

ABB BALDOR RELIANCE III

Customer information packet

IDXM7566T

60HP, 1785-2670RPM, 3PH, 60-90HZ, 405T, A4006

Class - CLI GP D

Division - Division I

Specifications

Enclosure	TEFC
Frame	405T
Frame Material	Iron
Frequency	60.00 Hz 90.00 Hz
Haz Area Class and Group	CLI GP D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	60.000 HP @ 60 HZ 60.000 HP @ 90 HZ
Phase	3
Synchronous Speed @ Frequency	3000 RPM @ 90 HZ
Voltage @ Frequency	230.0 V @ 90 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ 460.0 V @ 90 HZ
Agency Approvals	UL CSA CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	10:1
Current @ Voltage	69.000 A @ 460.0 V 67.600 A @ 460.0 V 139.000 A @ 230.0 V 135.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A40WG0468
Layout	617433-544
Eff. date	02-05-2019
CD Diagram	416820-002
Poles	04
Leads	3#2,6#4
Proprietary	False
Created date	03-14-2016

Haz Area Temp Code	T2B
Heater Indicator	No Heater
High Voltage Full Load Amps	67.6 a
Insulation Class	F
Inverter Code	Inverter Duty
KVA Code	G
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
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm 2670 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	D X X	NO.
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T2B	

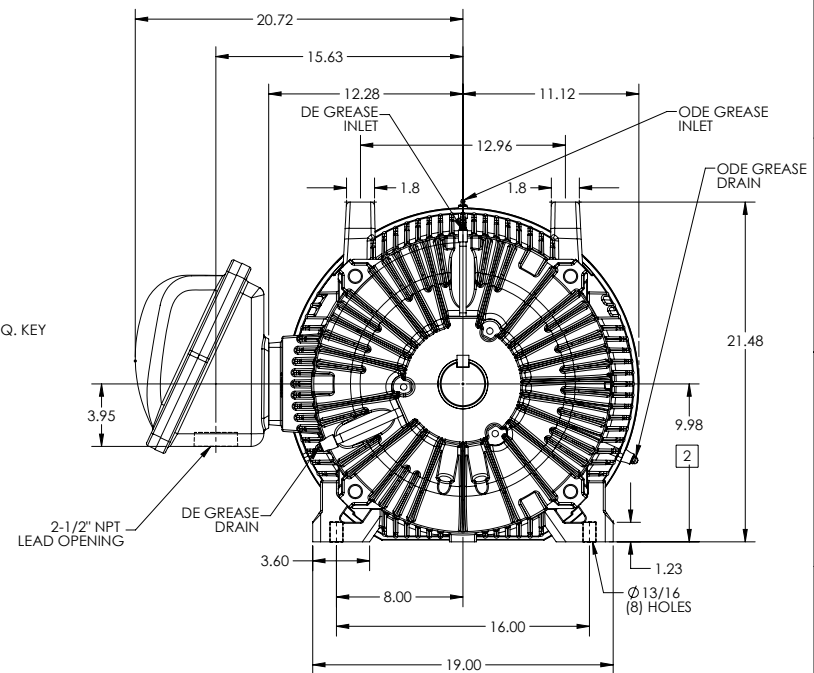
000613007HV

CAT NO				SPEC NO.	P40G4866				
SER.NO.				FRAME	405T				
	HP	TYPE	P						
BASE	60		1785	230/460	135/67.6	60	SF	1.00	
MAX	60		2675	230/460	139/69	90	INSUL.CLASS	F	
DRIVE END BEARING	80BC03J30X			CONSTANT TORQUE	DUTY	CONT	AMB	40	
OPP D.E. BEARING	80BC03J30X			10:1	ENCL	TEFC	PHASE	3	
DESIGN NO.	A40WG0468-R001			FLUX AMPS	17.8				
MAX SPEED/RPM	3600			OVERTEMP PROT	2	WK2	26.07	POLES	4 WEIGHT

000901002AAA	
SUITABLE FOR OPERATION ON VPWM	INVERTER
EQUIPPED WITH IGBT DEVICES AND	CAPABLE OF
CARRIER FREQUENCY OF 2 KHZ OR	HIGHER

