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# Customer information packet

## DRX40144T-5

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

Class - CLI GP C,D

Division - Division I

## Specifications

Enclosure	TEFC
Frame	405T
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	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV CSA UL
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	89.600 A @ 575.0 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	89.6 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G

## Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WGO665
Layout	617433-608
Eff. date	10-22-2021
CD Diagram	416820-036
Poles	04
Leads	3#2
Proprietary	False
Created date	07-12-2019

Lifting Lugs	Standard Lifting Lugs
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	88
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
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**

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NP2496L	
MOBIL POLYREX EM	

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**000613006PC**

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

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**NP3140L**

<b>SPEC NO.</b>	A40-7256-0665	<b>CAT.NO.</b>	DRX40144T-5	<b>FRAME</b>	405T
<b>HP</b>	100	<b>VOLTS</b>	575	<b>PHASE</b>	3
				<b>DESIGN</b>	B
				<b>TYPE</b>	P
<b>RPM</b>	1785	<b>AMPS</b>	89.6	<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>	25.5
				<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>			









617433-608

**DUTY MASTER ALTERNATING CURRENT MOTORS**  
SQUIRREL-CAGE INDUCTION

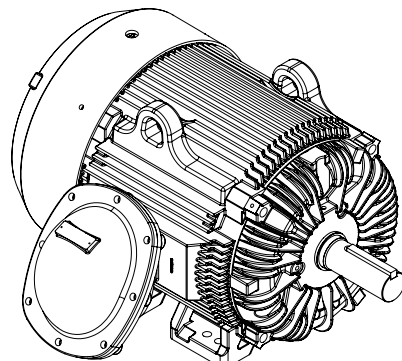
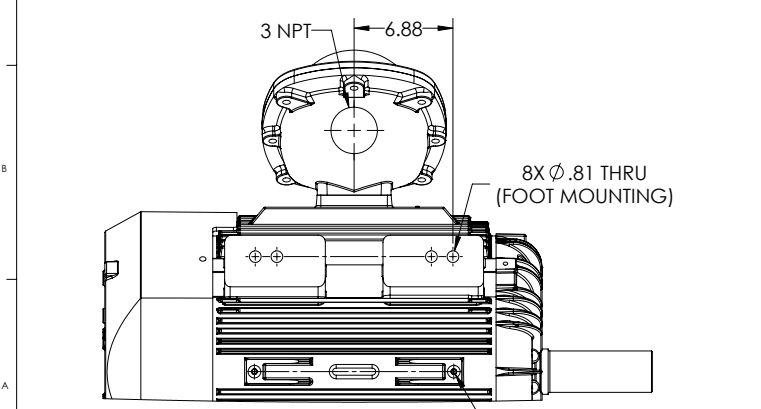
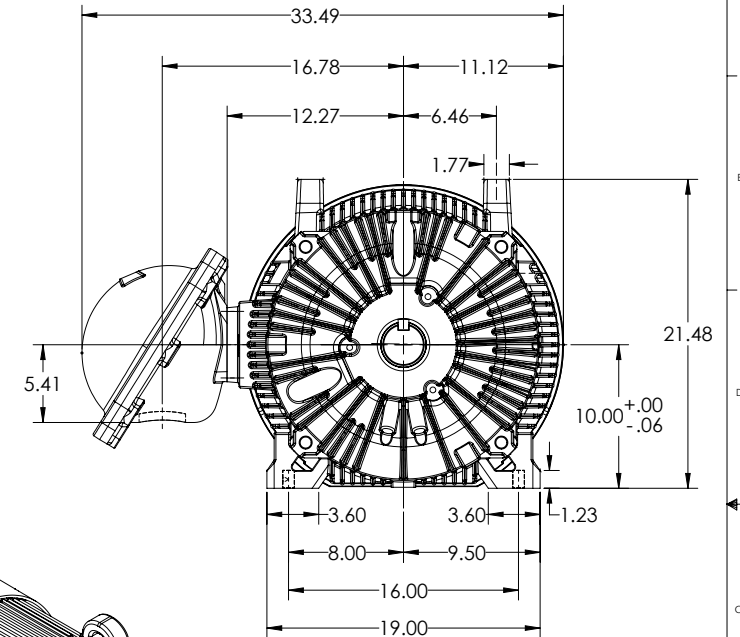
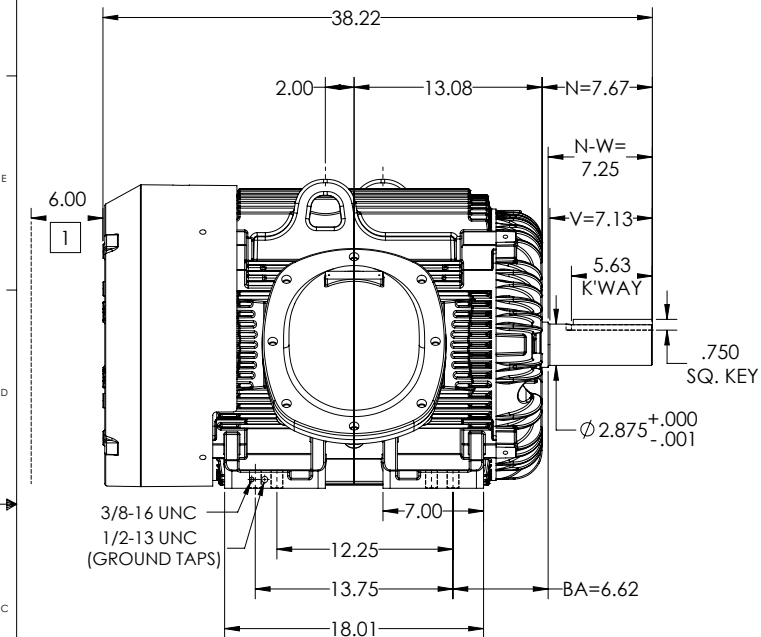
ENCLOSURE: X/P, UNDERWRITERS LISTED

