

**BALDOR • RELIANCE**

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# Customer information packet

## CEWDM4403T

60HP, 1185RPM, 3PH, 60HZ, 404TC, TEFC, F1

Class - None

Division - Not Applicable

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6/21/2026 3:09:17 AM

## Specifications

Enclosure	TEFC
Frame	404TC
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	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	CSA EEV CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	139.000 A @ 230.0 V 69.300 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.5 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	69.3 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G

## Part detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0844
Layout	617429-503
Eff. date	10-22-2021
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	08-29-2019

<b>Motor Lead Quantity/Wire Size</b>	3 @ 4 AWG
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	A40064M
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	6
<b>Overall Length</b>	38.20 IN
<b>Power Factor</b>	86
<b>Product Family</b>	Washdown Features
<b>Pulley End Bearing Type</b>	Ball
<b>Pulley Face Code</b>	C-Face
<b>Service Factor</b>	1.15
<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>	1185 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>	None

**Nameplate**

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NP2496L	
MOBIL POLYREX EM	

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**NP2428L**

<b>SPEC NO.</b>	A40-7110-0844	<b>CAT.NO.</b>	CEWDM4403T	<b>FRAME</b>	404TC				
<b>HP</b>	60	<b>VOLTS</b>	230/460	<b>PHASE</b>	3	<b>DESIGN</b>	B	<b>TYPE</b>	P
<b>RPM</b>	1185	<b>AMPS</b>	139/69.3	<b>HZ</b>	60	<b>AMB</b>	40	<b>SF</b>	1.15
<b>DRIVE END BEARING</b>	80BC03JPP30A	<b>DUTY</b>	CONT	<b>INSUL.CLASS</b>	F				
<b>OPP D.E. BEARING</b>	80BC03JPP30A	<b>ENCL</b>	TEFC	<b>CODE</b>	G				
<b>SER.NO.</b>		<b>POWER FACTOR</b>	86	<b>NEMA-NOM-EFFICIENCY</b>	94.5				
		<b>MAX CORR KVAR</b>	12.5	<b>GUARANTEED EFFICIENCY</b>	93.6				
	IP55	<b>NEMA NOM/CSA QUOTED EFF</b>							
	4:1CT AND 4:1VT ON VPWM INVERT	<b>ER, 1.00SF</b>		<b>MOTOR WEIGHT</b>					

REL. S. O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	404T	60	P	3/60	1185	230/460
AMPS	DUTY	AMB <sup>o</sup> C/ INSUL.	S. F.	NEMA DESIGN	CODE LETTER	ENCL.
139/69.3	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S. O.	TEST DATE	STATOR RES. @25 <sup>o</sup> C (OHMS (BETWEEN LINES))		
595762	418142-71EE	---	---	.0274/.109		
<b>PERFORMANCE</b>						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	19.9	1200	6.18	0	
1/4	15.0	26.0	1197	59.4	91.2	
2/4	30.0	37.9	1194	78.7	94.2	
3/4	45.0	52.7	1191	84.3	94.7	
4/4	60.0	69.3	1187	85.8	94.5	
5/4	75.0	86.7	1184	86.2	94.0	
<b>SPEED TORQUE</b>						
	RPM	% FULL LOAD TORQUE	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	159	421	425		
PULL UP	240	145	384	411		
BREAKDOWN	1133	245	651	243		
FULL LOAD	1187	100	265	69.3		

