ABB BALDOR RELIANCE

Customer information packet

CEM7062T

40//30HP, 1775//1480RPM, 3PH, 60//50HZ, 324T
Class - CLI GP D; CLII GP F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	324TC
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
	30.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	190.0 V @ 50 HZ
	230.0 V @ 60 HZ
	380.0 V @ 50 HZ
Agency Approvals	UL
	CSA
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
Current @ Voltage	45.000 A @ 380.0 V
	48.000 A @ 460.0 V
	90.000 A @ 190.0 V
	96.000 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %

Part Detail

Revision	Y
Type	AC
Mech. spec.	12N025
Base	
Status	PRD/A
Elec. spec.	12WGY276
Layout	12LYN025
Eff. date	05-05-2026
CD Diagram	CD0180
Poles	04
Leads	9#8
Proprietary	False
Created date	06-10-2010

Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	45.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 8 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	X1254M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	32.00 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1480 rpm

	1775 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1426XPSLEV							
NO.		**CC**	010A				
SER.							
SPEC.	12N025Y276G1						
CAT.NO.	CEM7062T						
HP	40//30	**T. CODE**	T3C				
VOLTS	230/460//190/380						
AMPS	96/48//90/45						
RPM	1775//1480						
HZ	60//50	**PH**	3	**CL**	B		
SER.F.	1.00	**DES**	A	**CODE**	H		
RATING	40C AMB-CONT						
FRAME	324TC			**NEMA-NOM-EFF**	94.1		
		PF	82				
BLANK							

AC Induction Motor Performance Data
Record # 30935
Typical performance - not guaranteed values

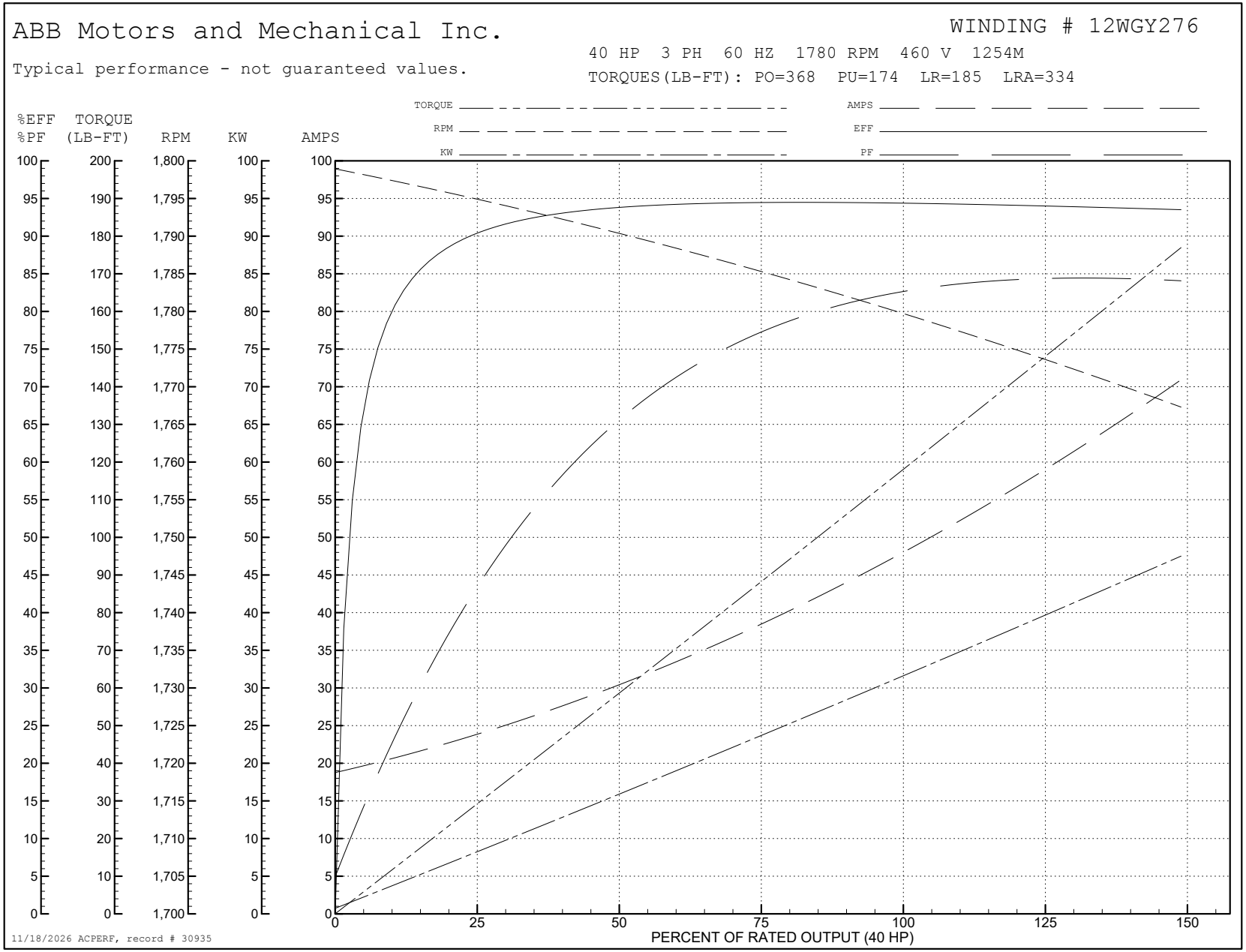
Winding: 12WGY276-R002	**Type:** 1254M	**Enclosure:** XPFC

