

# ABB BALDOR RELIANCE III

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## Customer information packet

### SPM3910T

15HP, 1770RPM, 3PH, 60HZ, 254T, 3958M, TEFC, F1

Class - None

Division - Not Applicable

**Specifications**

<b>Enclosure</b>	TEFC
<b>Frame</b>	254T
<b>Frame Material</b>	Steel
<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>	15.000 HP @ 60 HZ
<b>Phase</b>	3
<b>Synchronous Speed @ Frequency</b>	1800 RPM @ 60 HZ
<b>Voltage @ Frequency</b>	230.0 V @ 60 HZ 460.0 V @ 60 HZ
<b>Agency Approvals</b>	CURUSEEV NEMA PREMIUM 4 WEEE
<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>	18.300 A @ 460.0 V 36.600 A @ 230.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	93.6 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>Front Shaft Indicator</b>	None
<b>Heater Indicator</b>	No Heater
<b>High Voltage Full Load Amps</b>	18.3 a

**Part Detail**

<b>Revision</b>	C
<b>Type</b>	AC
<b>Mech. spec.</b>	39E762
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	39WGY450
<b>Layout</b>	39LYE762
<b>Eff. date</b>	12-18-2025
<b>CD Diagram</b>	CD0180
<b>Poles</b>	04
<b>Leads</b>	9#12 Y
<b>Proprietary</b>	False
<b>Created date</b>	10-24-2023

<b>Insulation Class</b>	F
<b>Inverter Code</b>	Inverter Duty
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Max Speed</b>	2700 rpm
<b>Motor Lead Quantity/Wire Size</b>	9 @ 12 AWG
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3958M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	4
<b>Overall Length</b>	24.56 IN
<b>Power Factor</b>	82
<b>Product Family</b>	General Purpose
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	Standard
<b>Pulley Shaft Indicator</b>	Standard
<b>Rodent Screen</b>	None
<b>RoHS Status</b>	ROHS COMPLIANT
<b>Service Factor</b>	1.25
<b>Shaft Diameter</b>	1.625 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Shaft Slinger Indicator</b>	No Slinger
<b>Speed</b>	1770 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**

**NP4423A01A05L**

<b>CAT #</b>	SPM3910T		<b>WGT</b>	290	<b>LBS</b>	
<b>SPEC</b>	39E762Y450		<b>ENCL</b>	TEFC		
<b>SER #</b>		<b>CC</b>	010A	<b>IP</b>	54	
<b>HP</b>	15	<b>MAG CUR</b>	15.2/7.6			
<b>VOLTS</b>	230/460		<b>NEMA NOM. EFF</b>	93.6		
<b>AMPS</b>	36.6/18.3		<b>PF</b>	82		
<b>RATING</b>	40C AMB-CONT					
<b>RPM</b>	1770		<b>MAX RPM</b>	2700		
<b>FRAME</b>	254T	<b>HZ</b>	60	<b>CODE</b>	J	<b>CLASS</b> F
<b>SER.F.</b>	1.25	<b>SF AMP</b>	45.4/22.7		<b>PH</b>	3 <b>DES</b> A
<b>DE</b>	6309	<b>ODE</b>	6208			
<b>LUBRICATION</b>	POLYREX EM					
<b>ID LOGO</b>	<b>INVERTER TYPE</b>	<b>VPWM</b>	<b>CHP</b>	60	<b>TO</b>	90 1.5:1
<b>ID LOGO</b>	<b>WK2</b> 2.54	<b>CT</b> 6	<b>TO</b>	60	10:1	
<b>ID LOGO</b>	<b>SL HZ</b> 1	<b>VT</b> 3	<b>TO</b>	60	20:1	
<b>YR</b>			<b>QR</b>			

