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# Customer information packet

## CXT3054T

5HP, 1750RPM, 3PH, 60HZ, 184TC, 0642M, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

## Specifications

Enclosure	TEFC
Frame	184TC
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	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CCSA US NEMA_PREMIUM NEMA PREMIUM CSA EEV
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	3
Current @ Voltage	13.000 A @ 230.0 V 14.000 A @ 208.0 V 6.500 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	89.5 %

## Part detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGX182
Layout	06LYF921
Eff. date	06-28-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	11-30-2020

<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Haz Area Temp Code</b>	T3C
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	6.5 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>IP Rating</b>	NONE
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	0642M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	15.98 IN
<b>Power Factor</b>	79
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.125 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1750 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP4163L</b>										
<b>CAT.NO.</b>	CXT3054T					<b>I.P.</b>	54			
<b>SPEC.</b>	06-0000-0789					<b>ENCL</b>	TEFC			
<b>FRAME</b>	184TC		<b>H.P.</b>	5						
<b>VOLTS</b>	208-230/460		<b>P.F.</b>	79						
<b>F.L. AMPS</b>	14-13/6.5		<b>RATING</b>	40C AMB-CONT						
<b>R.P.M.</b>	1750									
<b>HZ.</b>	60		<b>PH.</b>	3		<b>CLASS</b>	F			
<b>SER.F.</b>	1.15		<b>DES.</b>	B		<b>SL HZ</b>	1.7			
<b>NEMA NOM. EFF.</b>	89.5		<b>WK2</b>	0.39						
<b>DE</b>	6206		<b>ODE</b>	6205						
<b>MAG. CUR.</b>	6.4/3.2									
<b>INV TYPE</b>	PWM	<b>CHP</b>	60	<b>TO</b>	90	<b>T. CODE</b>	T3C			
<b>CT</b>	3	<b>TO</b>	60	<b>VT</b>	3	<b>TO</b>	60			
<b>CC</b>	010A		<b>SN</b>							
USABLE AT 50 HZ 3HP 190/380V										
10.4/5.2A										

**AC Induction Motor Performance Data**

Record # 84601

Typical performance - not guaranteed values

<b>Winding:</b> 06WGX182-R028		<b>Type:</b> 0642M		<b>Enclosure:</b> TEFC	
<b>Nameplate Data</b>			<b>460 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	5	<b>Full Load Torque</b>	15 LB-FT		
<b>Volts</b>	208-230/460	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	14-13/6.5	<b>Breakdown Torque</b>	53.9 LB-FT		
<b>R.P.M.</b>	1750	<b>Pull-up Torque</b>	22.4 LB-FT		
<b>Hz</b>	60 <b>Phase</b>	3	<b>Locked-rotor Torque</b>	31.8 LB-FT	
<b>NEMA Design Code</b>	<b>B KVA Code</b>	J	<b>Starting Current</b>	46.6 A	
<b>Service Factor (S.F.)</b>		1	<b>No-load Current</b>	3.02 A	
<b>NEMA Nom. Eff.</b>	89.5 <b>Power Factor</b>	79	<b>Line-line Res. @ 25°C</b>	2.63 Ω	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	53°C	
			<b>Locked-rotor Power Factor</b>	40.5	
			<b>Rotor inertia</b>	0.391 lb-ft <sup>2</sup>	

**Load Characteristics 460 V, 60 Hz, 5 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>
<b>Power Factor</b>	41	63	75	81
<b>Efficiency</b>	85.1	89.7	90.3	89.8
<b>Speed</b>	1789	1777	1765	1752
<b>Line amperes</b>	3.35	4.14	5.21	6.45

