

ABB BALDOR RELIANCE III

Customer information packet

SPM2513T

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

Class - None

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	254T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 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	CURUSEEV NEMA PREMIUM 4 WEEE
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	18.300 A @ 460.0 V 36.600 A @ 230.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	18.3 a

Part Detail

Revision	D
Type	AC
Mech. spec.	39E761
Base	
Status	PRD/A
Elec. spec.	39WGY450
Layout	39LYE761
Eff. date	12-15-2025
CD Diagram	CD0180
Poles	04
Leads	9#12
Proprietary	False
Created date	09-05-2023

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3958M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.20 IN
Power Factor	82
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.25
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
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

NP4423A01A05L

CAT #	SPM2513T			WGT	290	LBS	
SPEC	39E761Y450			ENCL	OPSB		
SER #		CC	010A	IP	23		
HP	15	MAG CUR	15.2/7.6				
VOLTS	230/460			NEMA NOM. EFF	93.6		
AMPS	36.6/18.3			PF	82		
RATING	40C AMB-CONT						
RPM	1770			MAX RPM	2700		
FRAME	254T	HZ	60	CODE	J	CLASS	F
SER.F.	1.25	SF AMP	29.6/24.8		PH	3	DES A
DE	6309		ODE	6208			
LUBRICATION	POLYREX EM						
ID LOGO	INVERTER TYPE	VPWM	CHP	60	TO	90	1.5:1
ID LOGO	WK2	2.54	CT	6	TO	60	10:1
ID LOGO	SL HZ	1	VT	3	TO	60	20:1
YR				QR			

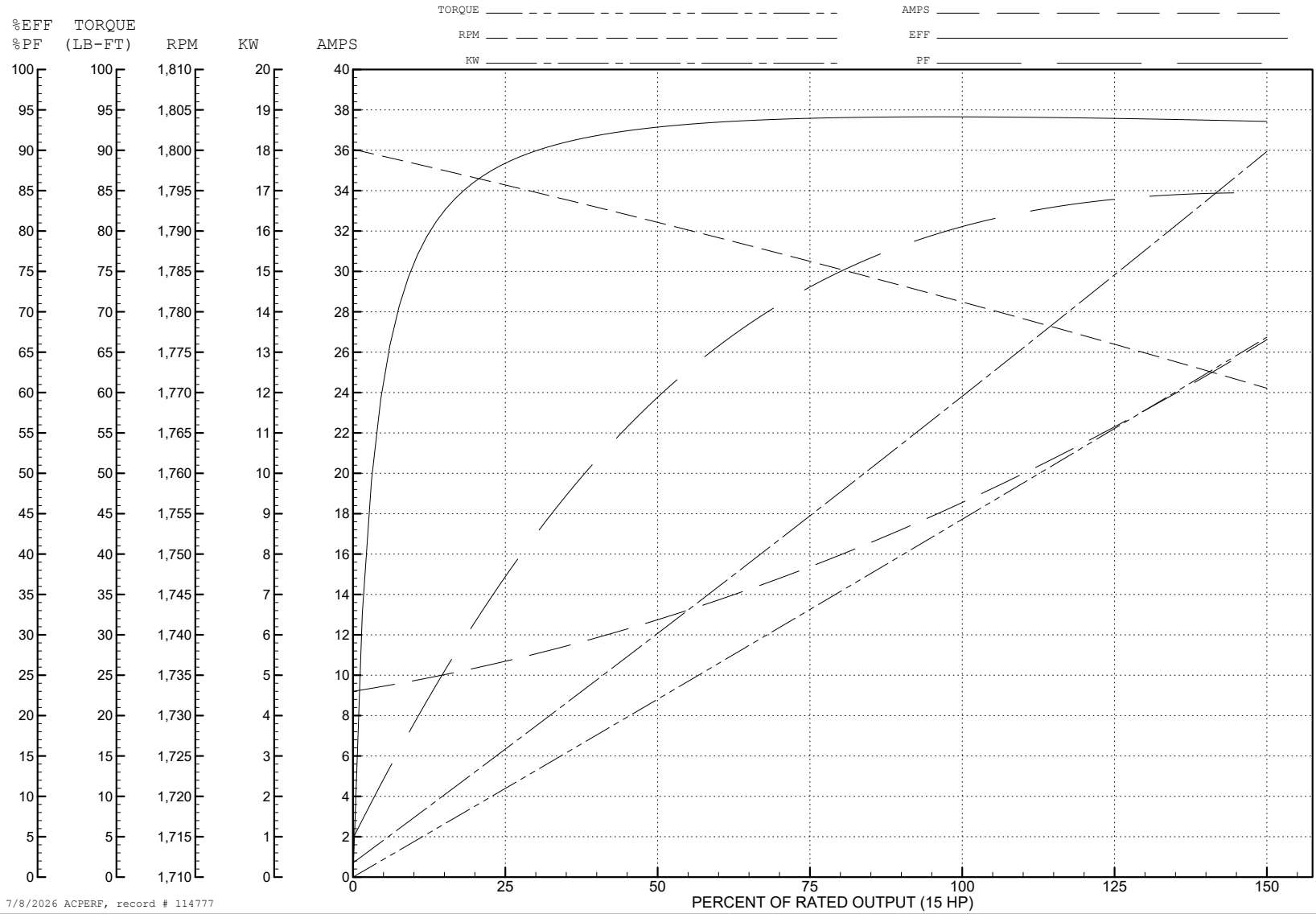
ABB Motors and Mechanical Inc.

