

ABB BALDOR RELIANCE III

Customer information packet

CXM251542T

15//10HP, 1765//1470RPM, 3PH, 60//50HZ, 254T

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	254TC
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	10.000 HP @ 50 HZ 15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
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
Constant Torque Speed Range	6
Current @ Voltage	38.000 A @ 208.0 V 36.200 A @ 230.0 V 30.400 A @ 190.0 V 18.100 A @ 460.0 V 15.200 A @ 380.0 V
Design Code	A
Drip Cover	No Drip Cover

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGZ910
Layout	09LYE689
Eff. date	04-09-2025
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	02-16-2021

Duty Rating	CONT
Efficiency @ 100% Load	92.4 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	15.2 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0944M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	26.00 IN
Power Factor	83
Product Family	Hazardous Location Motor
Pulley Face Code	C-Face
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1765 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor



Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP0887XPSLEV											
NO.						CC	010A				
S/N						TEMP CODE		T3C			
SPEC.	09-0000-2929					INV.TYPE		PWM			
CAT.NO.	CXM251542T					C HP FR		60	C HP TO		90
HP	15//10					CT HZ FROM		6	CT HZ TO		60
VOLTS	230/460//190/380					VT HZ FROM		6	VT HZ TO		60
AMPS	36.2/18.1//30.4/15.2				MAG CUR		15/7.5				
RPM	1765//1470				MX RPM		2700				
HZ	60//50	PH	3	CL	F	NOM.EFF.		92.4			
SER.F.	1.00	DES	A	SL HZ		1.2	WK2		1.93		
FRAME	254TC	RATING		40C AMB-CONT							
	NEMA MG-1 PART 5, IP54										
	1.15 SF ON SINE WAVE										

Parts List

Part number	Description	Quantity
SA391084	SA 09-0000-2929	1.000 ea
RA381553	RA 09-0000-2929	1.000 ea
LC0005E01	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 ea
NP0887XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1073	ALUM XP CAUTION LABEL	1.000 ea
HW3201A01	1/2-13 EYEBOLT	1.000 ea
HW1002A63	WASHER, 5/8 HI-COLLAR SPRLCKWASHER	1.000 ea
09FH1004A01	FAN COVER, MACH	1.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	3.000 ea
10XN2520K14	1/4-20 X .88 HEX GRD 5 (20001)	3.000 ea
37FN3002B02	EXFN, PLASTIC, 7.50 OD, 1.503 ID	1.000 ea
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.080 lb
09EP1700A01	FR ENDPLATE, MACH	1.000 ea
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
HA2002A05	SPACER, #208 BRG	1.000 ea
09EP1708A02	FACE MTD. ENDPLATE, MACH X-PROOF (NEW DE	1.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 ea
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
HW4500A20	1/8NPT SL PIPE PLUG	1.000 ea
09CB1000A01SP	KOBX, MACH XP W/1.25 NPT	1.000 ea

10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 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
09CB1500A01SP	CONDUIT BOX LID, MACH	1.000 ea
10XN2520K16	1/4-20 X 1" HX HD SCRW GRADE 5, ZINC P	6.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	6.000 ea
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.070 ga
40PA1005	PACKAGING GROUP, 09 STD	1.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea
MJ5000A09	EFI KIT #1578 (400 ML CARTRIDGE OF EFI	0.200 ea
HA1025A03	FELT WSH 2.1875 OD X 1.170 ID X .25 #321	8.000 ea

AC Induction Motor Performance Data

Record # 51149

Typical performance - not guaranteed values

Winding: 09WGZ910-R044				Type: 0944M		Enclosure: XPFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		15		Full Load Torque		44.5 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		36.2/18.1		Breakdown Torque		153 LB-FT	
R.P.M.		1765		Pull-up Torque		69.5 LB-FT	
Hz		60 Phase		Locked-rotor Torque		86.5 LB-FT	
NEMA Design Code		A KVA Code		Starting Current		127 A	
Service Factor (S.F.)		1		No-load Current		7.56 A	
NEMA Nom. Eff.		92.4 Power Factor		Line-line Res. @ 25°C		0.59555 Ω	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		54°C	
				Locked-rotor Power Factor		33	
				Rotor inertia		1.92 LB-FT2	

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	45	69	79	83	85	87
Efficiency	88.2	92.2	92.7	92.4	91.5	90.4
Speed	1791.3	1783.1	1774	1765.2	1754.6	1743.1
Line amperes	8.62	11	14.5	18.1	22.6	26.9