MOUNTING: FOOT, F-1 MOUNT

G405T/G404T FRAME MOUNTING HOLES

COOLING: FAN COOLED

CL. 1, GRP. C & D



DIMENSIONS ARE IN INCHES.  
WEIGHT: 1400 LBS ± 15% DEPENDING ON RATING.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.  
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER <b>1 OF 1</b>	OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET.
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REV. DESC: NEW DRAWING	VERSION: 00	REVISED: 02-53-03 03.08/2019	TDR: 000001101608
MODEL NO. 617433-608	BY: USJEDIL	Material:	REF:

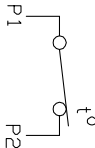
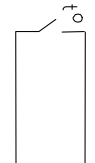
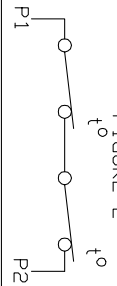
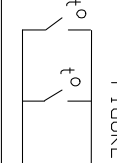
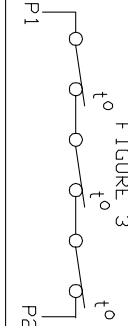
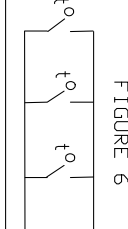
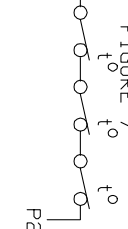
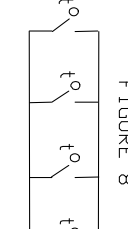
**BALDOR**

G405/404T TEFC XP F1 FOOT/CAST IRON BOX/CL.1 GRP C & D

617433-608

# 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. \_\_\_\_\_

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: -		

**BALDOR**

A-C MOTOR CONNECTION ACCESSORIES

SH 1 of 1

416820-036

A-C MOTOR  
CONNECTION DIAGRAM  
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11:54:06 04/30/2010	
MTL: -	BY: RAGRA	

**BALDOR**

CONN DIAG - STANDARD 3 LEAD  
SH 1 of 1