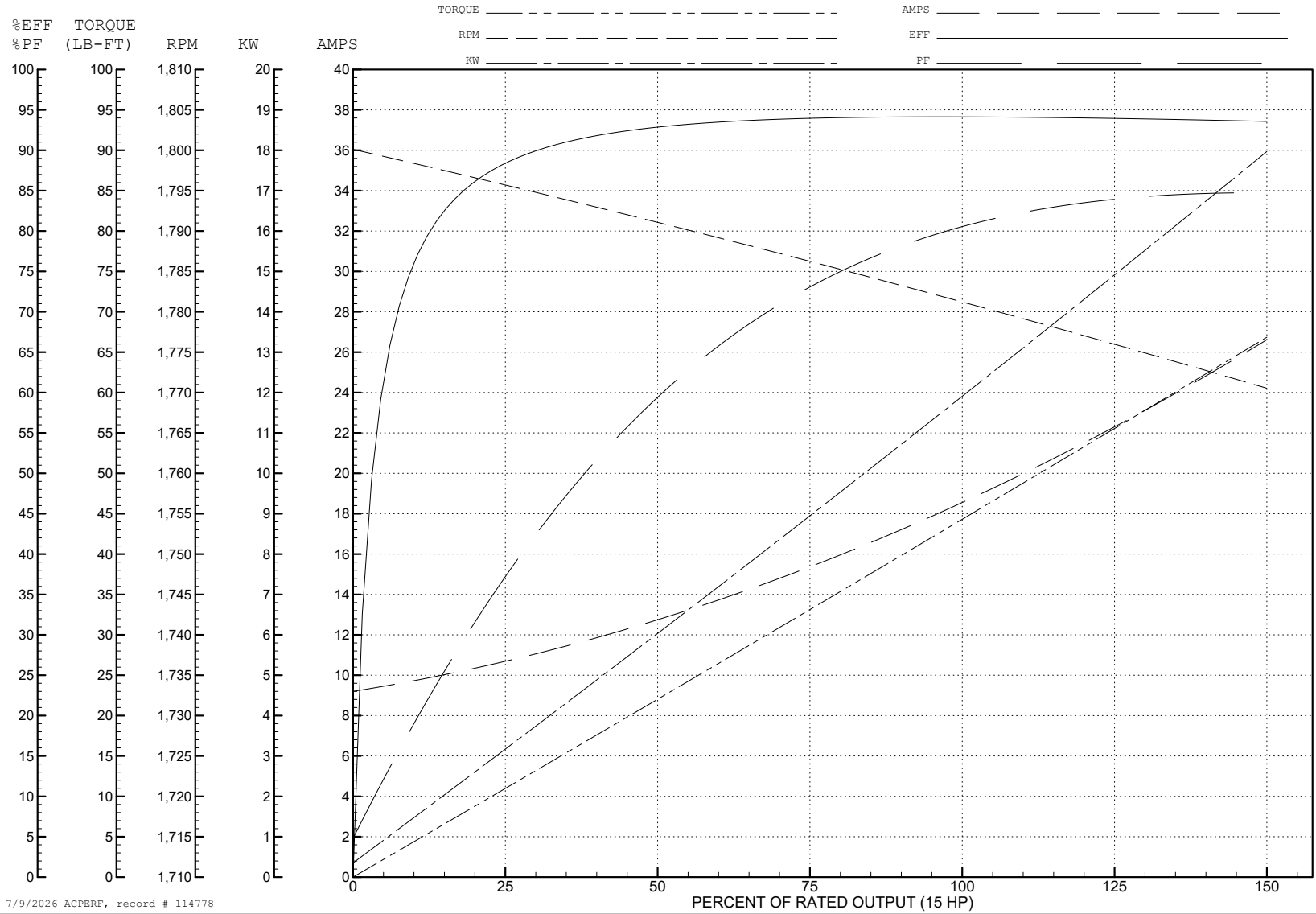
ABB Motors and Mechanical Inc.

