ABB BALDOR RELIANCE

Customer information packet

JMEWDM4110T

40HP, 1770RPM, 3PH, 60HZ, 324JM, TEFC, F1
Class - None
Division - Not Applicable

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11/17/2026 8:31:44 AM

Specifications

Enclosure	TEFC
Frame	324JM
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	92.000 A @ 230.0 V
	46.000 A @ 460.0 V
	102.000 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater

Part Detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	12WGY859
Layout	12LYL057
Eff. date	02-21-2024
CD Diagram	CD0180
Poles	04
Leads	9#8
Proprietary	False
Created date	01-15-2020

High Voltage Full Load Amps	46.0 a
Insulation Class	F
Inverter Code	Not Inverter
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	1260M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	30.53 IN
Power Factor	86
Product Family	Washdown Features
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1770 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.	JMEWDM4110T							
SPEC.	12-0000-1426							
HP	40							
VOLTS	230/460							
AMP	92/46							
RPM	1770							
FRAME	324JM	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	F	**DES**	B	**CLASS**	F	
NEMA-NOM-EFF	94.1	**PF**	86					
RATING	40C AMB-CONT							
CC	010A							
DE	6312	**ODE**	6311					
ENCL	TEFC	**SN**						
BLANK	20:1 CT & VT,1.0SF							

AC Induction Motor Performance Data
Record # 48093
Typical performance - not guaranteed values

Winding: 12WGY859-R001	**Type:** 1260M	**Enclosure:** TEFC

Nameplate Data			
Rated Output (HP)			40
Volts			230/460
Full Load Amps			92/46
R.P.M.			1770
Hz	60	**Phase**	3
NEMA Design Code	B	**KVA Code**	F
Service Factor (S.F.)			1.15
NEMA Nom. Eff.	94.1	**Power Factor**	86
Rating - Duty			40C AMB-CONT
S.F. Amps			

460 V, 60 Hz: High Voltage Connection	
Full Load Torque	118 LB-FT
Start Configuration	direct on line
Breakdown Torque	305 LB-FT
Pull-up Torque	146 LB-FT
Locked-rotor Torque	173 LB-FT
Starting Current	273 A
No-load Current	14.3 A
Line-line Res. @ 25ºC	0.16401 Ω
Temp. Rise @ Rated Load	62°C
Temp. Rise @ S.F. Load	78°C
Locked-rotor Power Factor	27
Rotor inertia	7.99 LB-FT2

Load Characteristics 460 V, 60 Hz, 40 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	57	77	84	86	87	86	87
Efficiency	92.6	94.7	94.8	94.3	93.5	92.5	93.8
Speed	1794.1	1788	1780.8	1773.7	1765.2	1756.6	1769
Line amperes	18.1	25.6	35.6	46.1	57.9	70.1	53.2

