

ABB BALDOR RELIANCE III

Customer information packet

CPX14146T

1HP, 1770//1470RPM, 3PH, 60//50HZ, 143T, 0520

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	143T
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	1.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 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	3.200 A @ 230.0 V 3.200 A @ 208.0 V 3.000 A @ 190.0 V 1.600 A @ 460.0 V 1.500 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	05WGX508
Layout	05LY-000-046
Eff. date	09-24-2024
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	10-28-2021

Efficiency @ 100% Load	85.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	1.5 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	N
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0520M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.66 IN
Power Factor	68
Product Family	Super-E Chemical Processing
Pulley Face Code	Standard
Rodent Screen	None
Service Factor	1.00
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1770 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

NP2033XPSLEV												
NO.							CC	010A				
S/N							TEMP CODE	T3C				
SPEC.	05-0000-1051						INV.TYPE	PWM				
CAT.NO.	CPX14146T						C HP FR	60	C HP TO	90		
HP	1//.75						CT HZ FROM	6	CT HZ TO	60		
VOLTS	230/460//190/380						VT HZ FROM	6	VT HZ TO	60		
AMPS	3.2/1.6//3/1.5						MAG CUR	2.2/1.1				
RPM	1770//1470						MX RPM	2700				
HZ	60//50	PH	3	CL	F	NOM.EFF.	85.5					
SER.F.	1.00	DES	B	SL HZ	1	WK2	0.144					
FRAME	143T	RATING		40C AMB-CONT								
BLANK	55C AT 1.00SF SINEWAVE											
	1.15 SF SINEWAVE						IP55					

Parts List

Part number	Description	Quantity
SA400508	SA 05-0000-1051	1.000 ea
RA391671	RA 05-0000-1051	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0145B01	CONNECTION LABEL	1.000 ea
NP2033XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-C&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
LB1359F	ALUM XP CAUTION LABEL	1.000 ea
HW3201A05	3/8-16 EYEBOLT	1.000 ea
HW3021G05	PIN, 3/16 X .500 X	1.000 ea
35FH4005A01G	FAN COVER, STAMPED W/GREY EPOXY	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
35EP3700C14G	FR ENDPLATE, XPFC - GROUP C&E MTRS.	1.000 ea
84XN3118J20	5/16-18 X 1 1/4" SOC HD CAP SCREW	4.000 ea
HA2009A87	SLINGER FOR GROUP E MTRS - 203 BRG.	1.000 ea
80XN0632J10	6-32 X 5/8 SET SCREW, HEX SOC, CUP PT	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
HW4506A02	BREATHING/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 ea
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 ea
HA2009A89	SPACER FOR XP MTRS - 205 BRG.	1.000 ea
35EP1704A90G	PULLEY 56C 205 BRG GROUP E W/O RABBIT	1.000 ea
84XN3118J20	5/16-18 X 1 1/4" SOC HD CAP SCREW	4.000 ea
HA2009A71	SLINGER FOR GROUP E MTRS - 205 BRG.	1.000 ea
80XN0632J06	SET SCREW, 6-32 X 3/8", HEX SOCKET, AS	1.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 ea
63XN1032A07	10-32 X 7/16 TRUSS HEAD,TORX SERRATED ZN	2.000 ea

HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	1.000 ea
HW3022E05	.125 DIA X .500 ROLLED SPRING PIN	1.000 ea
35CB1005A01G	CONDUIT BOX,MACH - GROUP "C" MTRS (GREY)	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 ea
HW4002A18	1"HEX STEEL PIPE NIPPLE FOR 305XP MTRS	1.000 ea
HW3021F12	SPRING PIN, .156 X 1.25	1.000 ea
35CB1501A01G	CONDUIT BOX LID, MACH. - GROUP "C" MTRS(G	1.000 ea
RM1020A41	O-RING, -150 BUNA-N, .103 CS X 2.862 ID	1.000 ea
MG1500Y02	WILKOPON PRIMER YELLOW	0.022 ga
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.022 ga
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea



