ABB BALDOR RELIANCE

Customer information packet

EM7562T-I

54M 4P XPFC HOR 324T T'STATS CP FEAT SE
Class - CLI GP D; CLII GP E,F,G
Division - Division I

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Specifications

Enclosure	XPFC
Frame	324T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	40.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
Agency Approvals	CSA
	CSA EEV
	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	48.000 A @ 460.0 V
	96.000 A @ 230.0 V
	102.000 A @ 208.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Haz Area Temp Code	T3C

Part Detail

Revision	K
Type	AC
Mech. spec.	12F873
Base	
Status	PRD/A
Elec. spec.	12WGY276
Layout	12LYF873
Eff. date	05-05-2026
CD Diagram	CD0180
Poles	04
Leads	9#8
Proprietary	False
Created date	05-29-2018

Heater Indicator	No Heater
High Voltage Full Load Amps	48.0 a
Insulation Class	F
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
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	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	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

NP1044XPSLEV												
NO.						**CC**	010A					
SER.						**TEMP CODE**	T3C					
SPEC.	12F873Y276G1											
CAT.NO.	EM7562T-I											
HP	40											
VOLTS	230/460											
AMPS	96/48											
RPM	1775					**MOTOR WEIGHT**	720					
HERTZ	60	**PH**	3	**CL**	F	**DE BRG**	6312					
SER.F.	1.15	**DES**	A	**CODE**	H	**ODE BRG**	6311					
FRAME	324T	**GREASE**	POLYREX EM									
RATING	40C AMB-CONT											
				NEMA-NOM-EFF		94.1	**PF**	82				
	55C AMB @ 1.0 SF,60C RISE											

AC Induction Motor Performance Data
Record # 38121
Typical performance - not guaranteed values

Winding: 12WGY276-R009	**Type:** 1254M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			40	**Full Load Torque**	118 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			96/48	**Breakdown Torque**	386 LB-FT
R.P.M.			1775	**Pull-up Torque**	193 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	216 LB-FT
NEMA Design Code	A	**KVA Code**	H	**Starting Current**	338 A
Service Factor (S.F.)			1.15	**No-load Current**	19.9 A
NEMA Nom. Eff.	94.1	**Power Factor**	82	**Line-line Res. @ 25ºC**	0.14898 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	54°C
S.F. Amps				**Temp. Rise @ S.F. Load**	64°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**	**S.F.**
Power Factor	47	69	78	83	85	85	84
Efficiency	90.1	93.5	94.2	94.2	93.8	93.1	94
Speed	1793.5	1788	1782.5	1776.6	1770.7	1764.1	1773
Line amperes	22.9	29.5	38.4	48.1	59.2	70.8	54.8