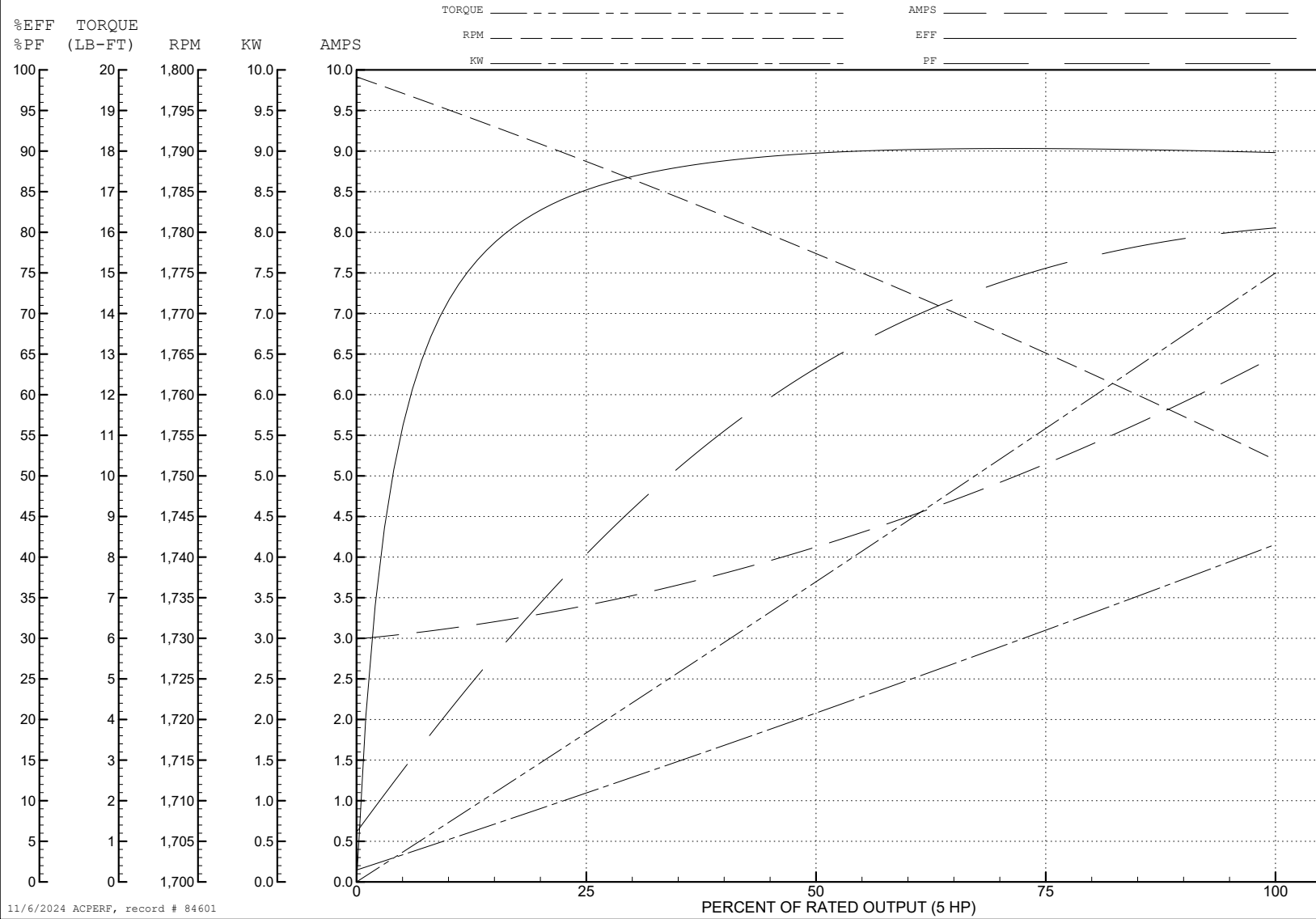
ABB Motors and Mechanical Inc.