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

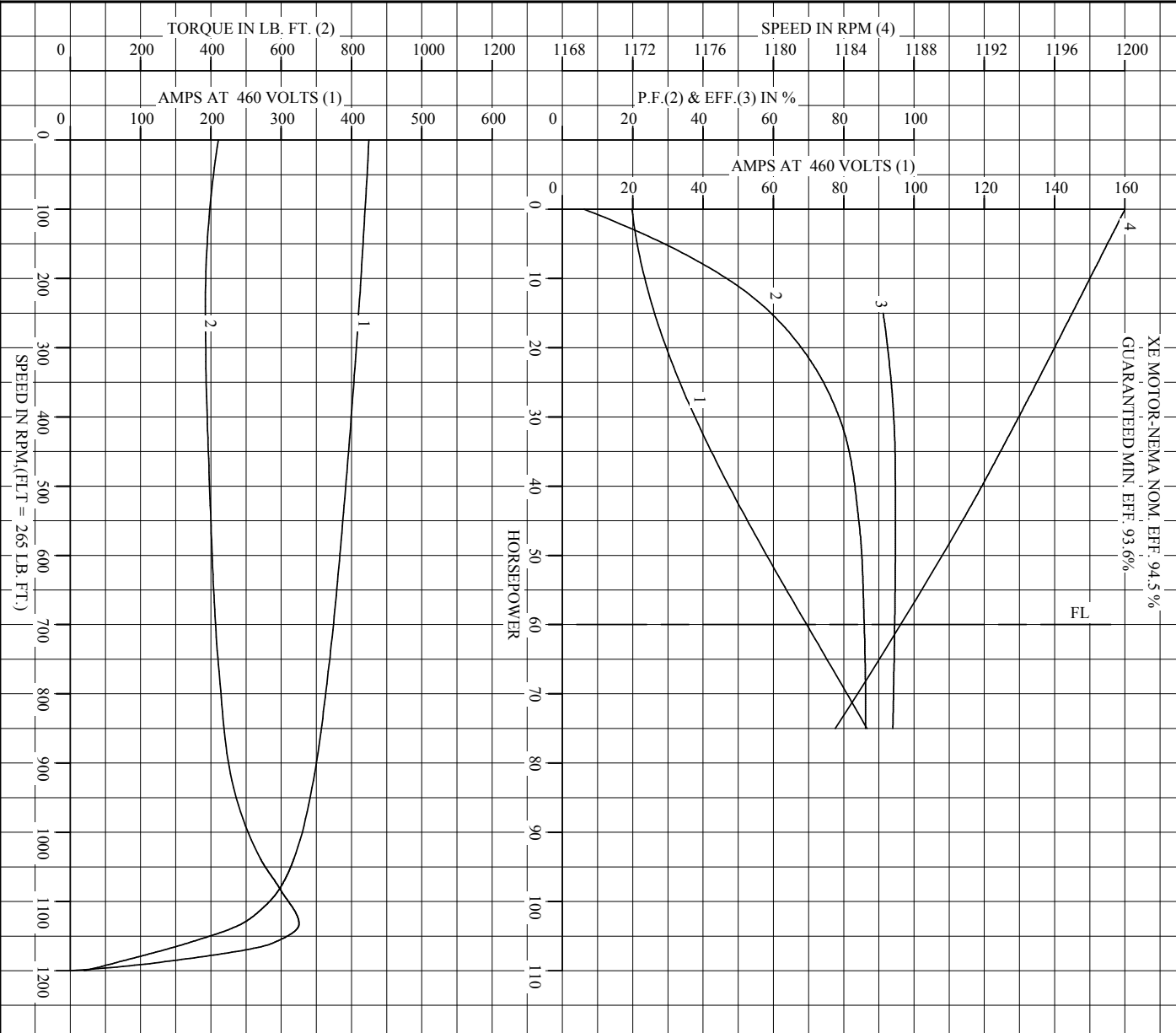
REMARKS: TYPICAL DATA  
 XE MOTOR-NEMA NOM. EFF. 94.5 %  
 GUARANTEED MIN. EFF. 93.6 %



DR. BY J. P. TSAO  
 CK. BY J. P. TSAO  
 APP. BY E. J. CHRISTIAN  
 DATE 10/8/17

**A-C MOTOR PERFORMANCE DATA**  
**A40WG0844-R015**  
 ISSUE DATE 12/01/20

REL. S. O.		RPM	1185	S. F.	1.15	ROTOR	4181A2-71EE
FRAME	404T	VOLTS	230/460	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP	60	AMPS	139/69.3	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES. @ 25 °C	.0274/.109
PHASR/HERTZ	3/60	AMB °/INSUL	40/F	E/S	595762	OHMS (BETWEEN LINES)	



