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# Customer information packet

## CXT3254T-5

25HP, 1770RPM, 3PH, 60HZ, 284TC, 1056M, TEFC, F

Class - CLI GP A,B,C,D

Division - Division II

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## Specifications

Enclosure	TEFC
Frame	284TC
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	25.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 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	3
Current @ Voltage	24.000 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

## Part detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	10WGZ620
Layout	10LYC152
Eff. date	11-27-2024
CD Diagram	CD0006
Poles	04
Leads	3#10
Proprietary	False
Created date	05-28-2021

<b>High Voltage Full Load Amps</b>	24.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>IP Rating</b>	NONE
<b>KVA Code</b>	F
<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>	1056M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	27.76 IN
<b>Power Factor</b>	85
<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>	1.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	1770 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>NP4224L</b>									
<b>CAT.NO.</b>	CXT3254T-5				<b>I.P.</b>	54			
<b>SPEC.</b>	10-0000-2154				<b>ENCL</b>	TEFC			
<b>FRAME</b>	284TC	<b>H.P.</b>	25		<b>T. CODE</b>	T3C			
<b>VOLTS</b>	575		<b>P.F.</b>	85					
<b>F.L. AMPS</b>	24		<b>RATING</b>	40C AMB-CONT					
<b>R.P.M.</b>	1770								
<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				
<b>NEMA NOM. EFF.</b>	93.6	<b>WK2</b>	4.46						
<b>DE</b>	6311	<b>ODE</b>	6309						
<b>MAG. CUR.</b>	8.4								
<b>INV TYPE</b>	PWM	<b>CHP</b>	60	<b>TO</b>	90	<b>INV TEMP 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>							

**AC Induction Motor Performance Data**

Record # 71378

Typical performance - not guaranteed values

<b>Winding:</b> 10WGZ620-R004		<b>Type:</b> 1056M		<b>Enclosure:</b> TEFC	
<b>Nameplate Data</b>			<b>575 V, 60 Hz: Single Voltage Motor</b>		
<b>Rated Output (HP)</b>	25	<b>Full Load Torque</b>	74.36 LB-FT		
<b>Volts</b>	575	<b>Start Configuration</b>	direct on line		
<b>Full Load Amps</b>	24	<b>Breakdown Torque</b>	196 LB-FT		
<b>R.P.M.</b>	1770	<b>Pull-up Torque</b>	90.75 LB-FT		
<b>Hz</b>	60	<b>Locked-rotor Torque</b>	114 LB-FT		
<b>NEMA Design Code</b>	B	<b>Starting Current</b>	137 A		
<b>Service Factor (S.F.)</b>	1	<b>No-load Current</b>	8.24 A		
<b>NEMA Nom. Eff.</b>	93.6	<b>Line-line Res. @ 25°C</b>	0.463 Ω		
<b>Rating - Duty</b>	40C	<b>Temp. Rise @ Rated Load</b>	54°C		
<b>S.F. Amps</b>	AMB-CONT	<b>Temp. Rise @ S.F. Load</b>	67°C		
		<b>Locked-rotor Power Factor</b>	30.4		
		<b>Rotor inertia</b>	4.46 LB-FT <sup>2</sup>		

**Load Characteristics 575 V, 60 Hz, 25 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>
<b>Power Factor</b>	51	73	82	85	86	86
<b>Efficiency</b>	90.9	93.7	94.1	93.6	92.8	92.1
<b>Speed</b>	1793	1785	1779	1771	1762	1751
<b>Line amperes</b>	9.93	13.55	18.28	23.59	29.19	35.78