WINDING # 39WGY450

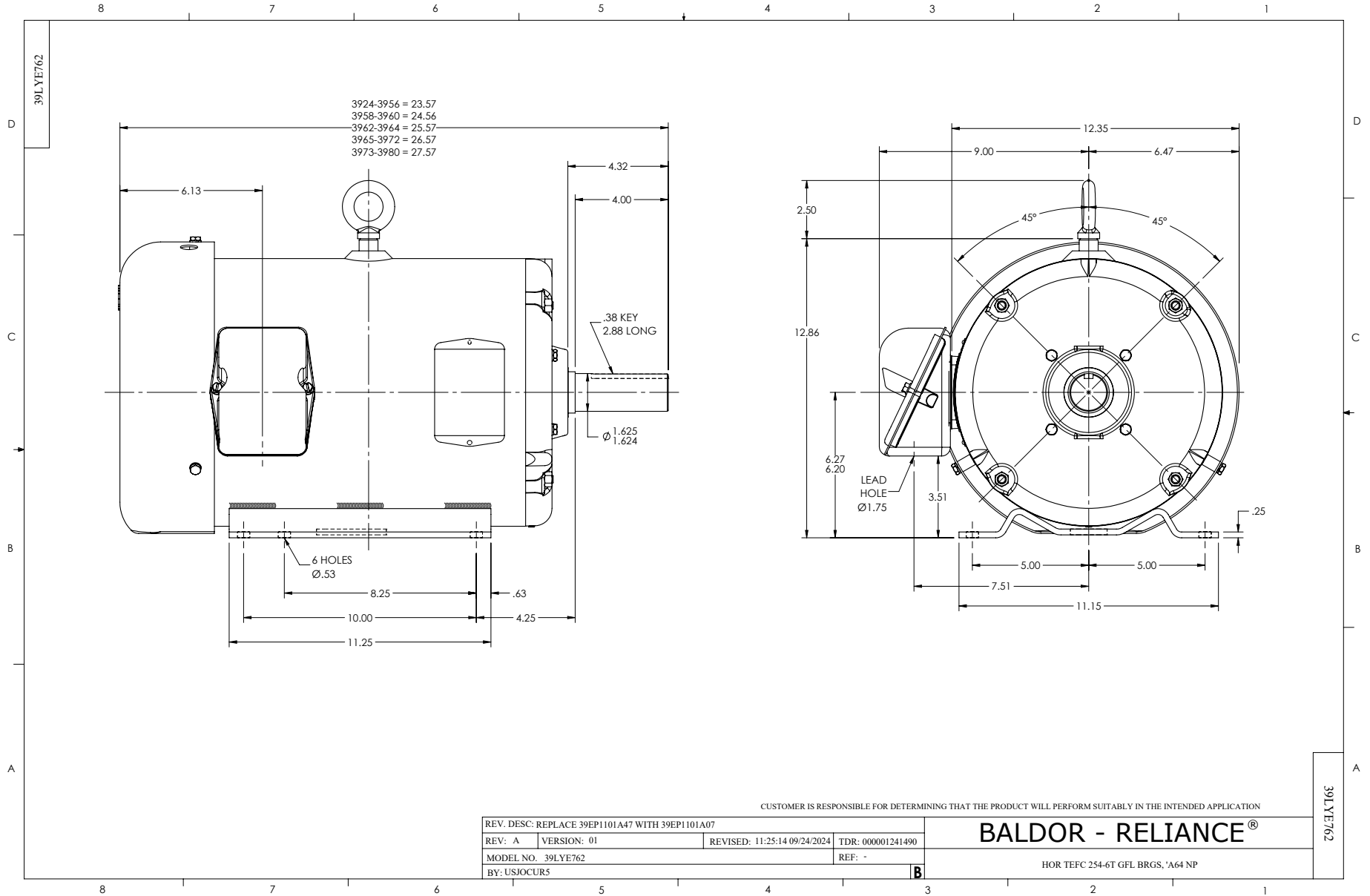
Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1770 RPM 460 V 3958M

TORQUES (LB-FT): PO=216 PU=102 LR=128 LRA=174



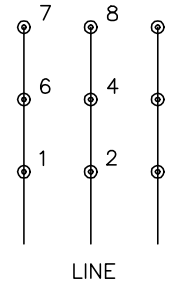
7/9/2026 ACPERF, record # 114778



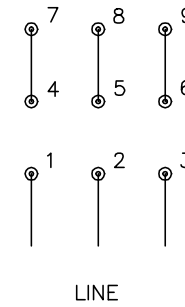
CD0180



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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