

BALDOR • RELIANCE

Customer information packet

VXT3302TS-5

30HP, 3525RPM, 3PH, 60HZ, 286TSC, 1048M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

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6/18/2026 6:21:55 AM

Specifications

Enclosure	TEFC
Frame	286TSC
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	30.000 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
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	27.000 A @ 575.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	10WGZ523
Layout	10LYE310
Eff. date	11-27-2024
CD Diagram	CD0006
Poles	02
Leads	3#10
Proprietary	False
Created date	06-01-2021

High Voltage Full Load Amps	27.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1048M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	26.39 IN
Power Factor	90
Product Family	General Purpose
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	3525 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.	VXT3302TS-5				I.P.	54			
SPEC.	10-0000-2157				ENCL	TEFC			
FRAME	286TSC	H.P.	30		T. CODE	T3			
VOLTS	575		P.F.	90					
F.L. AMPS	27		RATING	40C AMB-CONT					
R.P.M.	3525								
HZ.	60	PH.	3	CLASS	F				
SER.F.	1.00	DES.	A	SL HZ	1.3				
NEMA NOM. EFF.	91.7	WK2	2.07						
DE	6311	ODE	6309						
MAG. CUR.	6.8								
INV TYPE	PWM	CHP	60	TO	90	INV TEMP CODE	T3		
CT	6	TO	60	VT	6	TO	60		
CC	010A	SN							

AC Induction Motor Performance Data

Record # 55458

Typical performance - not guaranteed values

Winding: 10WGZ523-R001		Type: 1048M	Enclosure: TEFC
Nameplate Data		575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	30	Full Load Torque	44.8 LB-FT
Volts	575	Start Configuration	direct on line
Full Load Amps	27	Breakdown Torque	132 LB-FT
R.P.M.	3525	Pull-up Torque	46 LB-FT
Hz	60 Phase	Locked-rotor Torque	63.8 LB-FT
NEMA Design Code	B KVA Code	Starting Current	166 A
Service Factor (S.F.)	1.15	No-load Current	6.82 A
NEMA Nom. Eff.	91.7 Power Factor	Line-line Res. @ 25°C	0.376 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	69°C
S.F. Amps		Temp. Rise @ S.F. Load	86°C
		Locked-rotor Power Factor	23.2
		Rotor inertia	2.06 LB-FT ²

Load Characteristics 575 V, 60 Hz, 30 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	68	84	88	90	90	90	90
Efficiency	86.9	91.3	91.8	91.7	90.7	89.6	91.1
Speed	3583	3565	3546	3525	3503	3477	3512
Line amperes	9.8	14.9	20.9	27.3	34.5	42.1	31.6