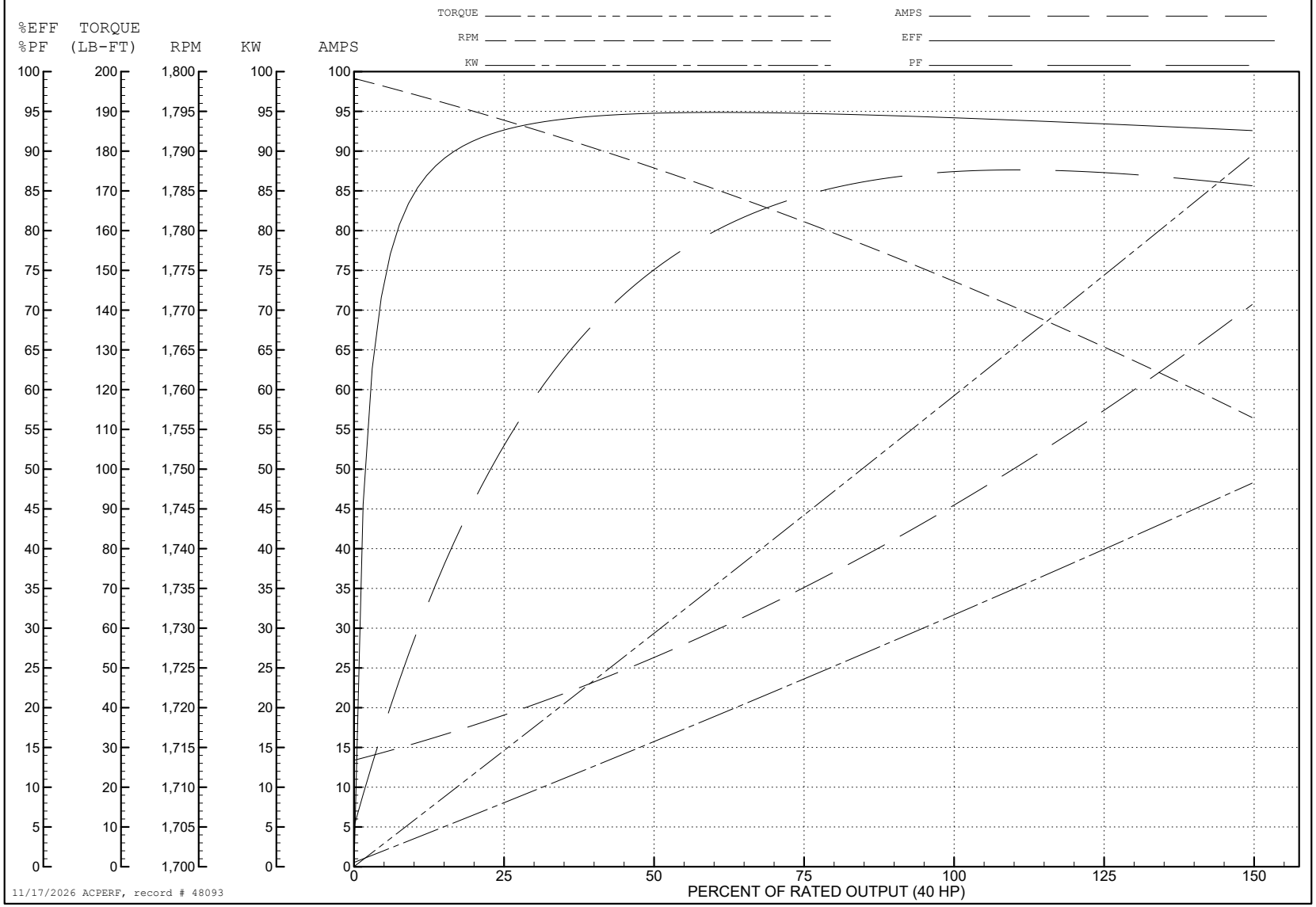
ABB Motors and Mechanical Inc.

