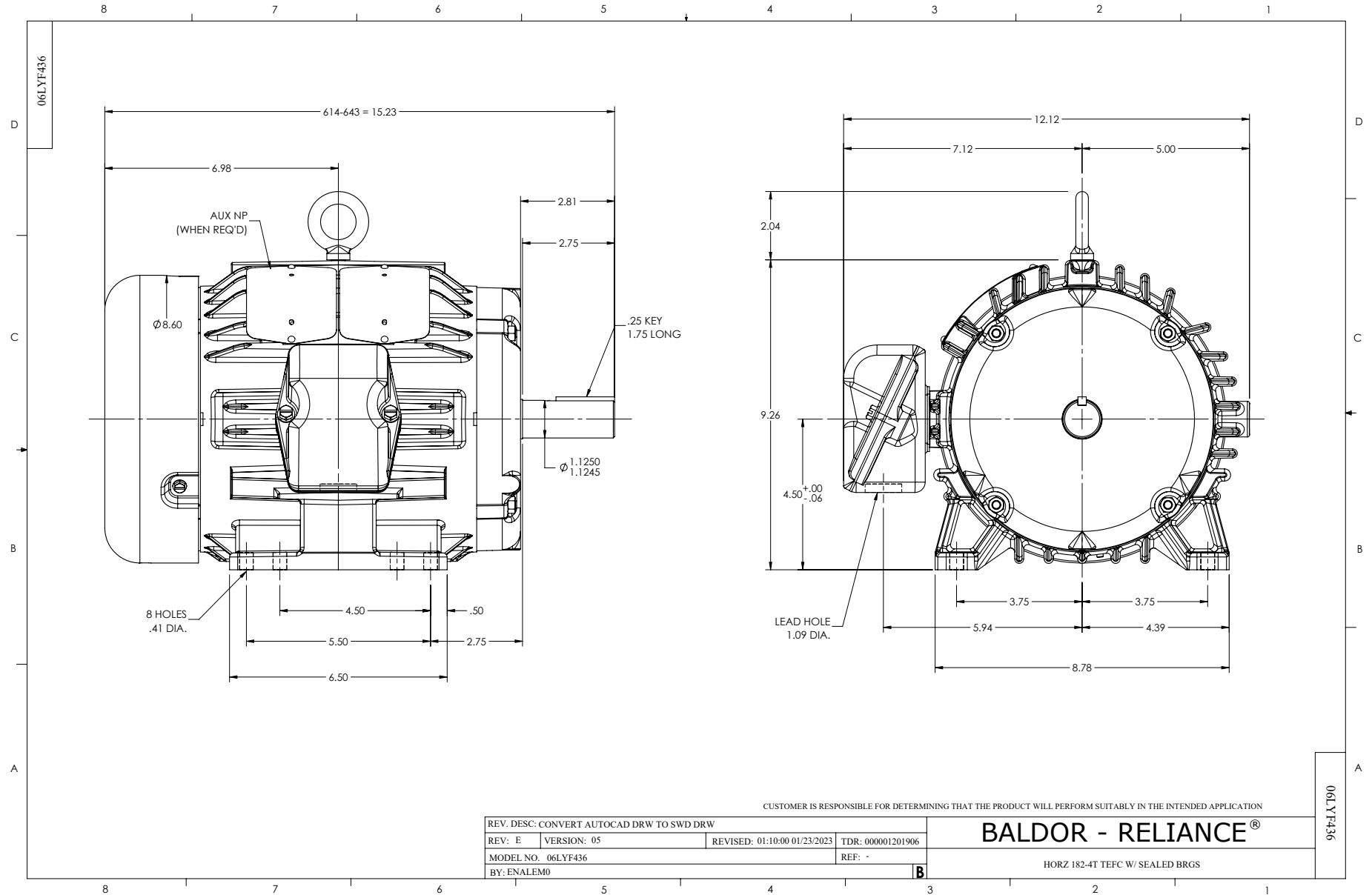
3 HP 3 PH 60 HZ 3500 RPM 575 V 0628M

Typical performance - not guaranteed values.

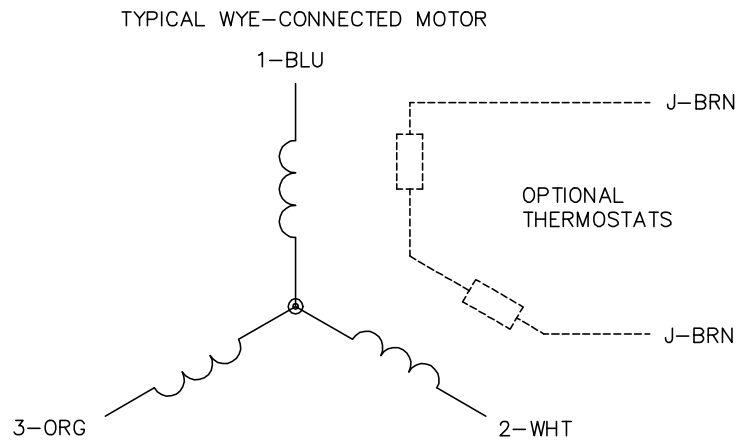
TORQUES (LB-FT): PO=17.1 PU=8.25 LR=9.75 LRA=21.3



8/11/2024 ACPERF, record # 88447



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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BALDOR - RELIANCE®

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

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