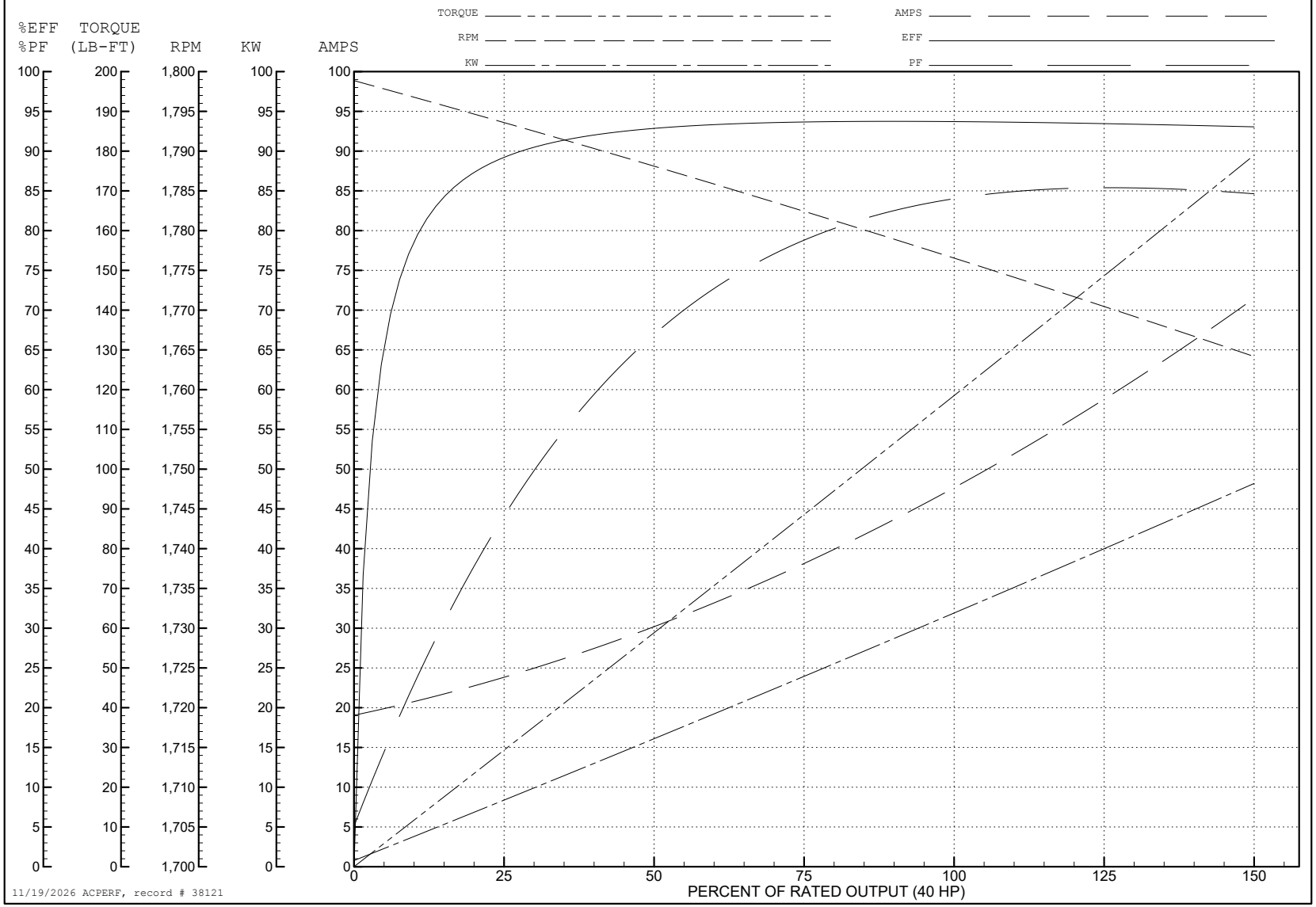
ABB Motors and Mechanical Inc.

