

# ABB BALDOR RELIANCE III

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## Customer information packet

EFM4110T

40HP, 1775RPM, 3PH, 60HZ, 324T, 1254M, TEFC, F2

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	324T
<b>Frame Material</b>	Iron
<b>Frequency</b>	60.00 Hz
<b>Haz Area Class and Group</b>	None
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	40.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	460.0 V @ 60 HZ 230.0 V @ 60 HZ
<b>Agency Approvals</b>	CURUSEEV NEMA PREMIUM NEMA PREMIUM (OLD LOGO)
<b>Ambient Temperature</b>	40 °C
<b>Auxiliary Box</b>	NO AUXILLARY BOX
<b>Auxiliary Box Lead Termination</b>	None
<b>Base Indicator</b>	Rigid
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)
<b>Blower</b>	None
<b>Current @ Voltage</b>	48.000 A @ 460.0 V 96.000 A @ 230.0 V 102.000 A @ 208.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	94.1 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Face Code</b>	Standard
<b>Front Shaft Indicator</b>	None

**Part Detail**

<b>Revision</b>	AC
<b>Type</b>	AC
<b>Mech. spec.</b>	12C56
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	12WGY276
<b>Layout</b>	12LYC056
<b>Eff. date</b>	05-05-2026
<b>CD Diagram</b>	CD0180
<b>Poles</b>	04
<b>Leads</b>	9#8
<b>Proprietary</b>	False
<b>Created date</b>	08-09-2011

Heater Indicator	No Heater
High Voltage Full Load Amps	48.0 a
Insulation Class	F
Inverter Code	Inverter Ready
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	1254M
Mounting Arrangement	F2
Number of Poles	4
Overall Length	30.28 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
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	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None

**Winding Thermal 2**

**None**

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**Nameplate**

<b>NP3443LUA</b>									
<b>CAT.NO.</b>	EFM4110T			<b>CUST. P/N</b>			<b>ENCL</b>		TEFC
<b>SPEC.</b>	12C056Y276G2	<b>CC</b>	010A	<b>FRAME</b>	324T	<b>SER.NO.</b>			
<b>HP</b>	40	<b>CLASS</b>		F	<b>HZ</b>	60			
<b>R.P.M.</b>	1775	<b>PH.</b>	3	<b>DES.</b>		A			
<b>VOLTS</b>	230/460		<b>CODE</b>		H	<b>ODE BRG</b>	6311	<b>DE BRG</b>	6312
<b>AMPS</b>	96/48								
<b>RATING</b>	40C AMB-CONT		<b>NEMA NOM. EFF.</b>		94.1	<b>GREASE</b>		POLYREX EM	
<b>P.F.</b>	82	<b>SER.F.</b>	1.15	<b>CT6-60H(10:1)VT3-60H(20:1)</b>					
<b>USABLE AT</b>	50HZ 40HP 190/380V 114/57A			SF1.0					
<b>VOLTS</b>	<b>AMPS</b>	<b>MAX. SPACE HEATER TEMP.</b>							