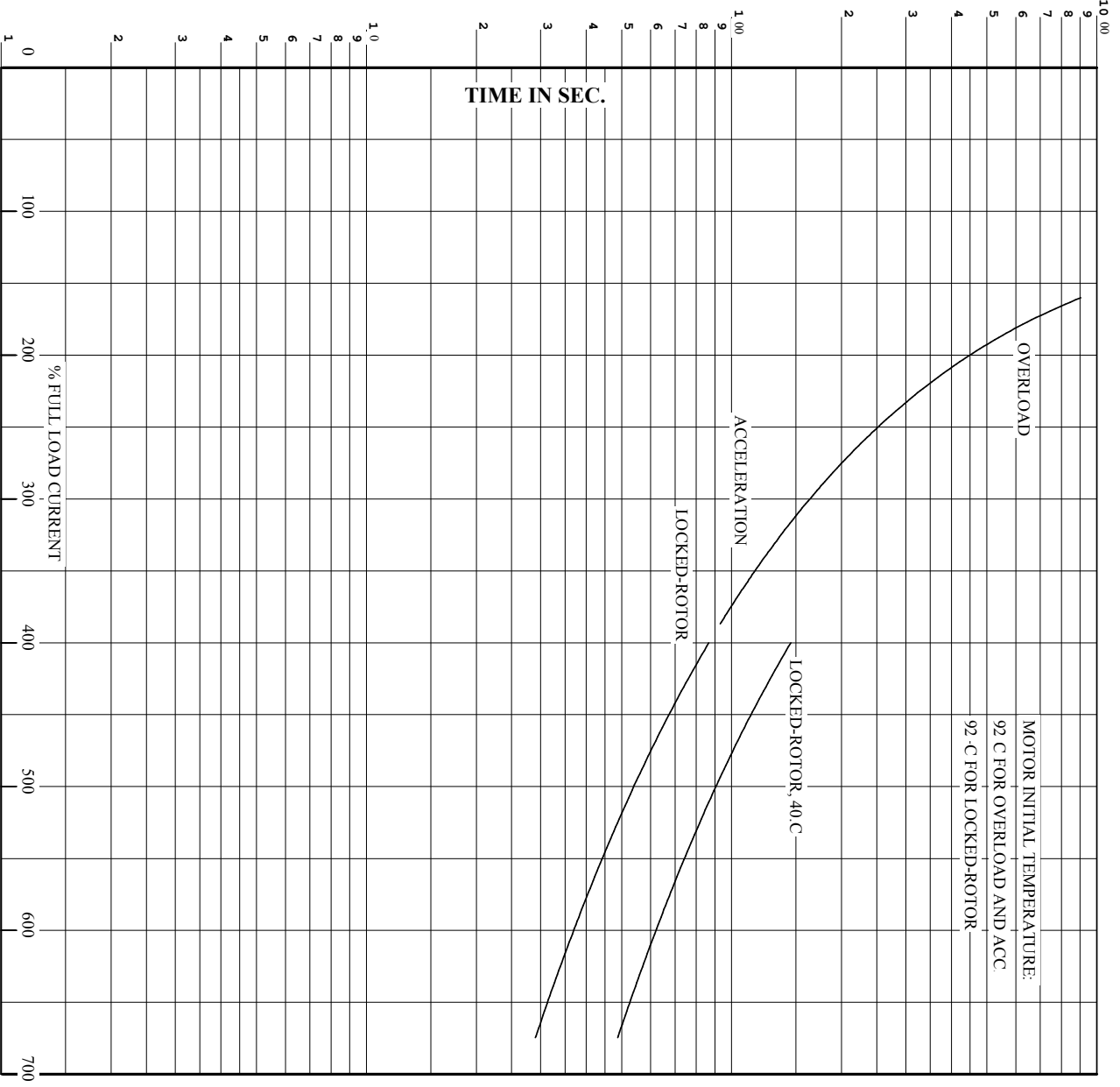
AMPERES SHOWN FOR 460  
 AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.  
 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