WINDING # 12WGY276

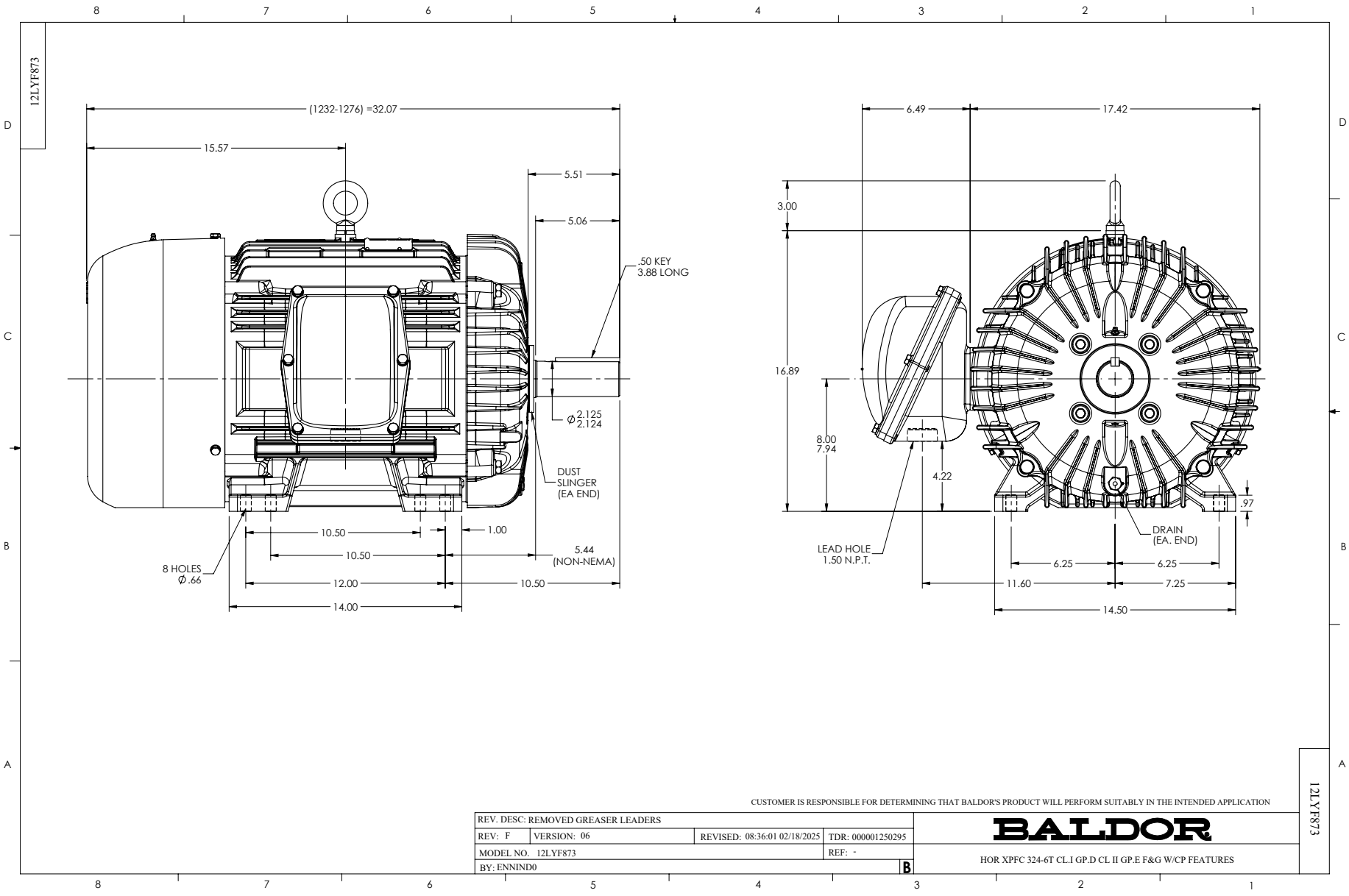
40 HP 3 PH 60 HZ 1775 RPM 460 V 1254M

Typical performance - not guaranteed values.

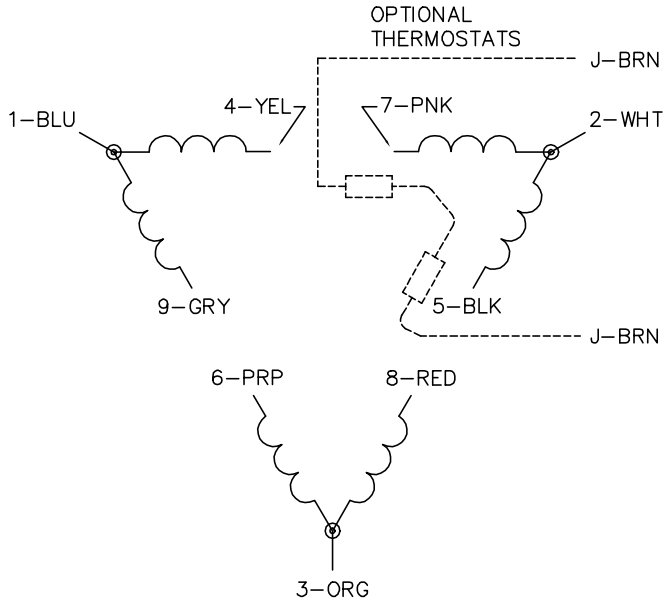
TORQUES(LB-FT): PO=386 PU=193 LR=216 LRA=338

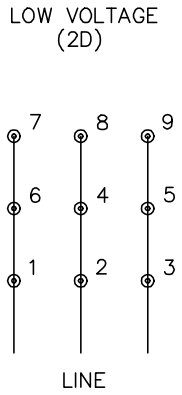


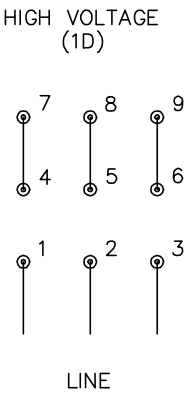
11/19/2026 ACPERF, record # 38121


12LYF873
(1232-1276) =32.07
15.57
5.51
5.06
.50 KEY
3.88 LONG
Ø 2.125
2.124
DUST
SLINGER
(EA END)
10.50
1.00
10.50
5.44
(NON-NEMA)
8 HOLES
Ø .66
12.00
10.50
14.00
6.49
17.42
3.00
16.89
8.00
7.94
4.22
.97
LEAD HOLE
1.50 N.P.T.
DRAIN
(EA. END)
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: REMOVED GREASER LEADERS
REV: F
VERSION: 06
REVISED: 08:36:01 02/18/2025
TDR: 000001250295
MODEL NO. 12LYF873
REF: -
BY: ENNIND0
B
BALDOR
HOR XPFC 324-6T CL.I GP.D CL II GP.E F&G W/CP FEATURES
12LYF873

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