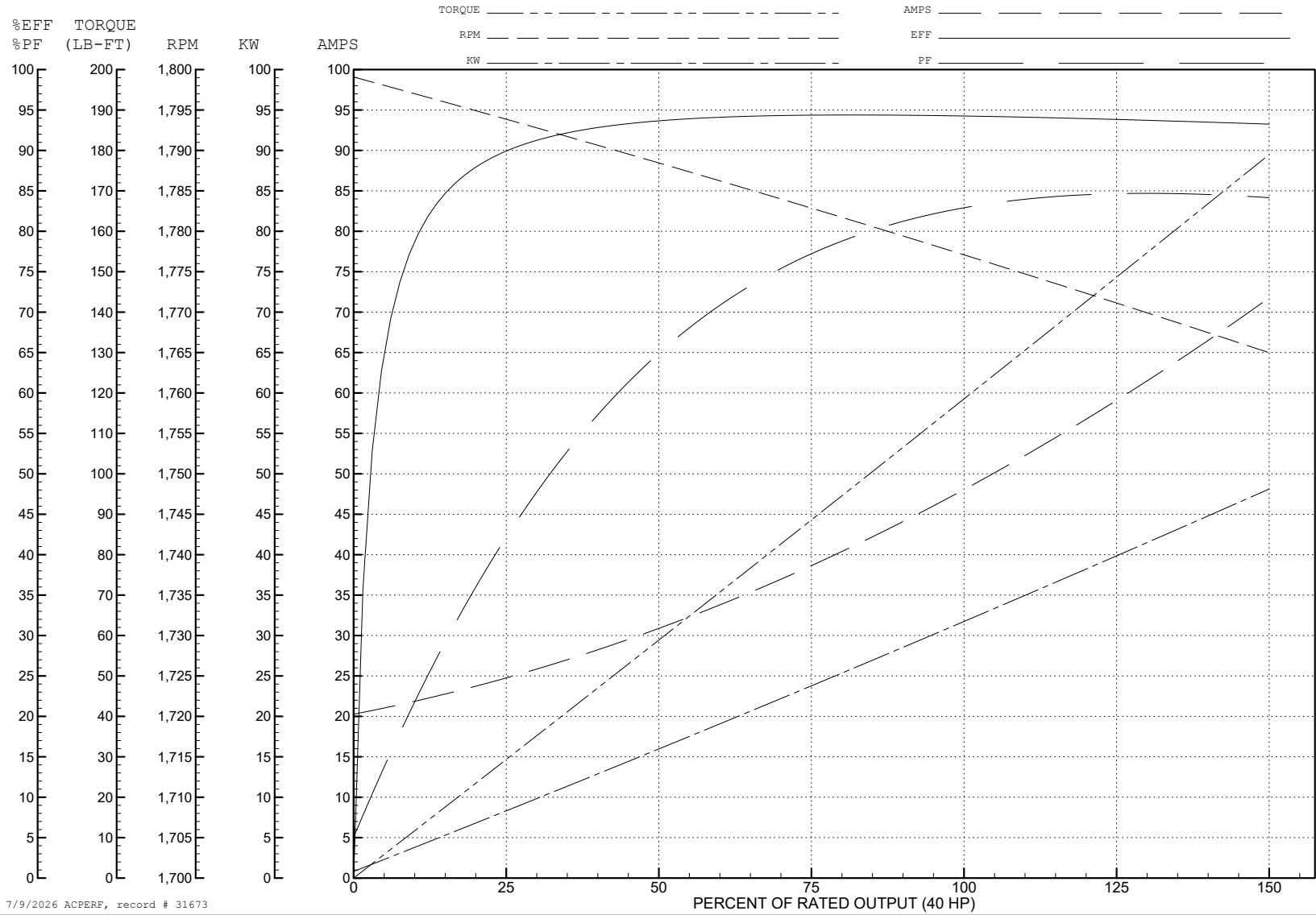
ABB Motors and Mechanical Inc.