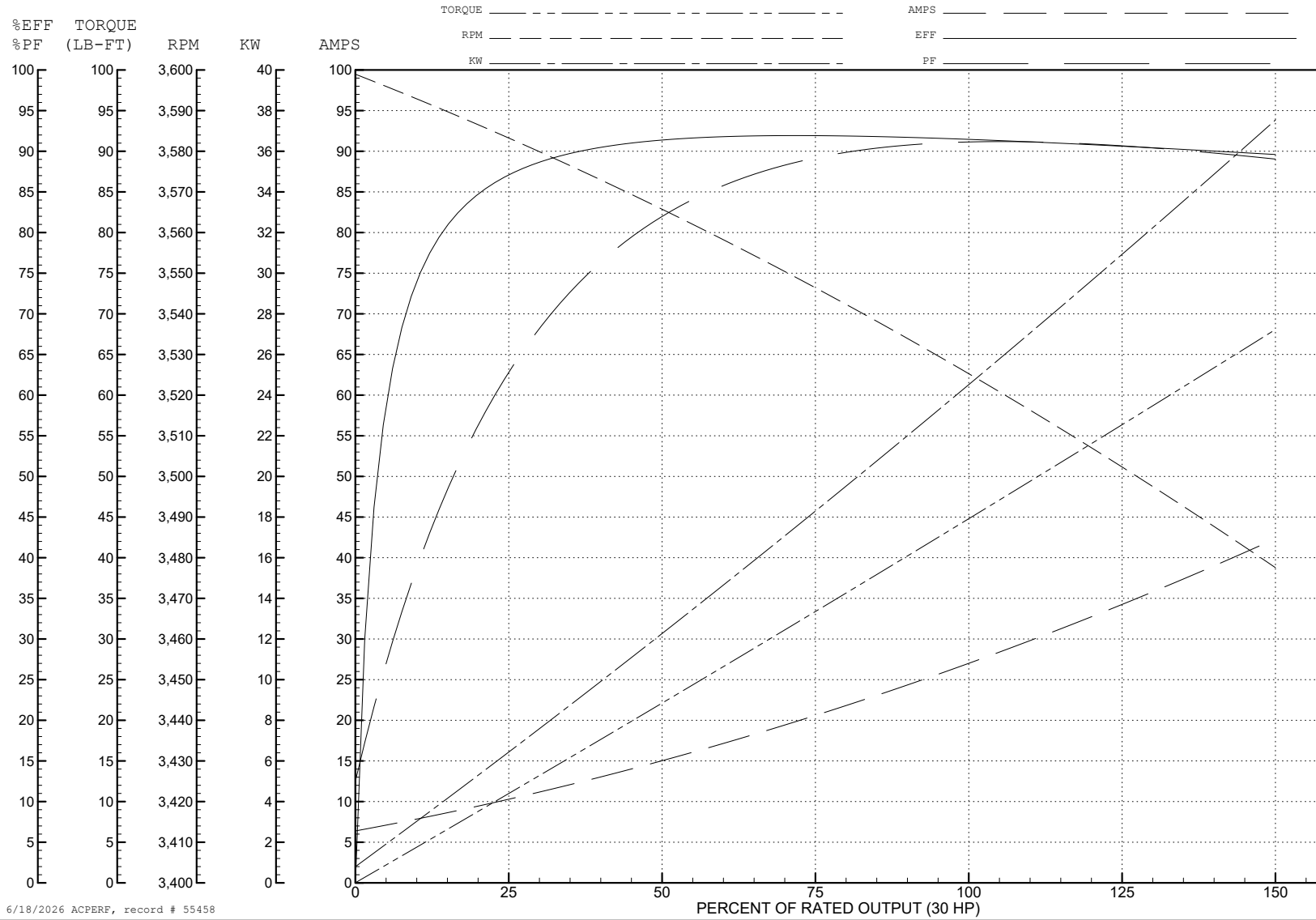
ABB Motors and Mechanical Inc.

WINDING # 10WGZ523

30 HP 3 PH 60 HZ 3525 RPM 575 V 1048M

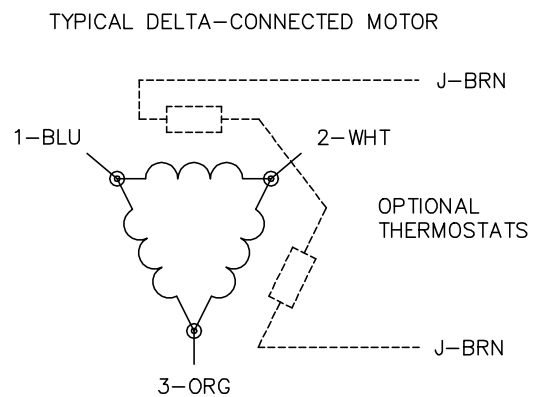
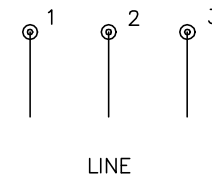
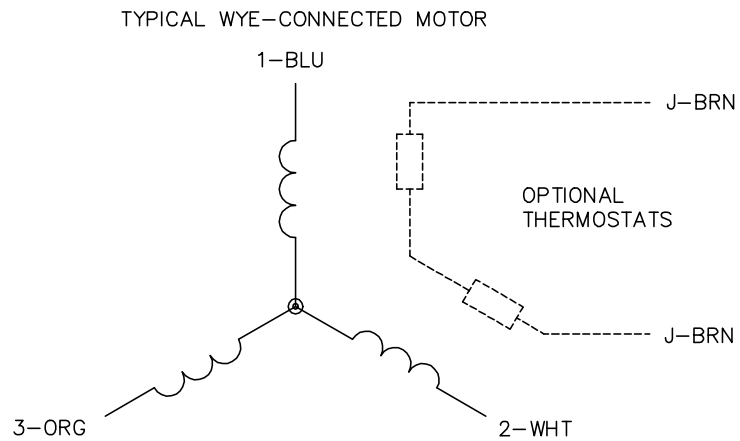
Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=132 PU=46 LR=63.8 LRA=166



6/18/2026 ACPERF, record # 55458

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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BALDOR - RELIANCE®

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

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