**BALDOR**  
 A MEMBER OF THE ABB GROUP

DR. BY	J. P. TSAO
CK. BY	J. P. TSAO
APP. BY	E. CHRISTIAN
DATE	10/18/17

**A-C MOTOR**  
**PERFORMANCE**  
**CURVES**  
 A40W G0844-R015  
 ISSUE DATE 12/01/20

REL. S.O. \_\_\_\_\_ RPM **1185** S.F. **1.15** ROTOR **418142-71EE**  
 FRAME **404T** VOLTS **230/460** NEMA DESIGN **B** TEST S.O. **TYPICAL DATA**  
 HP **60** AMPS **139/69.3** CODE LETTER **G** TEST DATE **---**  
 TYPE **P** DUTY **CONT** ENCLOSURE **TEFC** SPATOR RES @ 25 °C. **0274/.109**  
 PHASE/HERTZ **3/60** AMB °C/INSUL **40/F** E/S **595762** OHMS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE  
 XE MOTOR-NEMA NOM. EFF. 94.5 %  
 GUARANTEED MIN. EFF. 93.6%

AMPERES SHOWN FOR **460** VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

<b>BALDOR</b> A MEMBER OF THE ABB GROUP	DR. BY <u>J.P. TSAO</u>	<b>A-C MOTOR</b>
	CK. BY <u>J.P. TSAO</u>	
	APP. BY <u>E. CHRISTIAN</u>	<b>PERFORMANCE</b>
	DATE <u>10/8/17</u>	<b>CURVES</b>
		ISSUE DATE <u>12/01/20</u>

617429-503

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

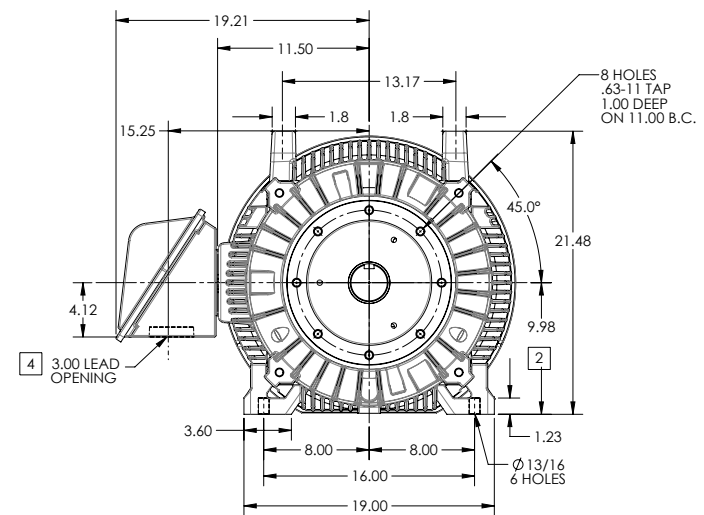
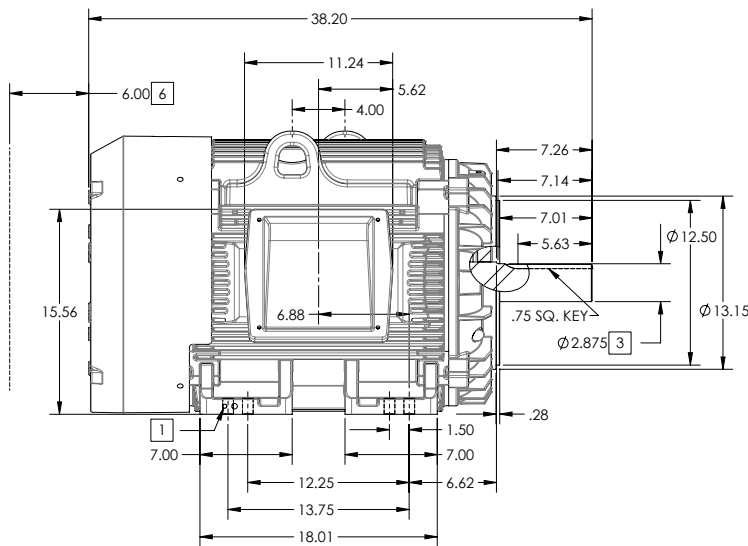
FRAME G405TC ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TC FRAME MOUNTING HOLES

XT/ECP SEVERE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00-.06
3. VARIES +.000-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET
7. MAX FACE RUNOUT AND FIT ECCENTRICITY = 0.007 T.I.R.

