

ABB BALDOR RELIANCE III

Customer information packet

M1211T

15/3.8HP, 1770/880RPM, 3PH, 60HZ, 254T, 3936M

Class -

Division - Not Applicable

Specifications

Enclosure	OPSB
Frame	254T
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ 3.800 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	UR CSA
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	20.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	8.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H

Part Detail

Revision	S
Type	AC
Mech. spec.	39D101
Base	
Status	PRD/A
Elec. spec.	39WGX560
Layout	39LYD101
Eff. date	12-12-2025
CD Diagram	CD0032
Poles	04/08
Leads	6#12
Proprietary	False
Created date	03-14-2007

Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3936M
Mounting Arrangement	F1
Number of Poles	4 8
Overall Length	21.69 IN
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	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1770 rpm 880 rpm
Speed Code	2S-1W-VT
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

NP1256L											
CAT.NO.	M1211T										
SPEC.	39D101X560G1										
HP	15/3.8										
VOLTS	460										
AMP	20/8.7										
RPM	1770/880										
FRAME	254T			HZ		60			PH		3
SER.F.	1.15	CODE		H	DES	B	CLASS		F		
NEMA-NOM-EFF			PF								
RATING	40C AMB-CONT										
CC											
DE	6309		ODE		6208						
ENCL	OPSB	SN									

Parts List

Part number	Description	Quantity
SA154750	SA 39D101X560G1	1.000 ea
RA143425	RA 39D101X560G1	1.000 ea
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 ea
HA6016	ADAPTER, CAST CONDUIT BOX	1.000 ea
09CB3003	CB W/1.75" DIA LD HL - 37, 39, 307 & 309	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
59XW2520G07	.25-20X.44,HEX SER WSHR,TAPTITE 2,GREEN	1.000 ea
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.050 ga
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
39EP3201A13	PU ENDPLATE, MACH	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
XY3816A12	3/8-16 FINISHED NUT W/SERRATIONS	8.000 ea
09CB3501SP	CONDUIT BOX LID FOR 09CB3001 & 09CB3002	1.000 ea
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.030 lb
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LD7020D06	LEAD SET, 12AWG, 6 LEAD, 20" LONG LEADS	1.000 ea
HA3154A09	TB STUD 3/8-16 X 16.25	4.000 ea
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 ea
LC0032	CONNECTION LABEL	1.000 ea

NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
39PA1000	PACKAGING GROUP 39 PRINT	1.000 ea

Accessories

Part number	Description	Multiplier
39-3400	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 23890

Typical performance - not guaranteed values

Winding: 39WGX560-R002			Type: 3936M		Enclosure: OPSB		
Nameplate Data			460 V, 60 Hz: High Speed Connection				
Rated Output (HP)		15/3.8	Full Load Torque		44.8 LB-FT		
Volts		460	Start Configuration		direct on line		
Full Load Amps		20/8.7	Breakdown Torque		152 LB-FT		
R.P.M.		1770/880	Pull-up Torque		58.2 LB-FT		
Hz	60 Phase	3	Locked-rotor Torque		83.3 LB-FT		
NEMA Design Code		B KVA Code	H		Starting Current		128 A
Service Factor (S.F.)		1.15	No-load Current		9.97 A		
NEMA Nom. Eff.		0 Power Factor	0		Line-line Res. @ 25°C		0.794 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		38°C		
S.F. Amps			Temp. Rise @ S.F. Load		42°C		

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	61	72	79	82	83	81
Efficiency	80.2	87.8	90.3	89.8	90.2	89	90
Speed	1791	1785	1778	1771	1763	1754	1766
Line amperes	11	13.2	16.2	20	23.6	28.1	22.2