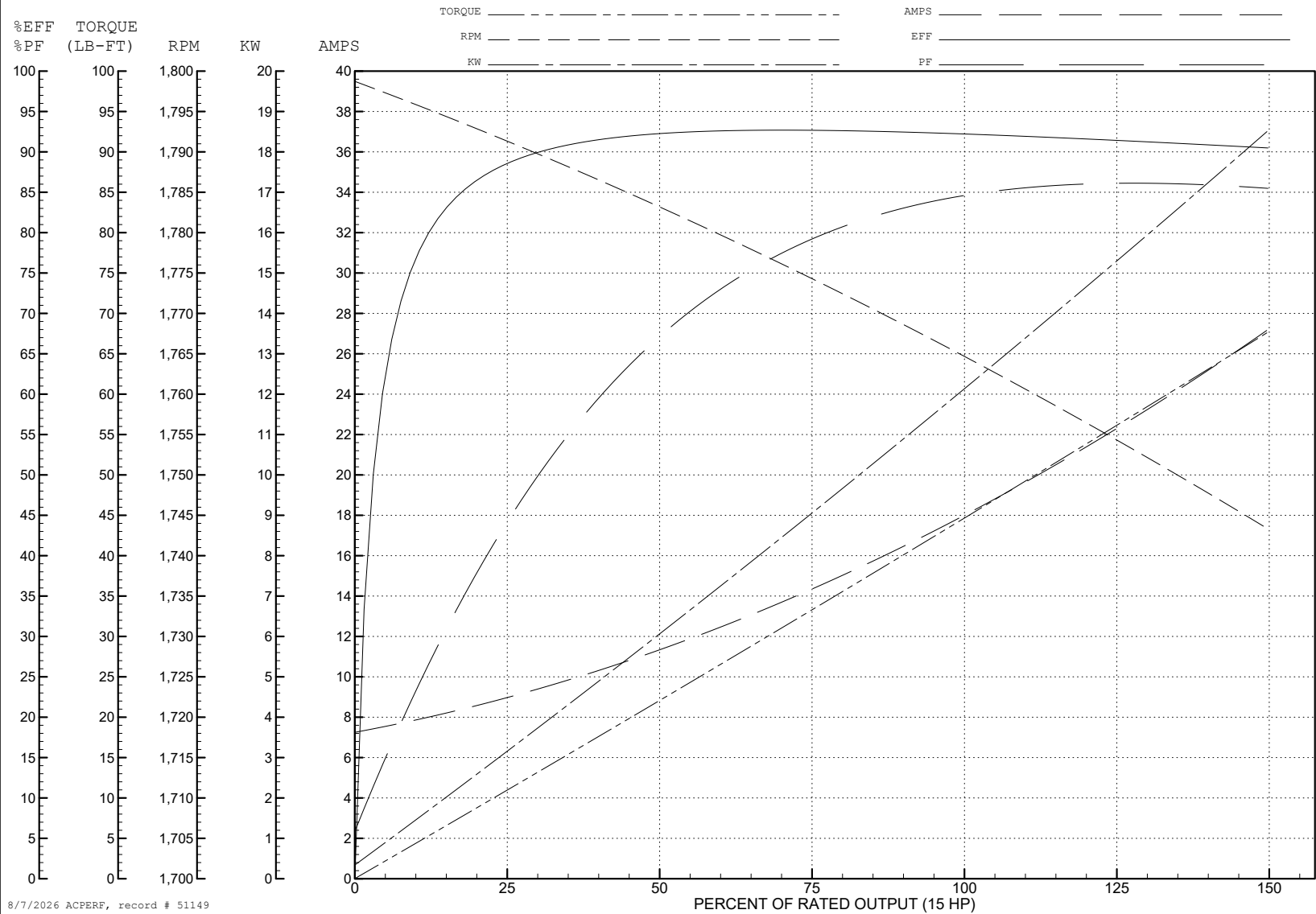
ABB Motors and Mechanical Inc.

WINDING # 09WGZ910

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1765 RPM 460 V 0944M

TORQUES (LB-FT): PO=153 PU=69.5 LR=86.5 LRA=127



AC Induction Motor Performance Data

Record # 75708

Typical performance - not guaranteed values

Winding: 09WGZ910-R063			Type: 0944M		Enclosure: XPFC		
Nameplate Data				380 V, 50 Hz: High Voltage Connection			
Rated Output (HP)		15//10		Full Load Torque		35.63 LB-FT	
Volts		230/460//190/380		Start Configuration		direct on line	
Full Load Amps		36.2/18.1//30.4/15.2		Breakdown Torque		147 LB-FT	
R.P.M.		1765//1470		Pull-up Torque		71.45 LB-FT	
Hz		60//50	Phase	3	Locked-rotor Torque		88.92 LB-FT
NEMA Design Code		A	KVA Code	H	Starting Current		123 A
Service Factor (S.F.)		1		No-load Current		7.42 A	
NEMA Nom. Eff.		92.4	Power Factor	83	Line-line Res. @ 25°C		0.553 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		41°C	
				Locked-rotor Power Factor		36.5	
				Rotor inertia		1.92 lb-ft²	