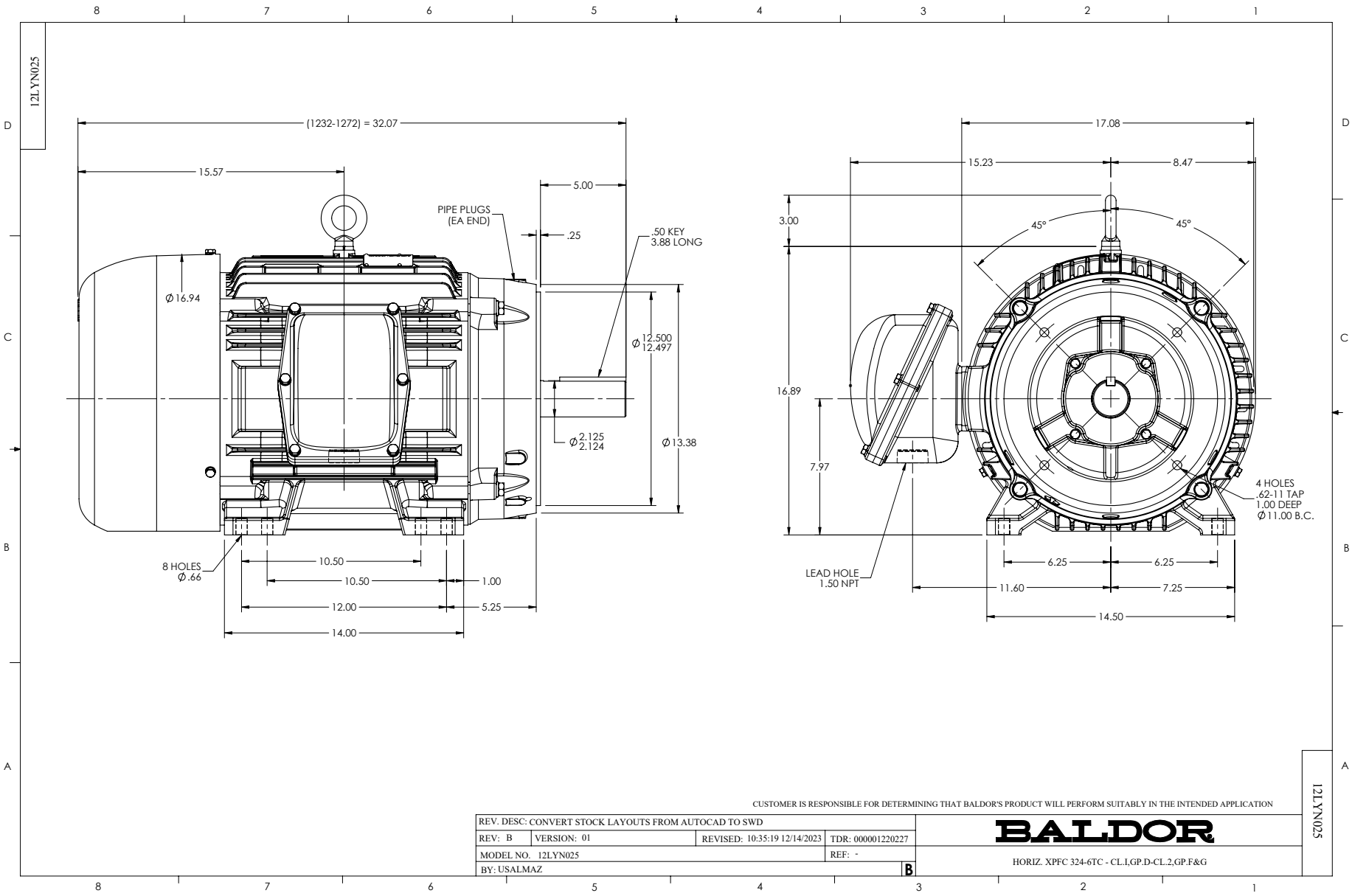
Nameplate Data			
Rated Output (HP)			40//30
Volts			230/460//190/380
Full Load Amps			96/48//90/45
R.P.M.			1775//1480
Hz	60//50	**Phase**	3
NEMA Design Code	A	**KVA Code**	H
Service Factor (S.F.)			1
NEMA Nom. Eff.	94.1	**Power Factor**	82
Rating - Duty			40C AMB-CONT