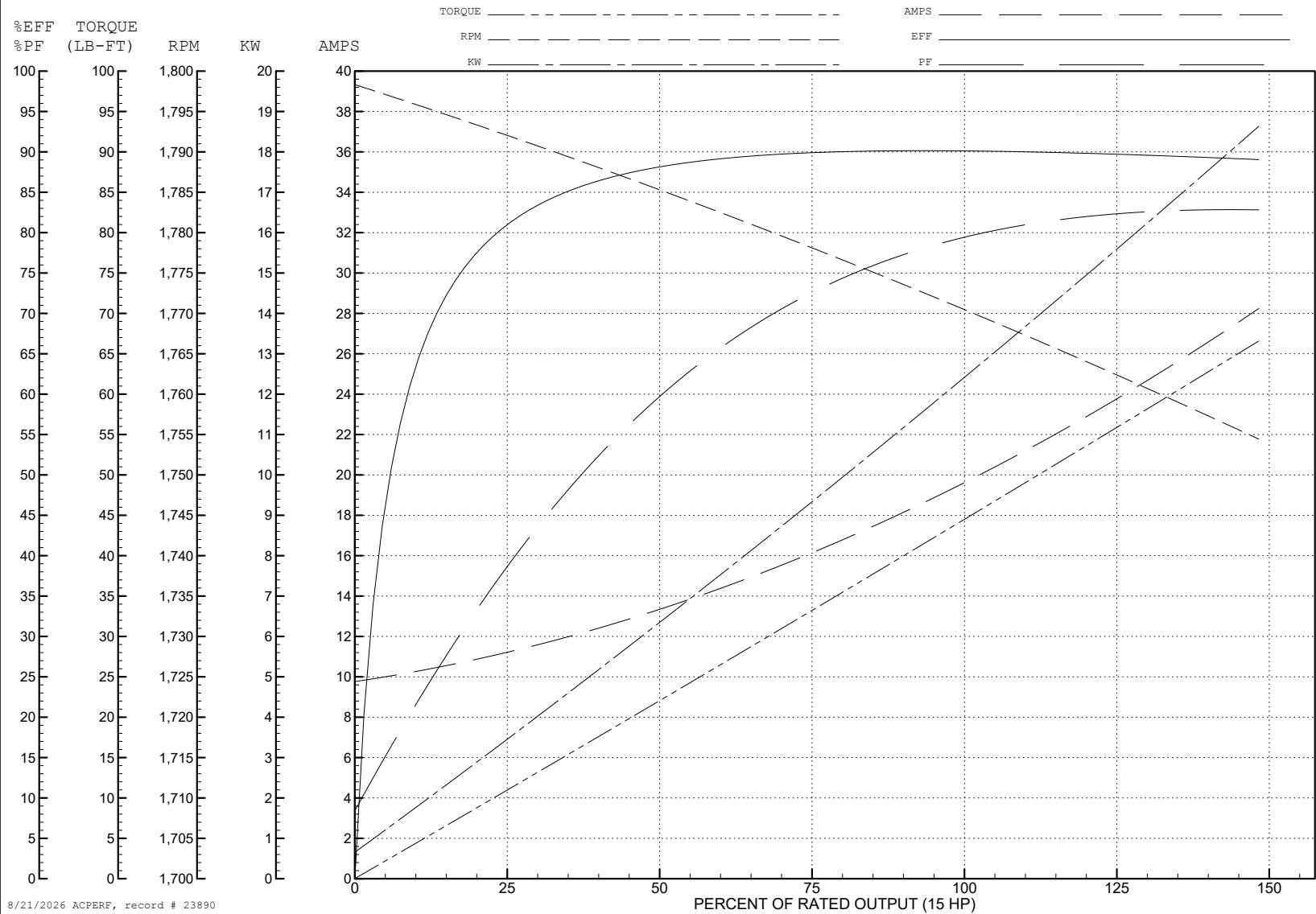
ABB Motors and Mechanical Inc.

WINDING # 39WGX560

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1771 RPM 460 V 3936M

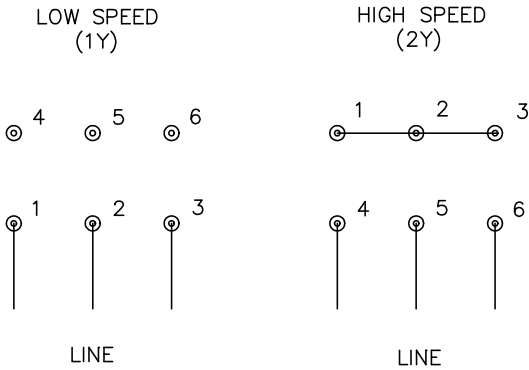
TORQUES (LB-FT): PO=152 PU=58.2 LR=83.3 LRA=128



REV. DESC: CHANGE SHAFT FROM 39SH2605 TO 39SH2A35			
REV: T	VERSION: 11	REVISED: 02:14:54 12/08/2025	TDR: 00000126831
MODEL NO. 39LYD101			REF: -
BY: USJOCUR5			

HORIZ OPSB 254-6T

CD0032



- 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.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: E	BY: JLP	REVISED: 01/22/99 8:27	TDR: 0171435
CD0032		FILE: AAA00005145	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, SV, 6 LEADS, 2-SPEED 1-WINDING VARIABLE TORQUE

CD0032