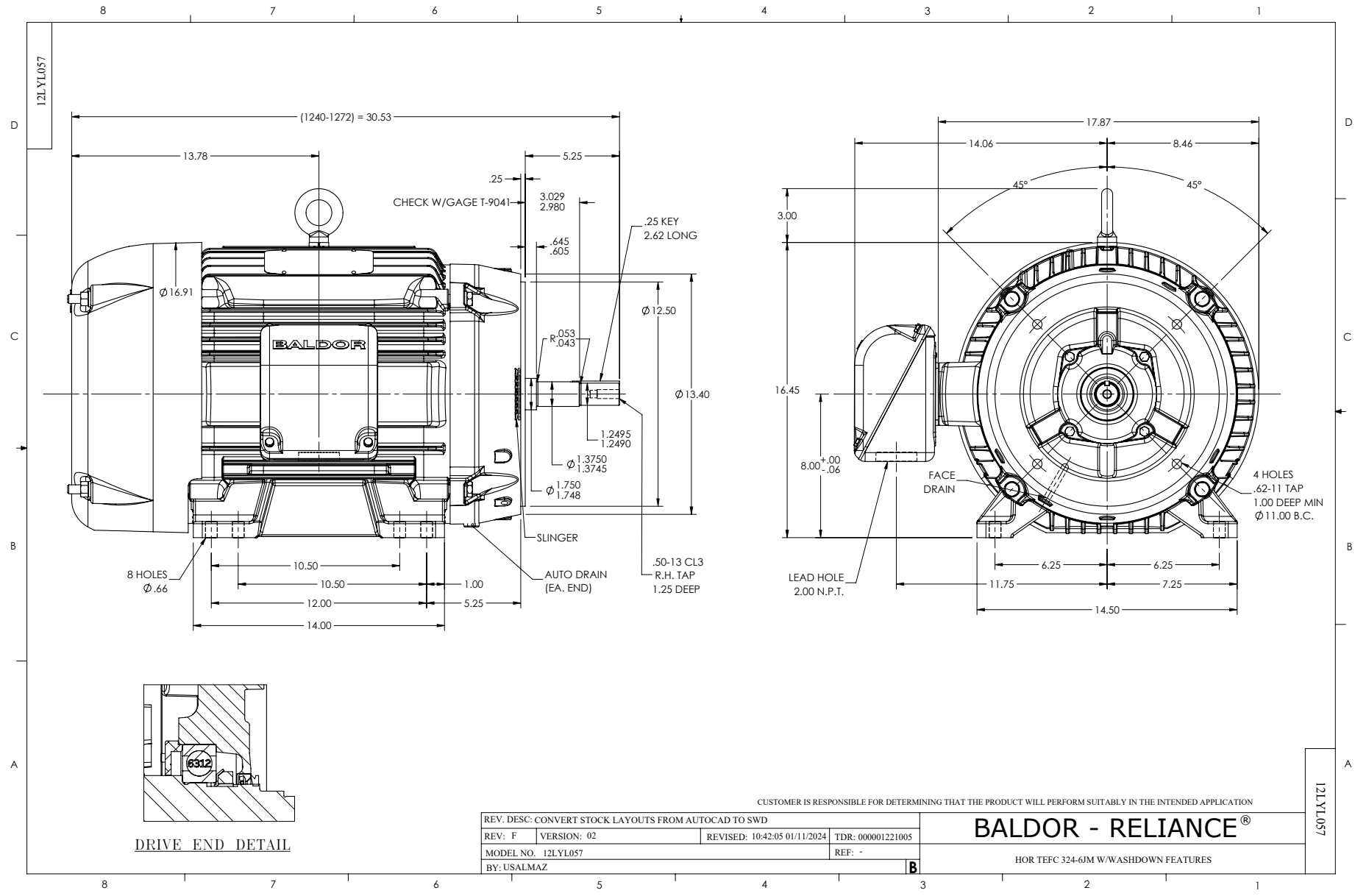
WINDING # 12WGY859

40 HP 3 PH 60 HZ 1770 RPM 460 V 1260M

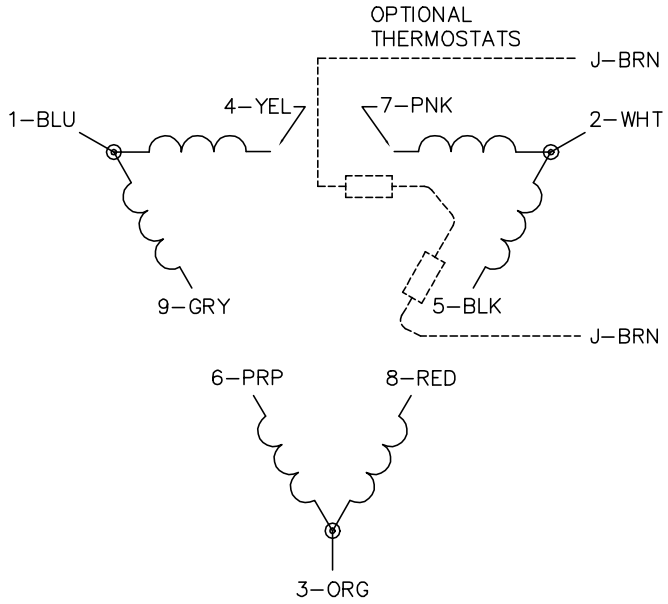
Typical performance - not guaranteed values.

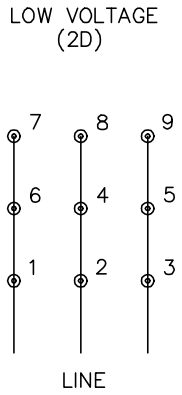
TORQUES(LB-FT): PO=305 PU=146 LR=173 LRA=273

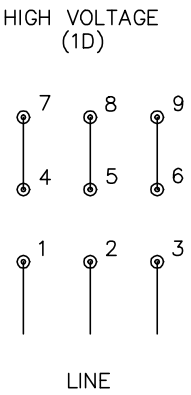



12LYL057
(1240-1272) = 30.53
13.78
5.25
.25
CHECK W/GAGE T-9041
3.029
2.980
.25 KEY
2.62 LONG
.645
.605
Ø16.91
Ø12.50
R.053
.043
Ø13.40
1.2495
1.2490
Ø1.3750
1.3745
Ø1.750
1.748
SLINGER
AUTO DRAIN
(EA. END)
.50-13 CL3
R.H. TAP
1.25 DEEP
8 HOLES
Ø.66
10.50
10.50
1.00
12.00
5.25
14.00
17.87
14.06
8.46
45°
45°
3.00
16.45
8.00 +.00 -.06
FACE
DRAIN
4 HOLES
.62-11 TAP
1.00 DEEP MIN
Ø11.00 B.C.
LEAD HOLE
2.00 N.P.T.
6.25
6.25
11.75
7.25
14.50
6312
DRIVE END DETAIL
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: CONVERT STOCK LAYOUTS FROM AUTOCAD TO SWD
REV: F
VERSION: 02
REVISED: 10:42:05 01/11/2024
TDR: 000001221005
MODEL NO. 12LYL057
REF: -
BY: USALMAZ
B
BALDOR - RELIANCE®
HOR TEFC 324-6JM W/WASHDOWN FEATURES
12LYL057

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

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