Load Characteristics 380 V, 50 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	40	63	74	81	83	86
Efficiency	86.7	91.4	92.1	92	91.2	90.3
Speed	1493	1486	1479	1472	1463	1454
Line amperes	8.14	9.82	12.46	15.18	18.67	21.93

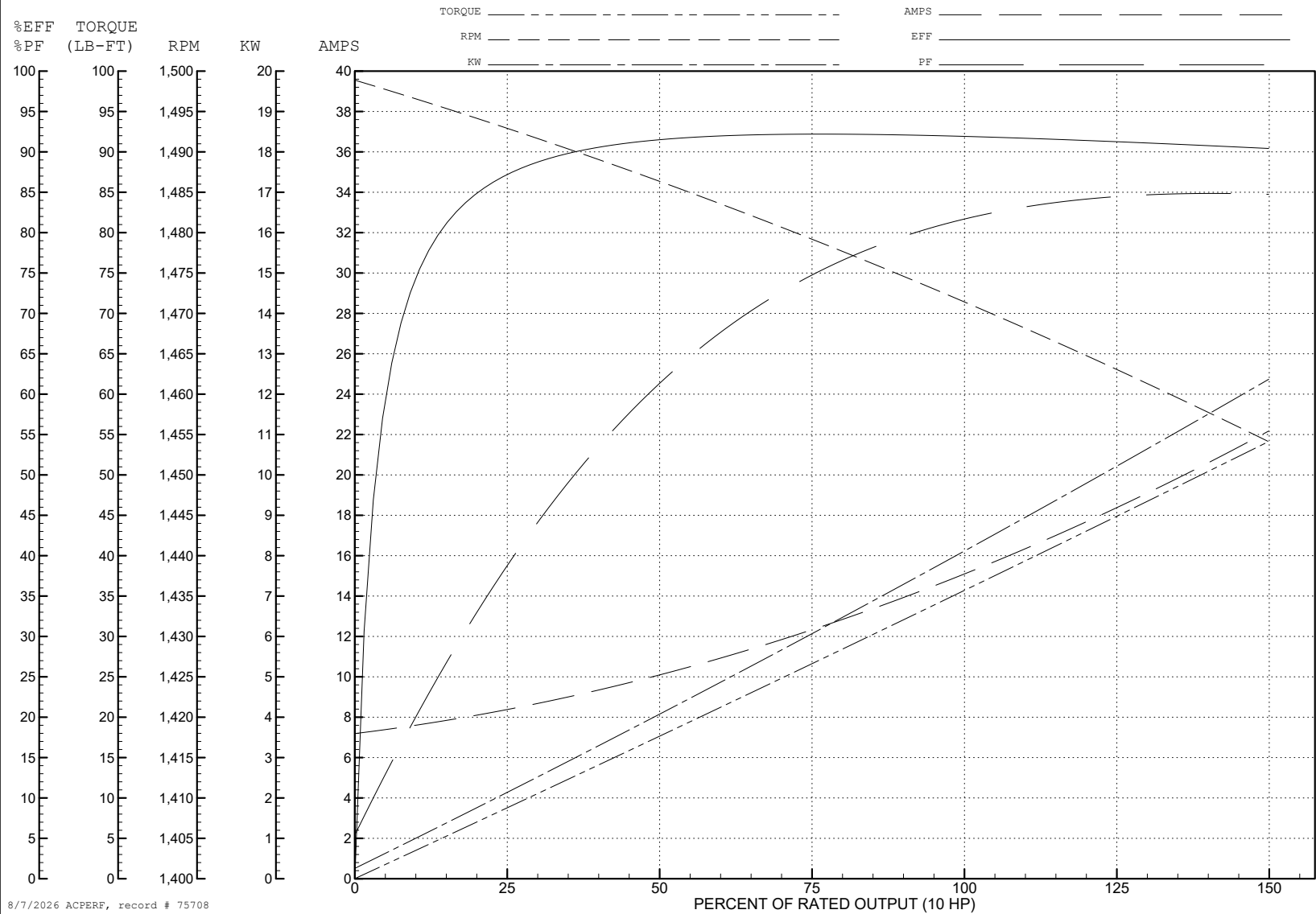
ABB Motors and Mechanical Inc.

WINDING # 09WGZ910

Typical performance - not guaranteed values.

10 HP 3 PH 50 HZ 1472 RPM 380 V 0944M

TORQUES (LB-FT): PO=147 PU=71.45 LR=88.92 LRA=123



8/7/2026 ACPERF, record # 75708