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	118 LB-FT
Start Configuration	direct on line
Breakdown Torque	368 LB-FT
Pull-up Torque	174 LB-FT
Locked-rotor Torque	185 LB-FT
Starting Current	334 A
No-load Current	19.5 A
Line-line Res. @ 25ºC	0.144 Ω
Temp. Rise @ Rated Load	53°C
Locked-rotor Power Factor	27
Rotor inertia	7.19 LB-FT2

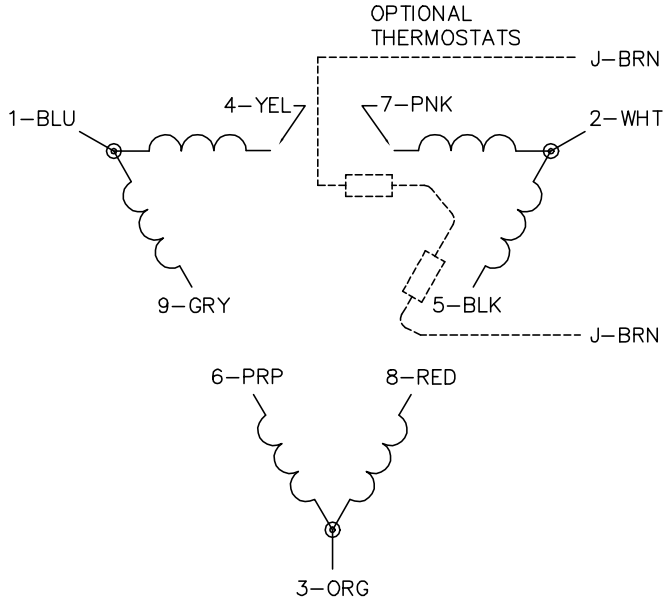
Load Characteristics 460 V, 60 Hz, 40 HP

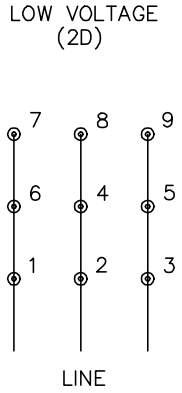
% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	46	67	77	82	83	85
Efficiency	90.1	93.6	94.4	94.4	94.2	93.4
Speed	1795	1790	1785	1780	1774	1767
Line amperes	22.9	30.1	38.9	48.4	59.5	70.4

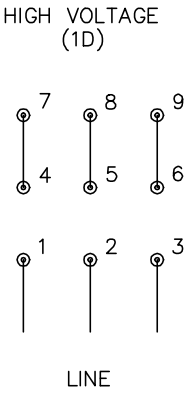

ABB Motors and Mechanical Inc.
WINDING # 12WGY276
40 HP 3 PH 60 HZ 1780 RPM 460 V 1254M
Typical performance - not guaranteed values.
TORQUES(LB-FT): PO=368 PU=174 LR=185 LRA=334
TORQUE
RPM
KW
AMPS
EFF
PF
%EFF %PF
TORQUE (LB-FT)
RPM
KW
AMPS
PERCENT OF RATED OUTPUT (40 HP)
11/18/2026 ACPERF, record # 30935


12LYN025
(1232-1272) = 32.07
15.57
5.00
PIPE PLUGS (EA END)
.25
.50 KEY 3.88 LONG
Ø16.94
Ø12.500 12.497
Ø2.125 2.124
Ø13.38
8 HOLES Ø.66
10.50
10.50
1.00
12.00
5.25
14.00
17.08
15.23
8.47
3.00
45°
45°
16.89
7.97
4 HOLES .62-11 TAP 1.00 DEEP Ø11.00 B.C.
LEAD HOLE 1.50 NPT
6.25
6.25
11.60
7.25
14.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT STOCK LAYOUTS FROM AUTOCAD TO SWD
REV: B
VERSION: 01
REVISED: 10:35:19 12/14/2023
TDR: 000001220227
MODEL NO. 12LYN025
REF: -
BY: USALMAZ
B
BALDOR
HORIZ. XPFC 324-6TC - CL.I,GP.D-CL.2,GP.F&G
12LYN025

CD0180







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.

CD0180

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\148	REVISED: 10:25:29 02/19/2019	BY: ENBRIR0
MTL: –		

BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1