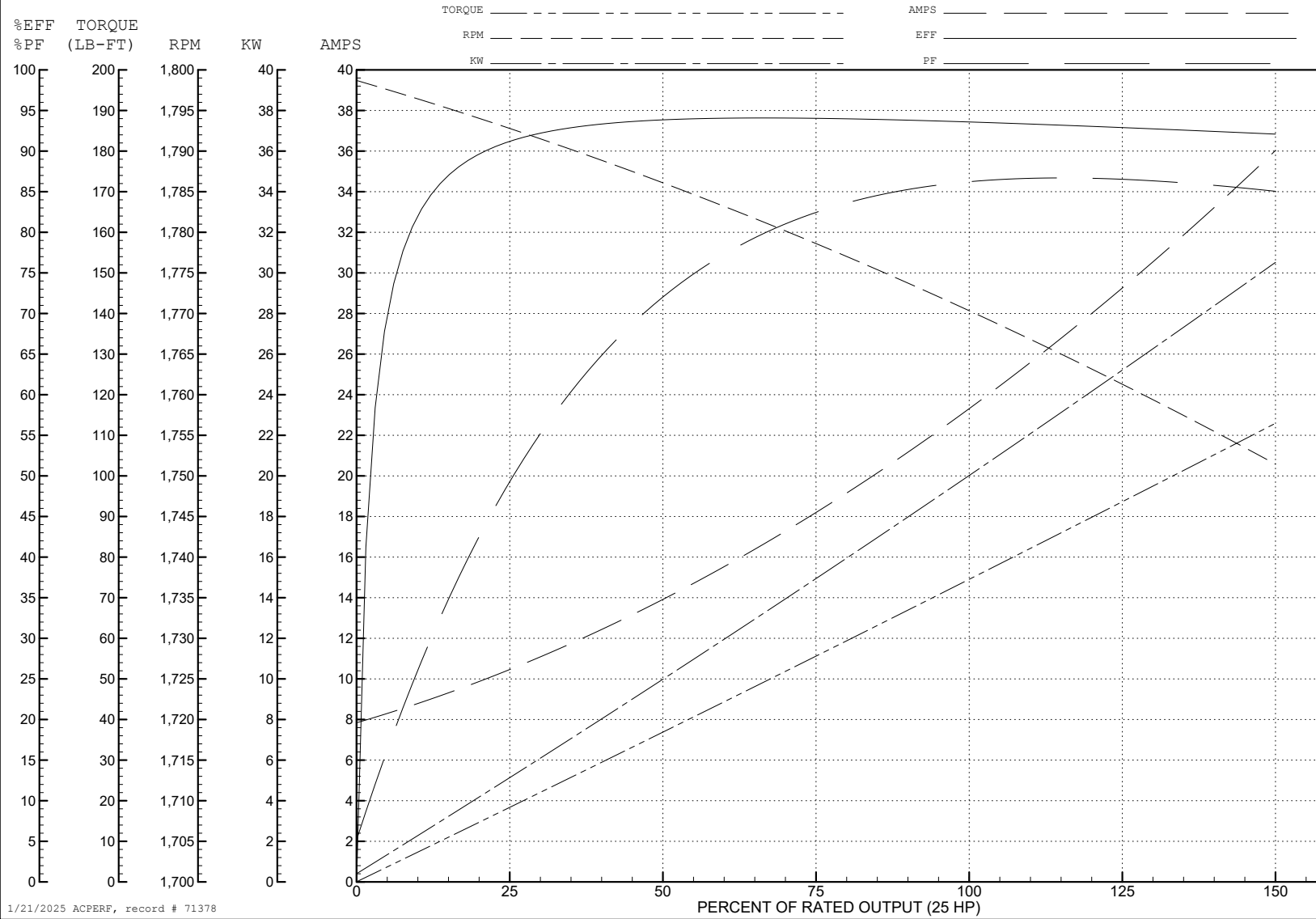
ABB Motors and Mechanical Inc.

WINDING # 10WGZ620

Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1770 RPM 575 V 1056M

TORQUES (LB-FT): PO=196 PU=90.75 LR=114 LRA=137



1/21/2025 ACPERF, record # 71378



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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REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
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3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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