

**BALDOR • RELIANCE**

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# Customer information packet

## CDRX40144T

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

Class - CLI GP C,D

Division - Division I

## 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

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

**Nameplate**

NP2496L	
MOBIL POLYREX EM	

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**000613006PC**

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<b>CLASS I GROUP</b>	C D X	<b>NO.</b>	
<b>CLASS II GROUP</b>	X X X		
<b>OPERATING TEMP CODE</b>	T3C		

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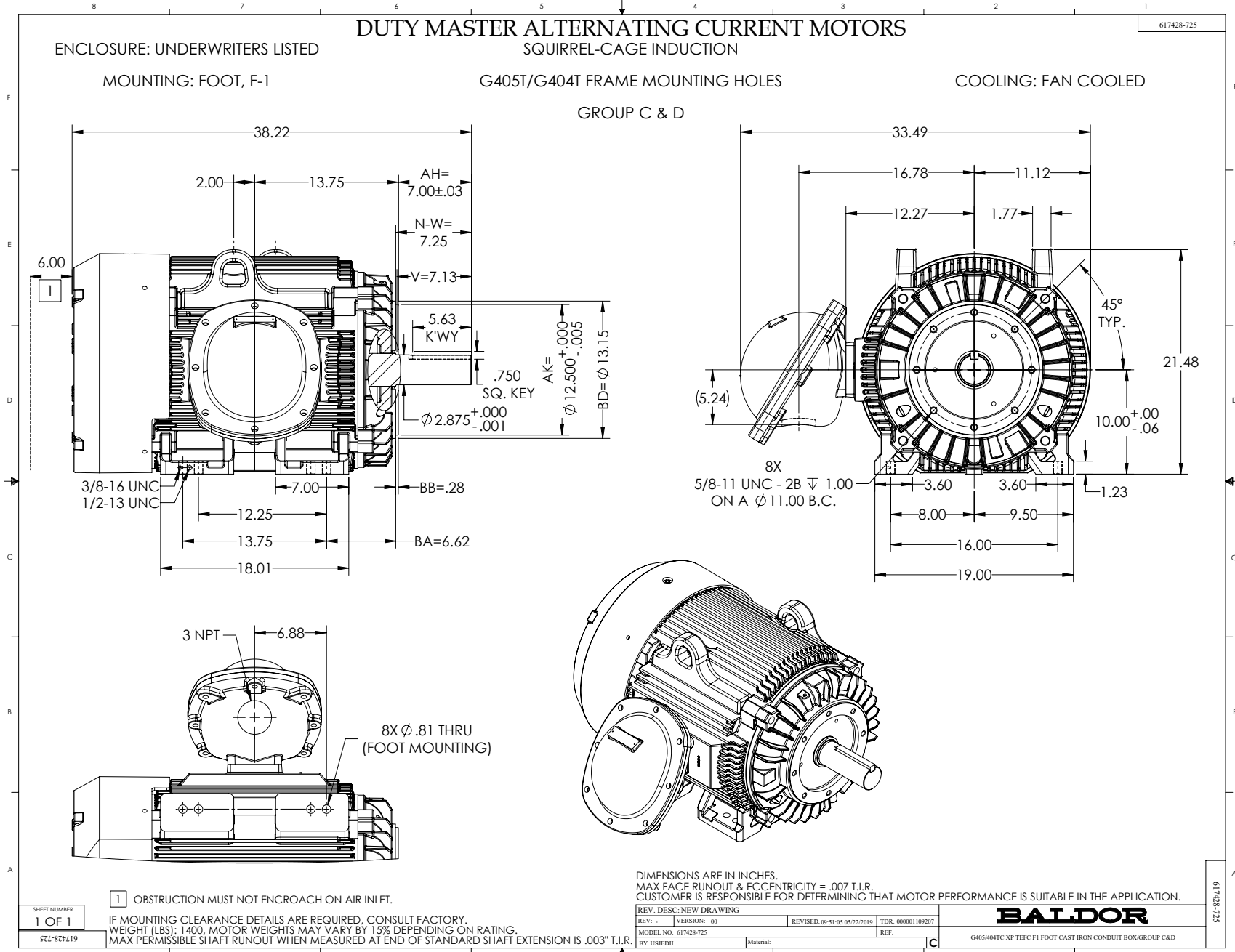
**NP3140L**

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









# 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
 FIGURE 1		 FIGURE 4
 FIGURE 2		 FIGURE 5
 FIGURE 3		 FIGURE 6
 FIGURE 7		 FIGURE 8

CUSTOMER \_\_\_\_\_ CUSTOMER ORDER NO. \_\_\_\_\_ S.O. NO. \_\_\_\_\_

418174-006

418174-006

REV. DESC: LOADED TO BUS		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
MTL: -		

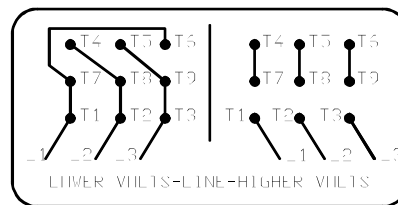
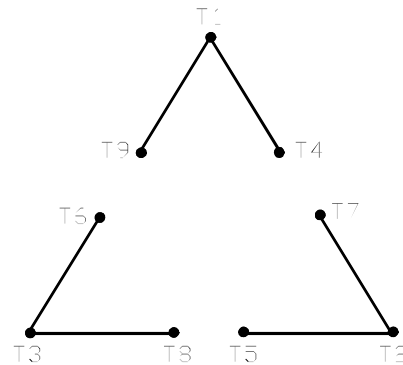
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A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

416820-002

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



(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
REV. LTR: A	VERSION: 01	TDR: 000001009382
FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: -	© □	

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1