

# **ABB BALDOR RELIANCE III**

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## **Customer information packet** CEWDM23934T-5

20HP, 1765RPM, 3PH, 60HZ, 256TC, 3952M, TEFC, F

Class -

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	256TC
<b>Frame Material</b>	Steel
<b>Frequency</b>	60.00 Hz
<b>Haz Area Division</b>	Not Applicable
<b>Motor Letter Type</b>	Three Phase
<b>Output @ Frequency</b>	20.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	575.0 V @ 60 HZ
<b>Agency Approvals</b>	CSA CSA EEV 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>	19.000 A @ 575.0 V
<b>Design Code</b>	B
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	93.0 %
<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
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	19.0 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Ready

**Part Detail**

<b>Revision</b>	BC
<b>Type</b>	AC
<b>Mech. spec.</b>	39R098
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	39WGX438
<b>Layout</b>	39LYR098
<b>Eff. date</b>	01-22-2025
<b>CD Diagram</b>	CD0006
<b>Poles</b>	04
<b>Leads</b>	3#12
<b>Proprietary</b>	False
<b>Created date</b>	01-01-0001

<b>KVA Code</b>	H
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Exit</b>	Ko Box
<b>Motor Lead Quantity/Wire Size</b>	3 @ 12 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3952M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	23.57 IN
<b>Power Factor</b>	84
<b>Product Family</b>	Wash Down
<b>Pulley End Bearing Type</b>	Sealed Bearing
<b>Pulley Face Code</b>	C-Face
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	1.625 IN
<b>Shaft Extension Location</b>	Pulley End
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	Shaft Slinger
<b>Speed</b>	1765 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

**Nameplate**

<b>NP1669L</b>										
<b>CAT.NO.</b>	CEWDM23934T-5									
<b>SPEC.</b>	39R098X438G1									
<b>HP</b>	20									
<b>VOLTS</b>	575									
<b>AMP</b>	19									
<b>RPM</b>	1765									
<b>FRAME</b>	256TC	<b>HZ</b>	60		<b>PH</b>	3				
<b>SER.F.</b>	1.15	<b>CODE</b>	H	<b>DES</b>	A	<b>CLASS</b>	F			
<b>NEMA-NOM-EFF</b>	91	<b>PF</b>	84							
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A									
<b>DE</b>	6309	<b>ODE</b>	6208							
<b>ENCL</b>	TEFC	<b>SN</b>								
<b>BLANK</b>										

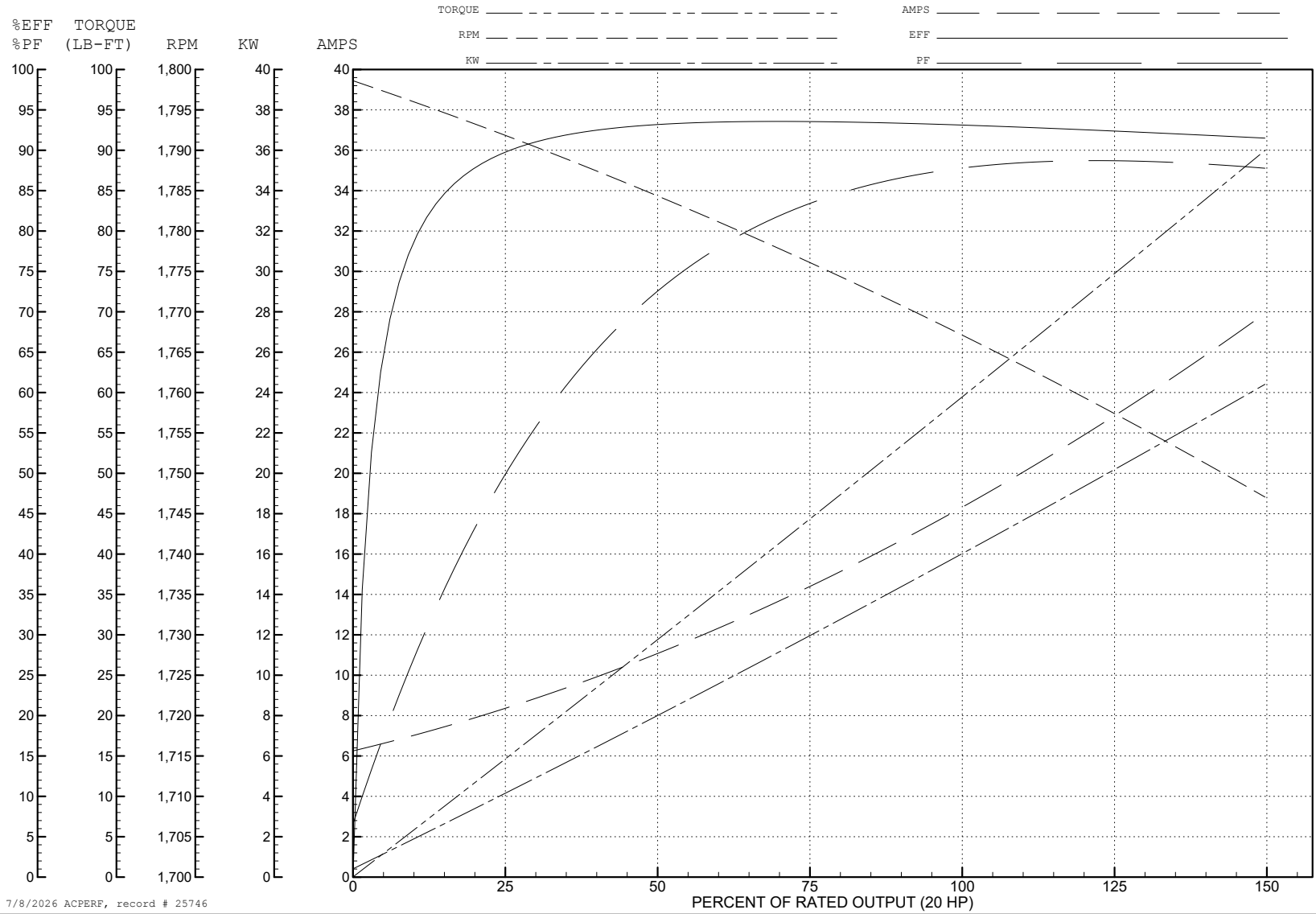
ABB Motors and Mechanical Inc.