WINDING # 39WGY450

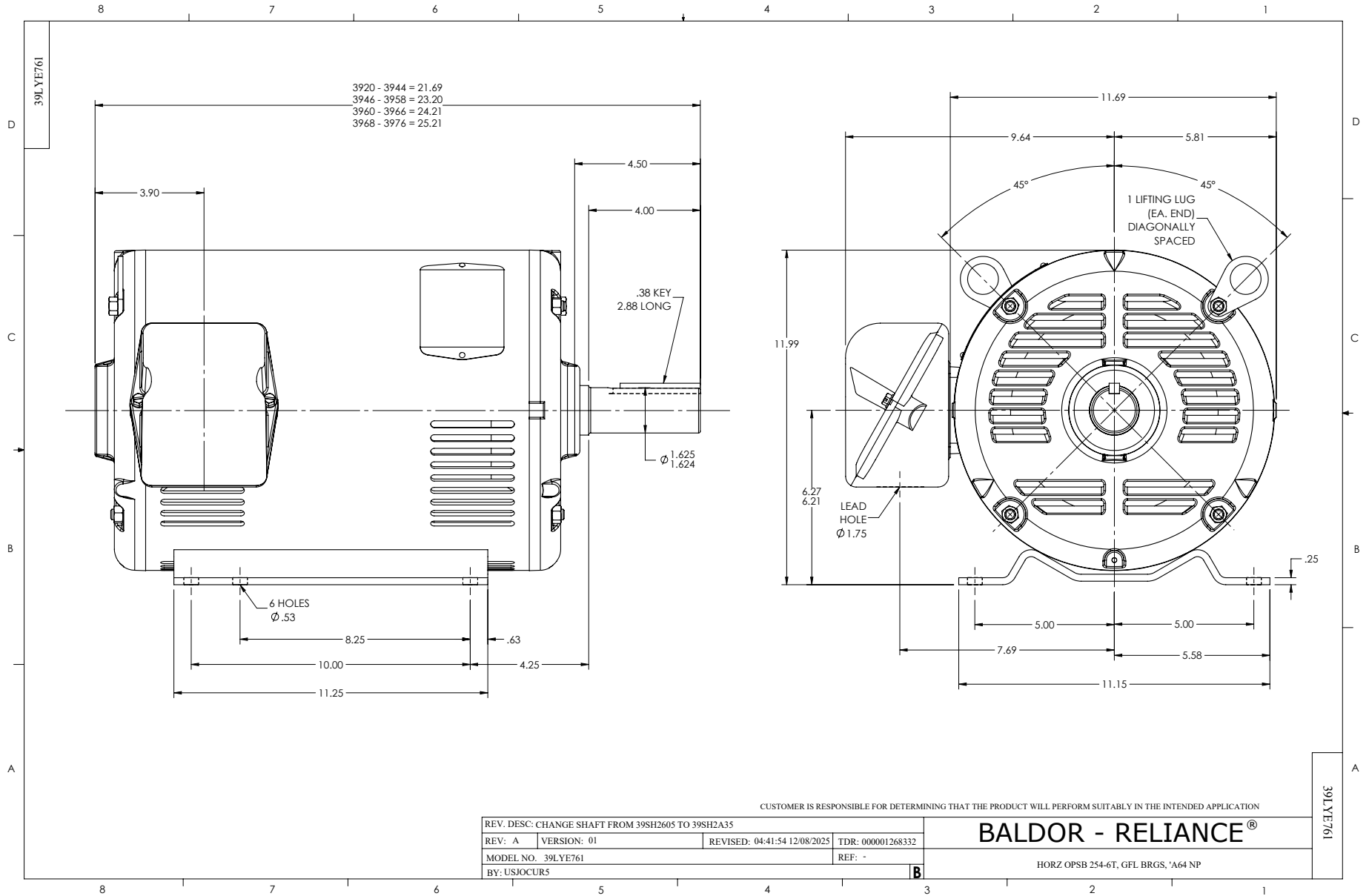
Typical performance - not guaranteed values.

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

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



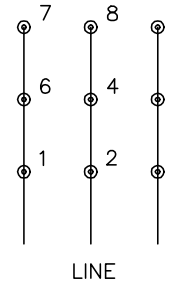
7/8/2026 ACPERF, record # 114777



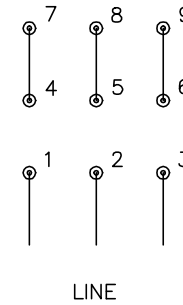
CD0180



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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