

# ABB BALDOR RELIANCE III

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## Customer information packet

EWDM4107T

25HP, 3520RPM, 3PH, 60HZ, 284TS, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	284TS
<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>	25.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	3600 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA CSA EEV NEMA PREMIUM UR
<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>	58.000 A @ 230.0 V 29.000 A @ 460.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	91.7 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Enclosure Modification</b>	Severe Duty Features
<b>Feedback Device</b>	NO FEEDBACK
<b>Heater Indicator</b>	No Heater

**Part Detail**

<b>Revision</b>	J
<b>Type</b>	AC
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	09WGT577
<b>Layout</b>	09LYK556
<b>Eff. date</b>	02-14-2024
<b>CD Diagram</b>	CD0005
<b>Poles</b>	02
<b>Leads</b>	9#10
<b>Proprietary</b>	False
<b>Created date</b>	08-14-2019

<b>High Voltage Full Load Amps</b>	29.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready
<b>IP Rating</b>	IP55
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	5400 rpm
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	0944M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	24.47 IN
<b>Power Factor</b>	88
<b>Product Family</b>	Washdown Features
<b>Pulley Face Code</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.00
<b>Shaft Diameter</b>	1.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	3520 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	None
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

<b>NP1669L</b>									
<b>CAT.NO.</b>	EWDM4107T								
<b>SPEC.</b>	09-0000-1720								
<b>HP</b>	25								
<b>VOLTS</b>	230/460 10:1 CT/VT								
<b>AMP</b>	58/29								
<b>RPM</b>	3520								
<b>FRAME</b>	284TS		<b>HZ</b>	60		<b>PH</b>	3		
<b>SER.F.</b>	1.00	<b>CODE</b>	J	<b>DES</b>	A	<b>CLASS</b>	F		
<b>NEMA-NOM-EFF</b>	91.7	<b>PF</b>	88						
<b>RATING</b>	40C AMB-CONT								
<b>CC</b>	010A								
<b>DE</b>	6311		<b>ODE</b>	6208					
<b>ENCL</b>	TEFC	<b>SN</b>							
<b>BLANK</b>	1.15SF ON SINEWAVE								

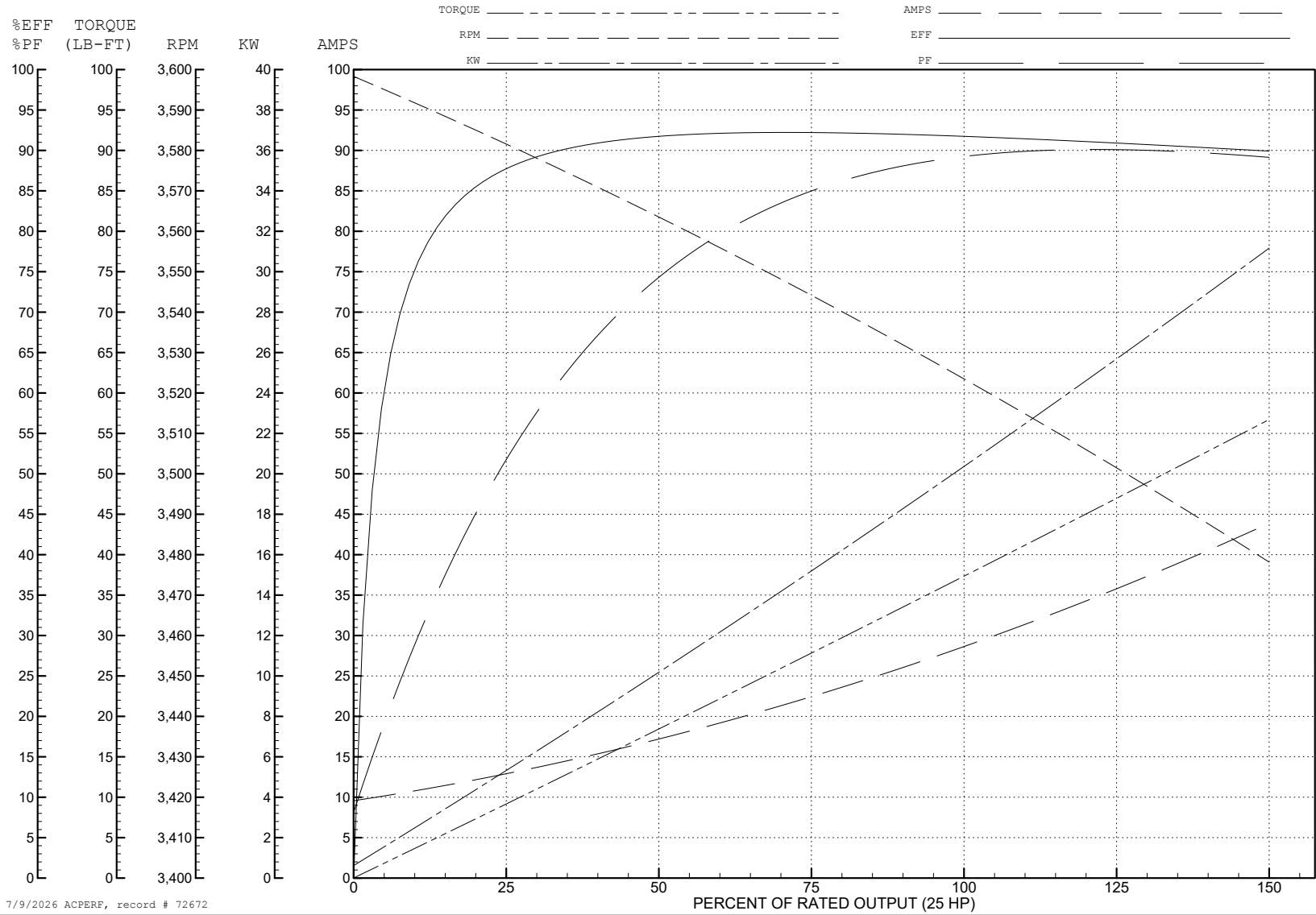
ABB Motors and Mechanical Inc.