WINDING # 39WGx438

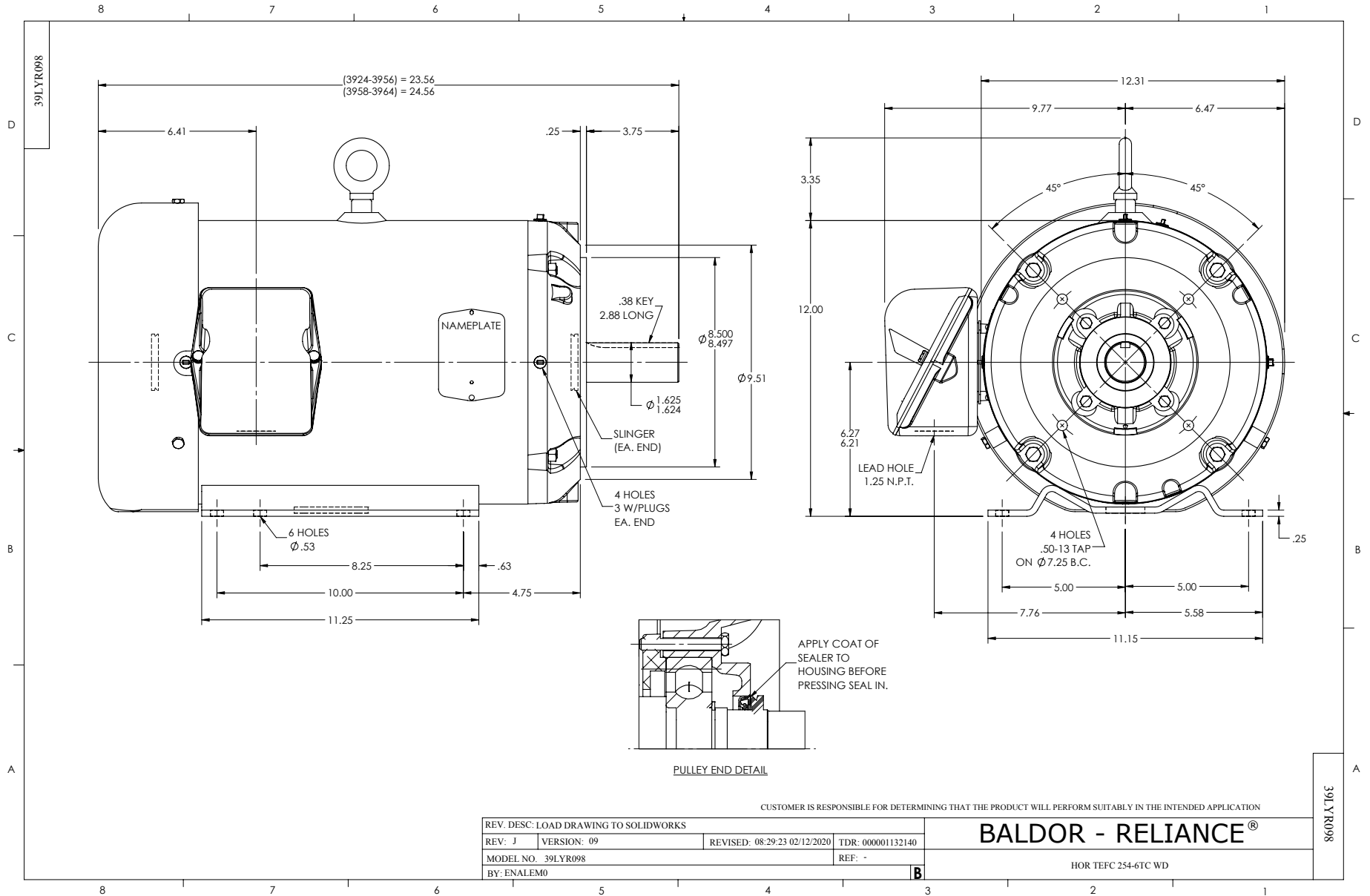
Typical performance - not guaranteed values.

20 HP 3 PH 60 HZ 1765 RPM 575 V 3952M

TORQUES (LB-FT): PO=189 PU=77.4 LR=118 LRA=134



7/8/2026 ACPERF, record # 25746



CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

CD0006

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: E	VERSION: 01	TDR: 000001099922
FILE: \AAA\00005\141	REVISED: 10:24:49 02/19/2019	BY: ENBRIRO
MTL: -		© □

**BALDOR - RELIANCE®**

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

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