**[5] WEIGHT (LBS): 1370**

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
**1 OF 2**

605-627219

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 00000848770
REV: B VERSION: 02	REVISED: 01-18-01 04/14/2014
MODEL NO. 617429-503	REF:
BY: MGHMMZ2	Material:

**BALDOR**

G405TC/404TC STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

617429-503

617429-503

# DUTY MASTER ALTERNATING CURRENT MOTORS

## SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

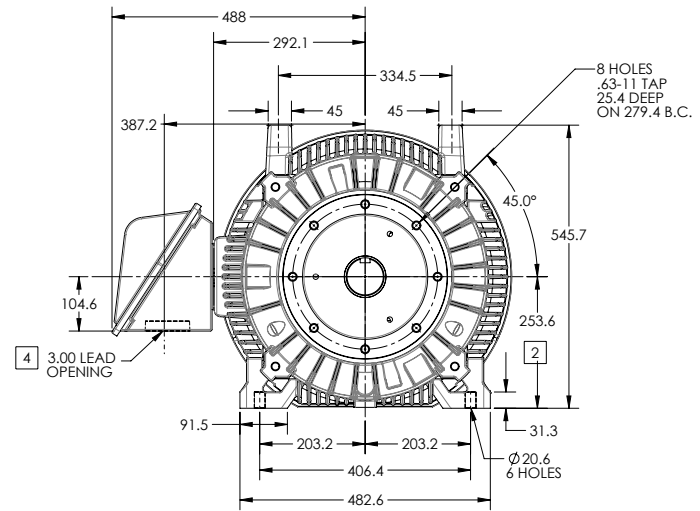
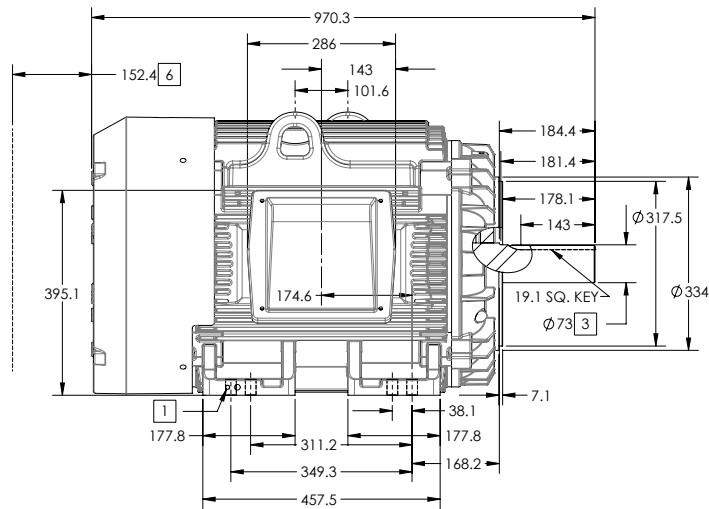
FRAME G405TC ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TC FRAME MOUNTING HOLES

XT/ECP SEVERE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +0, -1.5
3. VARIES +.00, -.03
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET
7. MAX FACE RUNOUT AND FIT ECCENTRICITY = 0.178 T.I.R.

**[5] WEIGHT (KGS): 630**

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.  
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.  
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 MM T.I.R. TO 127 MM DIA.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

SHEET NUMBER  
**2 OF 2**

605-627219

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 00000848770
REV: B VERSION: 02	REVISED: 01-18-01 04/14/2014
MODEL NO. 617429-503	REF:
BY: MGHMMZ2	Material:

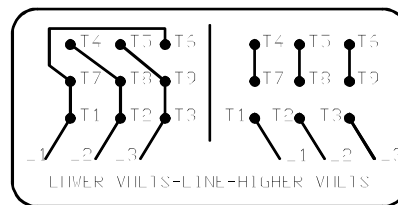
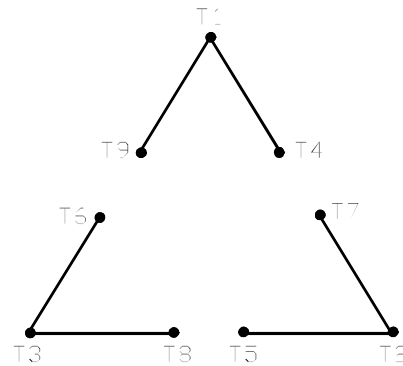
**BALDOR**

G405TC/404TC STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

617429-503

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