SQUIRREL-CAGE INDUCTION

INCLUDES 404T FRAME MOUNTING HOLES



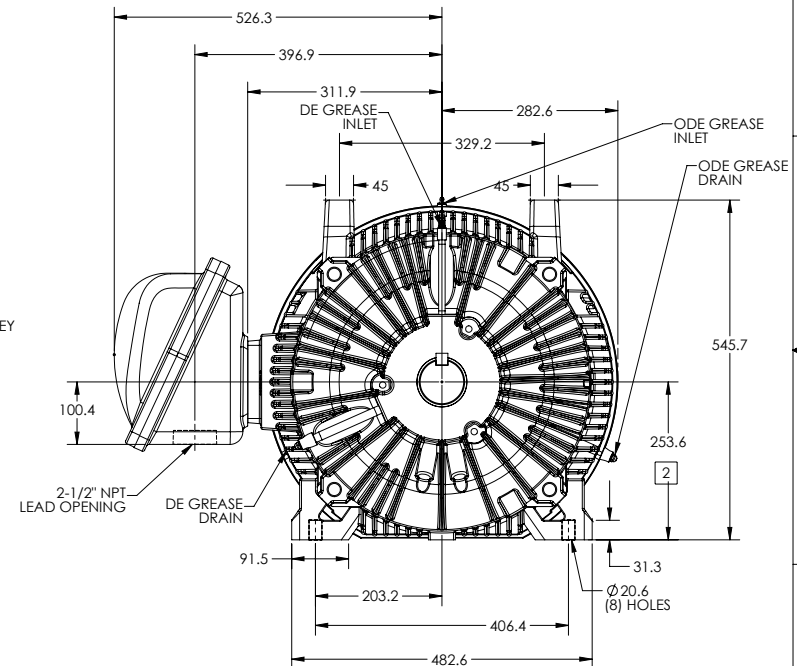
- 4 WEIGHT (LBS): 1400

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

G405T/404T XP TEFC FOOT, 14CB1000A01 BOX

SQUIRREL-CAGE INDUCTION

INCLUDES 404T FRAME MOUNTING HOLES



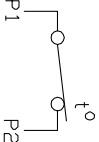
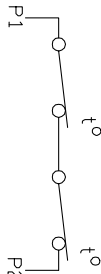
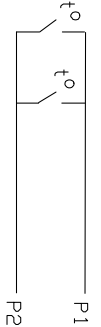
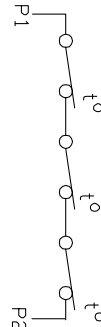
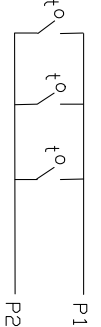
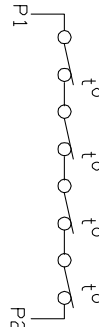
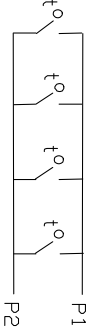
- 6 MASS (KGS): 635

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G405T/404T XP TEFC, FOOT, 14CB1000A01 BOX

CONNECTION DIAGRAM
ACCESSORIES

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

THERMOSTATS	
NORMALLY CLOSED	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		
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MTL: -		

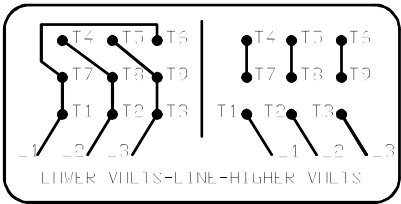
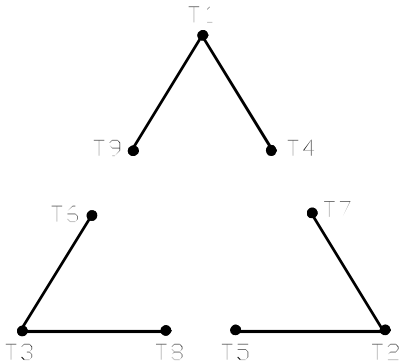
BALDOR

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)

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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FILE: \MGA\00000\661	REVISED: 02:46:19 02/13/2020	BY: MGHMTT
MTL: —		

BALDOR - RELIANCE®

CONN DIAG — STANDARD 9 LEAD, DELTA-CONNECTED
SH 1 of 1

416820-002