ABB BALDOR RELIANCE

Customer information packet

CEWDM4110T

40HP, 1775RPM, 3PH, 60HZ, 324TC, TEFC, F1
Class - None
Division - Not Applicable

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Specifications

Enclosure	TEFC
Frame	324TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	NEMA PREMIUM
	UR
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	96.000 A @ 230.0 V
	48.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

Part Detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY276
Layout	12LYP032
Eff. date	05-07-2026
CD Diagram	CD0180
Poles	04
Leads	9#8
Proprietary	False
Created date	08-16-2019

High Voltage Full Load Amps	48.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1254M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.28 IN
Power Factor	82
Product Family	Washdown Features
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1775 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

NP1669L									
CAT.NO.	CEWDM4110T								
SPEC.	12-0000-0976								
HP	40								
VOLTS	230/460 20:1 CT/VT								
AMP	96/48								
RPM	1775								
FRAME	324TC	**HZ**	60			**PH**	3		
SER.F.	1.00	**CODE**	H	**DES**	A	**CLASS**	F		
NEMA-NOM-EFF	94.1	**PF**	82						
RATING	40C AMB-CONT								
CC	010A								
DE	6312	**ODE**	6311						
ENCL	TEFC	**SN**							
BLANK	1.15SF ON SINEWAVE								

AC Induction Motor Performance Data
Record # 51423
Typical performance - not guaranteed values

Winding: 12WGY276-R027	**Type:** 1254M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			40
Volts			230/460
Full Load Amps			96/48
R.P.M.			1775
Hz	60	**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	386 LB-FT
Pull-up Torque	193 LB-FT
Locked-rotor Torque	216 LB-FT
Starting Current	338 A
No-load Current	19.9 A
Line-line Res. @ 25ºC	0.14898 Ω
Temp. Rise @ Rated Load	54°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	47	69	78	83	85	85
Efficiency	90.1	93.5	94.2	94.2	93.8	93.1
Speed	1793.5	1788	1782.5	1776.6	1770.7	1764.1
Line amperes	22.9	29.5	38.4	48.1	59.2	70.8

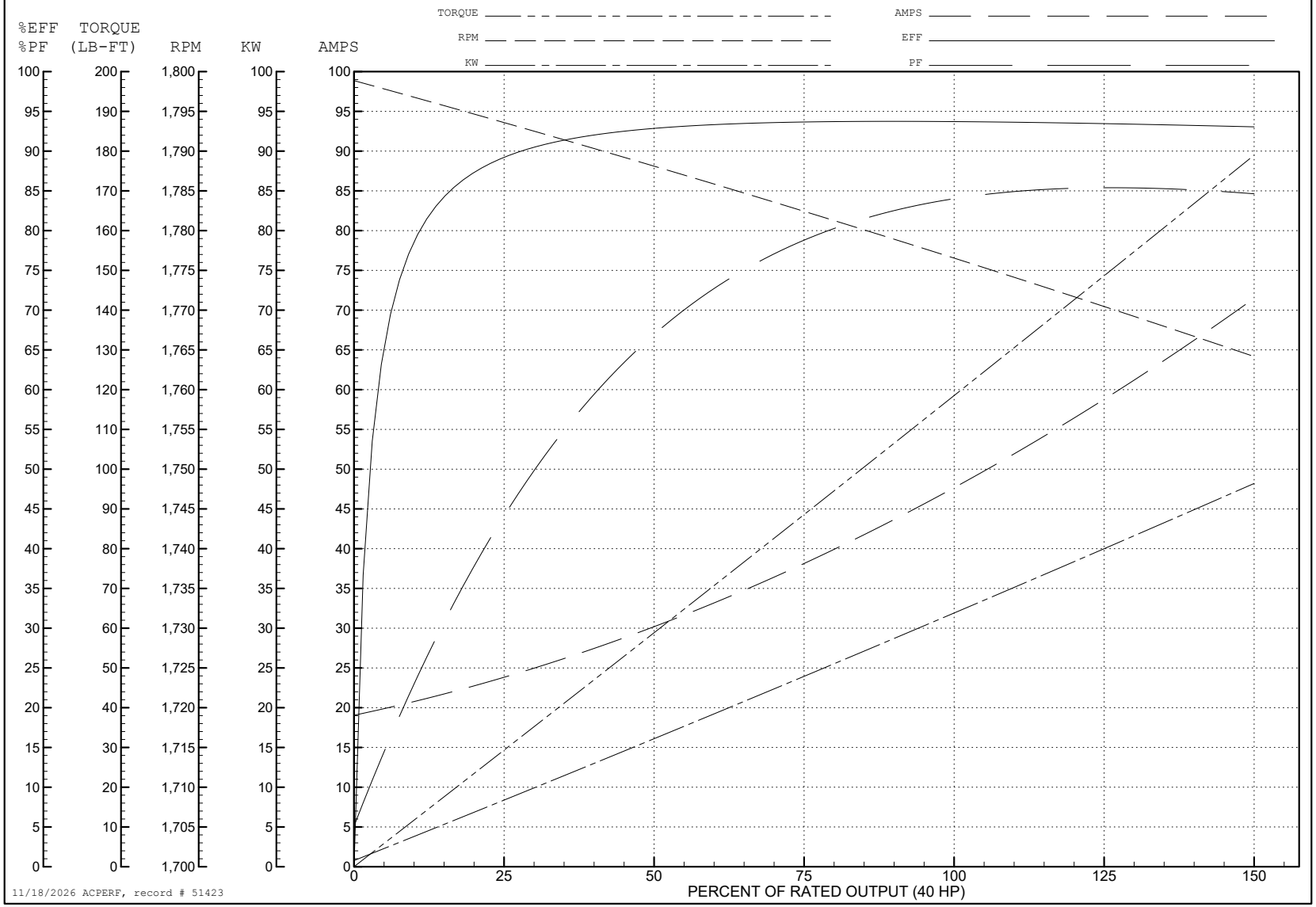
ABB Motors and Mechanical Inc.

WINDING # 12WGY276

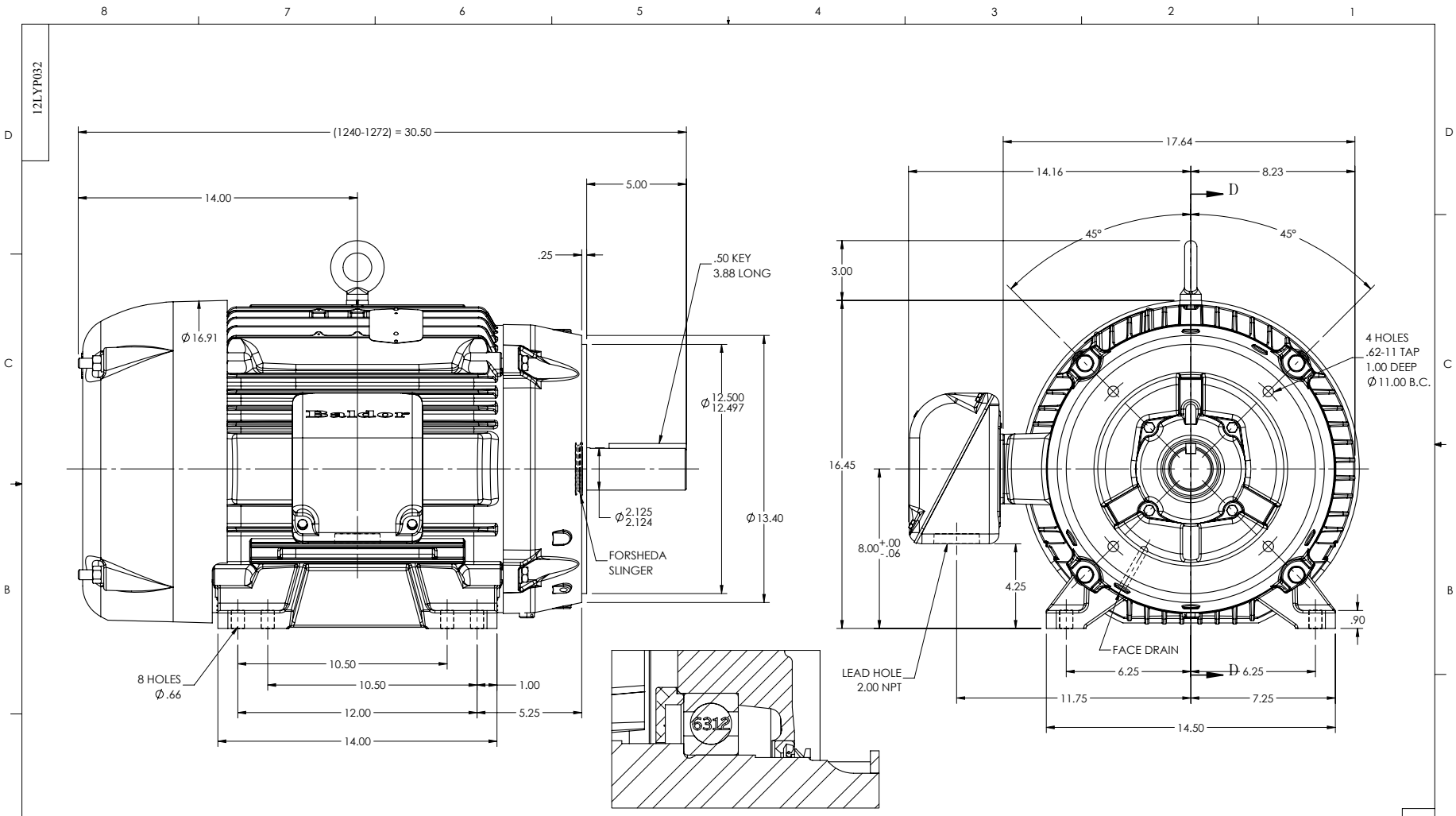
40 HP 3 PH 60 HZ 1775 RPM 460 V 1254M

TORQUES(LB-FT): PO=386 PU=193 LR=216 LRA=338

Typical performance - not guaranteed values.



11/18/2026 ACPERF, record # 51423

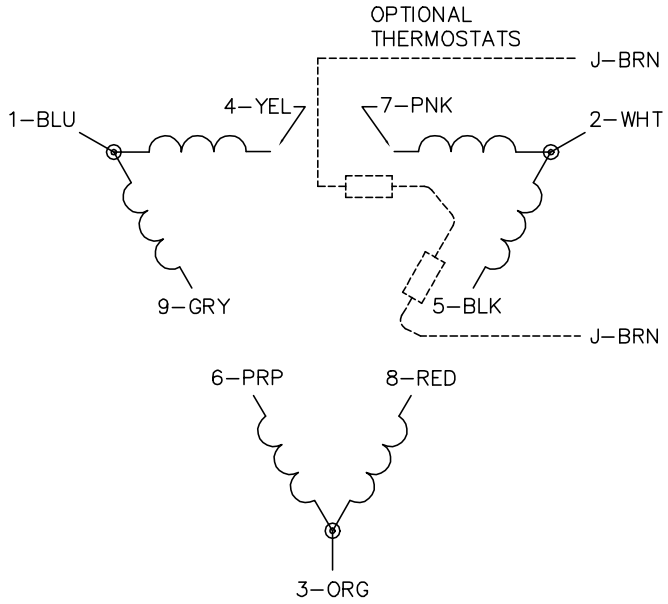


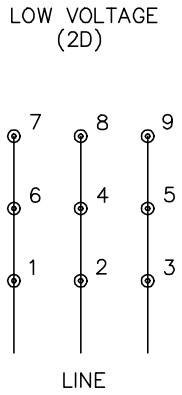
PULLEY END DETAIL

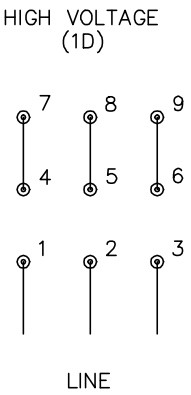
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: ADD SEAL DETAIL VIEW			BALDOR - RELIANCE®
REV: F	VERSION: 04	REVISED: 10:52:15 09/19/2024	TDR: 000001241155
MODEL NO. 12LYP032			REF: -
BY: USJOCUR5			B
			HOR TEFC 324-6TC W/WASHDOWN FEATURES

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
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BALDOR - RELIANCE®

3PH, DV, 9 LEADS, DELTA CONNECTION

SH 1 of 1