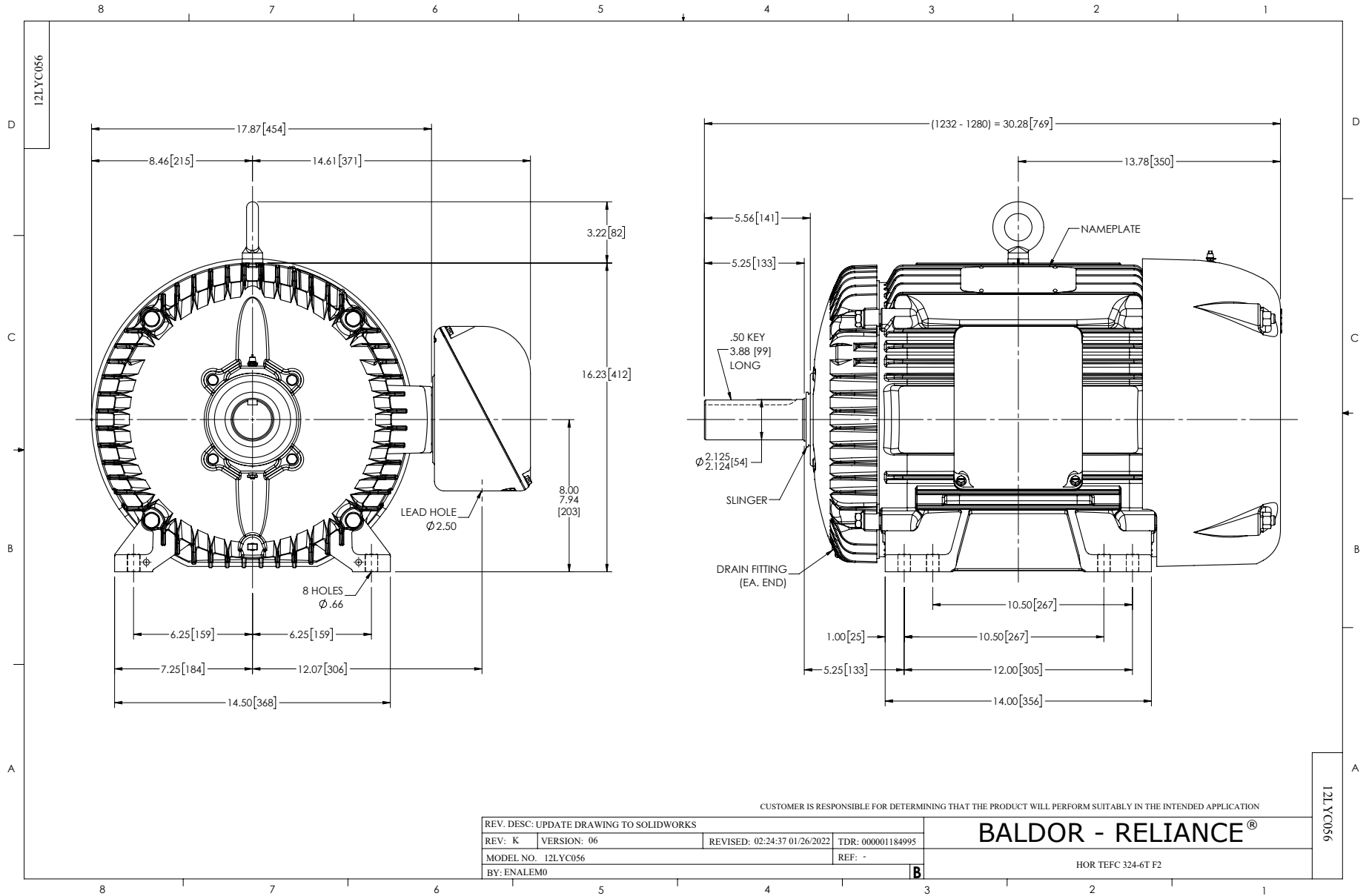
WINDING # 12WGY276

Typical performance - not guaranteed values.

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

TORQUES (LB-FT): PO=396 PU=198 LR=222 LRA=347

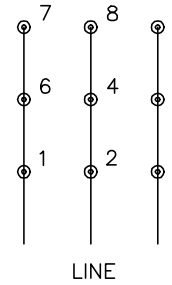




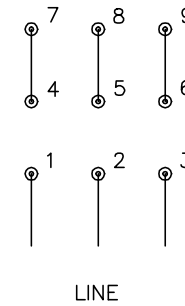
CD0180



LOW VOLTAGE  
(2D)



HIGH VOLTAGE  
(1D)



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: ENBRIRO
MTL: -	© □	

**BALDOR - RELIANCE®**

3PH, DV, 9 LEADS, DELTA CONNECTION

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