

ABB BALDOR RELIANCE III

Customer information packet

CSPM3558T

2HP, 1765RPM, 3PH, 60HZ, 145TC, 3542M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	145TC
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	2.000 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	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	2.800 A @ 460.0 V 5.600 A @ 230.0 V 5.800 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	2.8 a

Part Detail

Revision	D
Type	AC
Mech. spec.	35E6390
Base	
Status	PRD/A
Elec. spec.	35WGZ965
Layout	35LYE6390
Eff. date	11-19-2025
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	False
Created date	01-08-2024

Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	M
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	9 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3542M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	15.56 IN
Power Factor	75
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1765 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

NP4423A01A01L													
CAT #	CSPM3558T					WGT	62	LBS					
SPEC	35E6390Z965					ENCL	TEFC						
SER #						CC	010A	IP	54				
HP	2	MAG CUR				3.4/1.7							
VOLTS	230/460					NEMA NOM. EFF					88.5		
AMPS	5.6/2.8					PF	75						
RATING	40C AMB-CONT												
RPM	1765					MAX RPM		2700					
FRAME	145TC	HZ	60		CODE	M	CLASS	F					
SER.F.	1.15	SF AMP	6.3/3.15				PH	3	DES	B			
DE	6205		ODE		6203								
LUBRICATION	POLYREX EM												
ID LOGO	INVERTER TYPE			VPWM		CHP	60	TO	90	1.5:1			
ID LOGO	WK2	0.303	CT	6	TO	60	10:1						
ID LOGO	SL HZ	1.3	VT	3	TO	60	20:1						
						QR							
YR													

Parts List

Part number	Description	Quantity
SA428137	SA 35E6390Z965	1.000 ea
RA420293	RA 35E6390Z965	1.000 ea
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 ea
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	1.000 ea
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
35EP3122K00	MASTER ODE,203 BRG,.683SH,#26 DRN,FH MTG	1.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	4.000 ea
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3307F01	F00 W/CAV DRN	1.000 ea
HA4067A01	PUSH IN DRAIN FITTING (BLACK)	4.000 ea
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A32	IEC FH NO GRSR W/3 HOLES - PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB4521GX	CONDUIT BOX LID KIT **ORDER INDIV PARTS	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1050Y01	CELEROL BALDOR GOLD *5 GALLON BUCKET*	0.017 ga
HA3100A24	THRUBOLT 10-32 X 10.625	4.000 ea
NP4423A01A01L	AL,SUPER PREM,DATA 01,AGENCY A,CONN 01,W	1.000 ea
35PA1066	PKG GRP, PRINT PK1008A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

LB1636

LABEL, SUPER PREMIUM SP4, 1.75 X 1.75

1.000 ea

ABB Motors and Mechanical Inc.

WINDING # 35WGZ965

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1765 RPM 460 V 3542M

TORQUES (LB-FT): PO=26 PU=16.9 LR=18.4 LRA=27.1





