

BALDOR • RELIANCE

Customer information packet

CDRX40144T

100HP, 1785RPM, 3PH, 60HZ, 405TC, TEFC, F1

Class - CLI GP C,D

Division - Division I

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Specifications

Enclosure	TEFC
Frame	405TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	100.000 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	UL CSA CCSAUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	112.000 A @ 460.0 V 224.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	112.0 a
Insulation Class	F
Inverter Code	Inverter Ready

Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WGO692
Layout	617428-725
Eff. date	10-22-2021
CD Diagram	416820-002
Poles	04
Leads	3#2,6#4
Proprietary	False
Created date	05-22-2019

IP Rating	NONE
KVA Code	G
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A40064M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	38.22 IN
Power Factor	87
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.00
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

NP2496L	
MOBIL POLYREX EM	

000613006PC

CLASS I GROUP C D X **NO.****CLASS II GROUP** X X X**OPERATING TEMP CODE** T3C

NP3140L

SPEC NO.	A40-7258-0692		CAT.NO.	CDRX40144T			FRAME	405TC		
HP	100	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P
RPM	1785	AMPS	224/112		HZ	60	AMB	40	SF	1.00
DRIVE END BEARING	80BC03J30X		DUTY	CONT		INSUL.CLASS	F			
OPP D.E. BEARING	80BC03J30X		ENCL	TEFC		CODE	G			
SF	1.15	WK2	26.346	MAG CUR	28.6		RPM MAX	3600		
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90		NEMA-NOM-EFF	95.4		
	SUIT FOR 55C AMB AT 1.00 SF					IP55				
SER.NO.				MOTOR WEIGHT	1467					

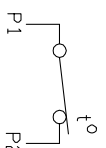
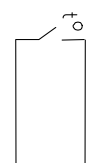
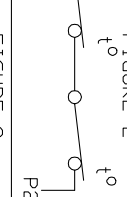
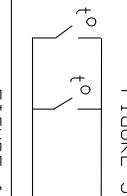
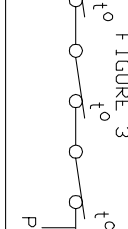
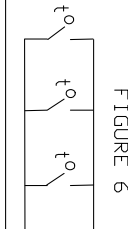
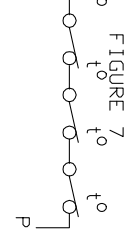
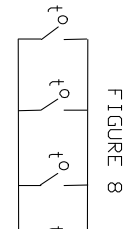
Parts list

Part number	Description	Quantity
SA369960	SA A40-7258-0692	1.000 ea
RA359581	RA A40-7258-0692	1.000 ea
421948032	LABEL, MYLAR	1.000 ea
NP2496L	MOTOR LUBE NAMEPLATE	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
LB1073	ALUM XP CAUTION LABEL	1.000 ea
000613006PC	N/P U/L (REL QTY 500)	1.000 ea
NP3140L	INVERTER DUTY, SS, CC, CSA-C US, CSA EEV	1.000 ea
HW4505A02	BREATHING/DRAIN-EXP PROOF-.250-18 PTF AIS	2.000 ea
609158001E	SLGR - 400	1.000 ea
603284001Y	SLGR - 400	1.000 ea
089416503A	G400 STD BRKT MACHINING 6316 BE OR FE	1.000 ea
415072001B	CLAMP	1.000 ea
083198101A	G400 STD FAN COVER MACHINING	1.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
078548001R	FAN KB 234/150 (84) 400	1.000 ea
004824015A	GREASE POLYREX EM	0.880 lb
032130022GB	HHCS 7/8-9X2-3/4 PLTD.	4.000 ea
032018008CK	HHCS 3/8-16X1L PLATED	4.000 ea
032018030CK	HHCS 3/8-16X3-3/4 PLATED	3.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
415045002B	SLGR	1.000 ea
410700000DA	WAVY SPRING WASHER	1.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 ea
034530052AB	P/NIP 1/8X6-1/2 Zinc	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 ea
034690002AB	PPLG 1/4" PLTD.	1.000 ea
089416508A	G400 X/P C-FACE BRKT MCHG 6316	1.000 ea
032018032CK	HHCS 3/8-16X4 PLATED	3.000 ea

415045002B	SLGR	1.000 ea
034017014AB	LCKW 3/8 STD. PLATED	3.000 ea
032130024GB	HSHCS 7/8-9NC X 3" LONG PLATED	4.000 ea
16CB1001A01	CONDUIT BOX MACH GRP C MTRS 16CB1001	1.000 ea
16CB1501A01	CONDUIT BOX LID MACH.GRP C MTRS 16CB1501	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
406055001C	GRFTG	1.000 ea
034017018AB	5/8 MED LOCK WASHER ZP (034017018AF)	8.000 ea
034017014AB	LCKW 3/8 STD. PLATED	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
032130016EB	HSHCS 5/8-11X2 PLTD.	8.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	1.000 ea
034017016AB	LCKW 1/2" PLATED	1.000 ea
032130014CB	HSHCS 3/8-16X1-3/4 PLTD.	4.000 ea
406055001C	GRFTG	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.380 ga
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 ea
034180045JA	KEY,DE	1.000 ea
604797045	STD. 400 FRAME SKID	1.000 ea
032510024D	CARRIAGE BOLT - 444	2.000 ea
034001014AB	FLAT WASHER 3/8"PLATED	2.000 ea
034001016AB	WSHR .562ID 1.375OD .109	2.000 ea
033300014AC	HEX NUT, SHIPPING - 400	2.000 ea
604799003C	PLASTIC BAG 42X32X46	1.000 ea

CONNECTION DIAGRAM ACCESSORIES

MOTOR WINDING THERMOSTATS	
CONTACTS _____ @ _____ °C	
FIGURE NUMBER _____	
CONTACT RATING	
VOLTS	CONTINUOUS AMPERES
110-120	3.0
220-240	1.5
440-480	0.75
550-600	0.60
	INRUSH AMPERES
	30
	15
	7.5
	6.0

NORMALLY CLOSED	THERMOSTATS	NORMALLY OPEN
 <p>FIGURE 1</p>		 <p>FIGURE 4</p>
 <p>FIGURE 2</p>		 <p>FIGURE 5</p>
 <p>FIGURE 3</p>		 <p>FIGURE 6</p>
 <p>FIGURE 7</p>		 <p>FIGURE 8</p>

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.O. NO. _____

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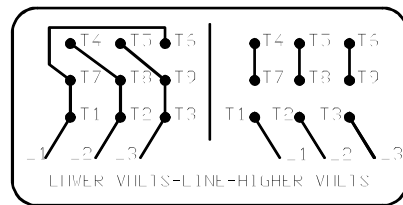
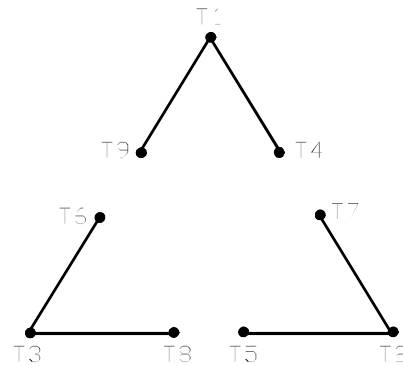
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BALDOR
A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1

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A-C MOTOR
 CONNECTION DIAGRAM
 STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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