WINDING # 09WGT577

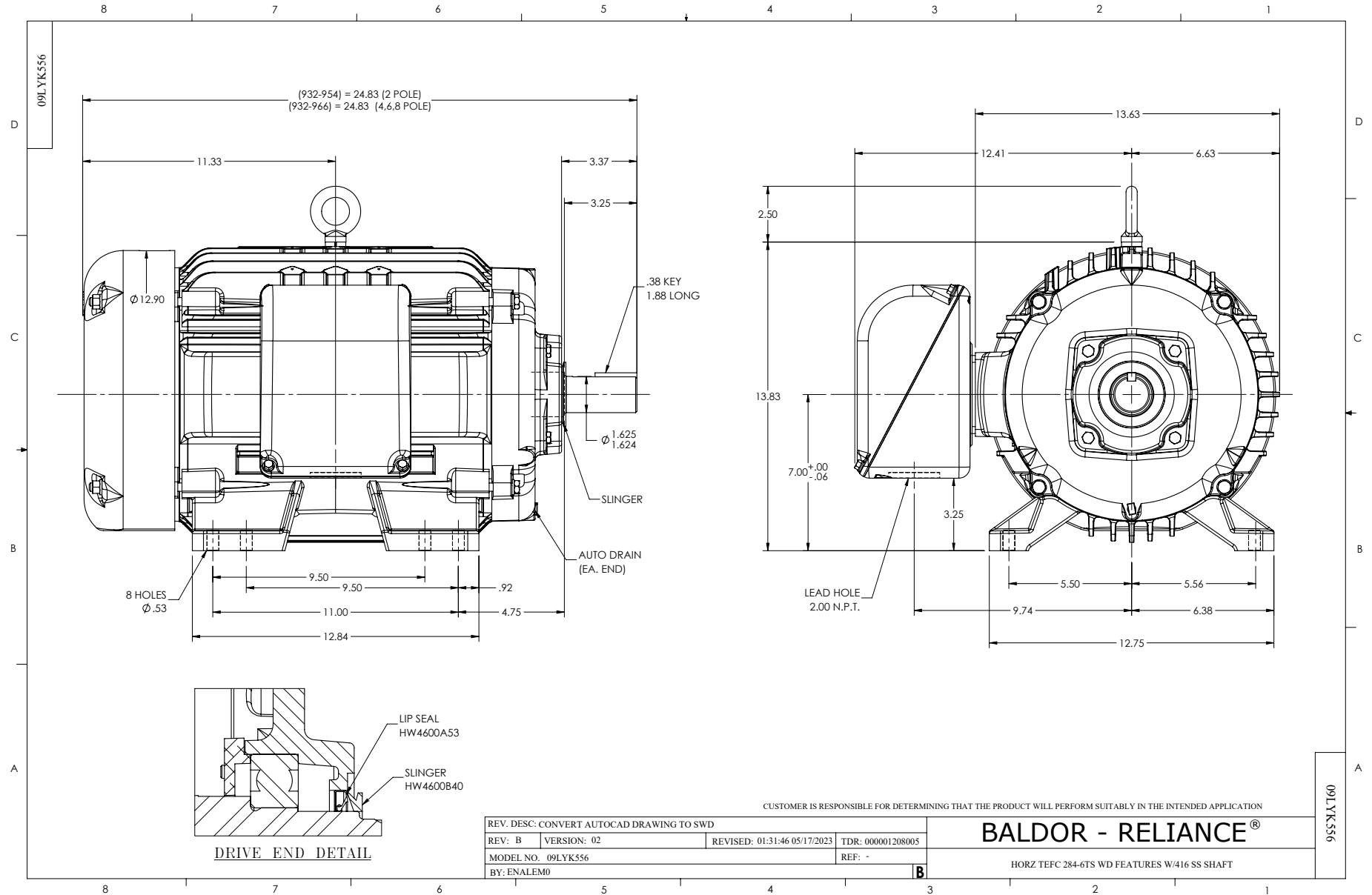
25 HP 3 PH 60 HZ 3520 RPM 460 V 0944M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=153 PU=58.5 LR=75 LRA=223



7/9/2026 ACPERF, record # 72672



CD0005



LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

**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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
S00000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS