

ABB BALDOR RELIANCE III

Customer information packet

CTM3665T

5HP, 1750RPM, 3PH, 60HZ, 184T, 0634M, TEAO, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	184T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	C UR US
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	7.200 A @ 460.0 V 14.600 A @ 208.0 V 14.400 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	87.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	7.2 a

Part Detail

Revision	A
Type	AC
Mech. spec.	06K700
Base	
Status	PRD/A
Elec. spec.	06WGY807
Layout	06LYK700
Eff. date	06-06-2024
CD Diagram	CD0005
Poles	04
Leads	9#16
Proprietary	False
Created date	10-19-2023

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	Vertical Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0634M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	13.68 IN
Power Factor	75
Product Family	Chemical Processing (Not DC)
Pulley End Bearing Type	Sealed Bearing
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1750 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

NP1258									
CAT.NO.	CTM3665T								
SPEC.	06K700Y807H1								
HP	5								
VOLTS	208-230/460								
AMP	14.6-14.4/7.2								
RPM	1750								
FRAME	184T	HZ	60	PH	3				
SER.F.	1.15	CODE	J	DES	B	CL	F		
NEMA-NOM-EFF	87.5	PF	75						
RATING	40C AMB-CONT								
CC									
DE	6206	ODE	6205						
ENCL	TEAO	SN							
	1650 FPM AT 100CFM								

Parts List

Part number	Description	Quantity
SA419109	SA 06K700Y807H1	1.000 ea
RA411021	RA 06K700Y807H1	1.000 ea
HW3201A05	3/8-16 EYEBOLT	1.000 ea
HW3201A05	3/8-16 EYEBOLT	1.000 ea
06CB1000A67G	.75 NPT @ 6:00 & GRD HOLE, 2 .125 N.P.T.	1.000 ea
RM1016	LEAD SEPARATOR GASKET - 305/306 C.P.MOTO	1.000 ea
51XF2520A16	SCREW,HEX SER SLT HD,ZN 1/4-20X1.00LG TD	2.000 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
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 ea
10XN2520G06	1/4 20X3/8 HX HD CAP, GREEN	2.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	2.000 ea
36EP1101C25G	FREP, 205 BRG,.125 NPT (GRAY)	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
80XN3816J04	3/8-16 X 1/4 SET SCREW, HEX SOC, CUP PT	2.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP1100D66G	PUEP, 206 LOCK BRG,.125 NPT (GRAY)	1.000 ea
HW4600H12	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
HA4044A00	PLUG,PIPE 1/8 NPT PLASTIC SQUARE HEAD	2.000 ea
51XN1032A16	10-32 X 1.000 HX WS SL SR	2.000 ea
HA3101A53	THRUBOLT 1/4-20 X 10.50	4.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
06CB1502G	LIPPED CONDUIT BOX LID CAST, GRAY EPOXY	1.000 ea
06GS1003	GASKET, KOBX LID, 1/8" THICK BLACK NEOPR	1.000 ea
10XN2520A12	1/4-20 X 3/4 HEX HEAD CAP	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
HW4600G50	DOME SLINGER, 4.25 OD X 1.120/1.085 ID	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 qt

85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LB1182	WARNING LABEL FOR MOTORS WITH EYENUTS	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025G29	WILKOFAST, 789.229, DARK CHARCOAL GRAY	0.028 ga
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 ea
NP1258	SS CP UL CC	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A07	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

ABB Motors and Mechanical Inc.

WINDING # 06WGY807

Typical performance - not guaranteed values.

5 HP 3 PH 60 HZ 1750 RPM 460 V 0634M

TORQUES (LB-FT): PO=47.7 PU=31 LR=34.9 LRA=46