WINDING # 06WGX182

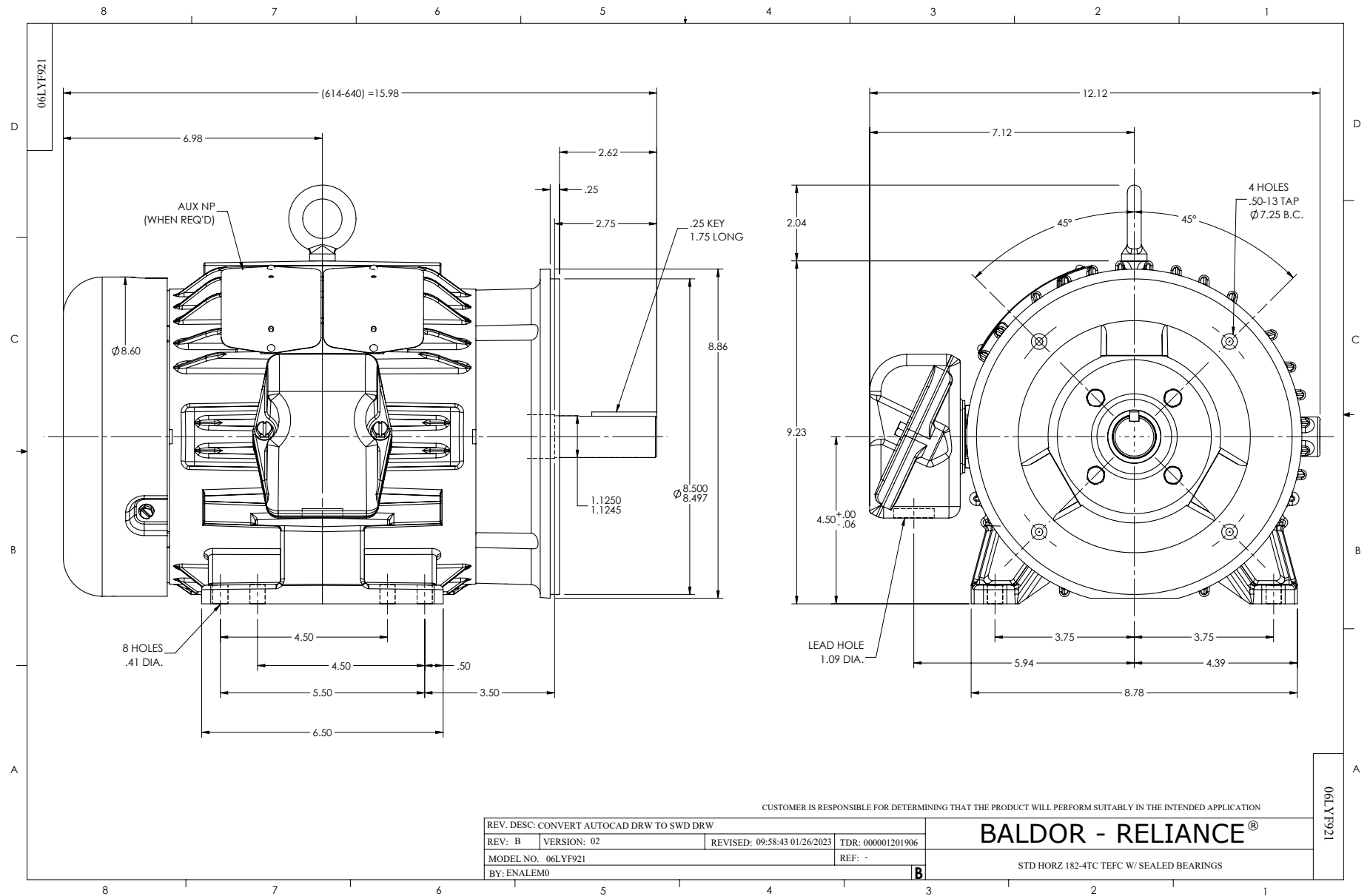
Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1750 RPM 460 V 0642M

TORQUES (LB-FT): PO=53.9 PU=22.4 LR=31.8 LRA=46.6



11/6/2024 ACPERF, record # 84601



CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS