



Customer information packet

ECTM4404T-G

75HP, 1185RPM, 3PH, 60HZ, 405T, A40064M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405T
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	75.000 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	CCSAUSEEV NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	86.900 A @ 460.0 V 190.000 A @ 208.0 V 174.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	86.9 a
Insulation Class	B
Inverter Code	Inverter Ready
KVA Code	G

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0770
Layout	617433-750
Eff. date	02-14-2024
CD Diagram	416820-002
Poles	06
Leads	3#2,6#4
Proprietary	False
Created date	04-13-2022

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A40064M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	38.19 IN
Power Factor	85
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1185 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

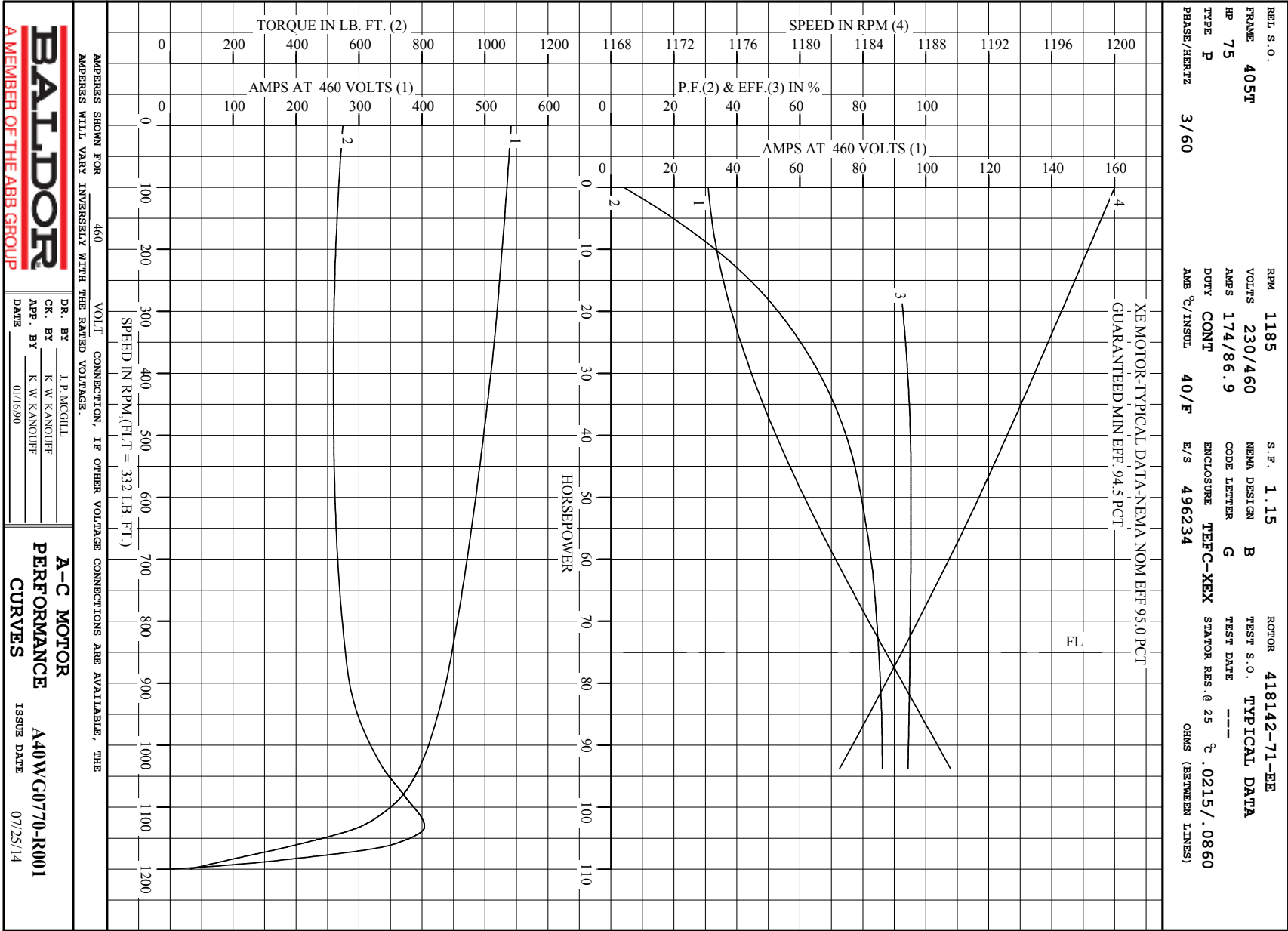
Nameplate

000613007EW

CAT.NO.	ECTM4404T-G				SPEC NO.		A40-7223-0770			
HP	75HP	AMPS	174/86.9		VOLTS		230/460		DESIGN	B
FRAME	405T	RPM	1185		HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	80BC03J30X		PH	3	DUTY	CONT	INSUL.CLASS		F	
OPP D.E. BEARING	80BC03J30X		TYPE	P	ENCL	TEFC	CODE	G		
D.E.BRG.DATA	6316		POWER FACTOR			85	NEMA NOM EFFICIENCY			95
O.D.E.BRG.DATA	6316		MAX CORR KVAR			15.00	GUARANTEED EFFICIENCY			94.1
3/4 LOAD EFF.	95		NEMA NOM/CSA QUOTED EFF							
SER.NO.					MOTOR WEIGHT					

000901002AAA	
INV DUTY 20:1 VT	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	405T	75	P	3/60	1185	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
174/86.9	CONT	40/F	1.15	B	G	TEFC-XEX
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
496234	418142-71-EE	---	---	.0215/.0860		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER % FACTOR	EFFICIENCY %	
NO LOAD	0	31.0	1200	4.11	0	
1/4	18.8	37.2	1197	51.1	92.5	
2/4	37.5	50.7	1194	73.0	95.0	
3/4	56.2	67.7	1190	81.6	95.3	
4/4	75.0	86.9	1187	85.1	95.0	
5/4	93.8	108	1183	86.2	94.4	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	165	549	541		
PULL UP	400	156	519	509		
BREAKDOWN	1132	243	808	302		
FULL LOAD	1187	100	332	86.9		
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-TYPICAL DATA-NEMA NOM EFF 95.0 PCT						
GUARANTEED MIN EFF. 94.5 PCT						
BALDOR			DR. BY J. P. MCGILL			
A MEMBER OF THE ABB GROUP			CR. BY K. W. KANOUFF			
			APP. BY K. W. KANOUFF			
			DATE 01/16/90			
			A-C MOTOR PERFORMANCE DATA			
			A40WG0770-R001			
			ISSUE DATE 07/25/14			



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

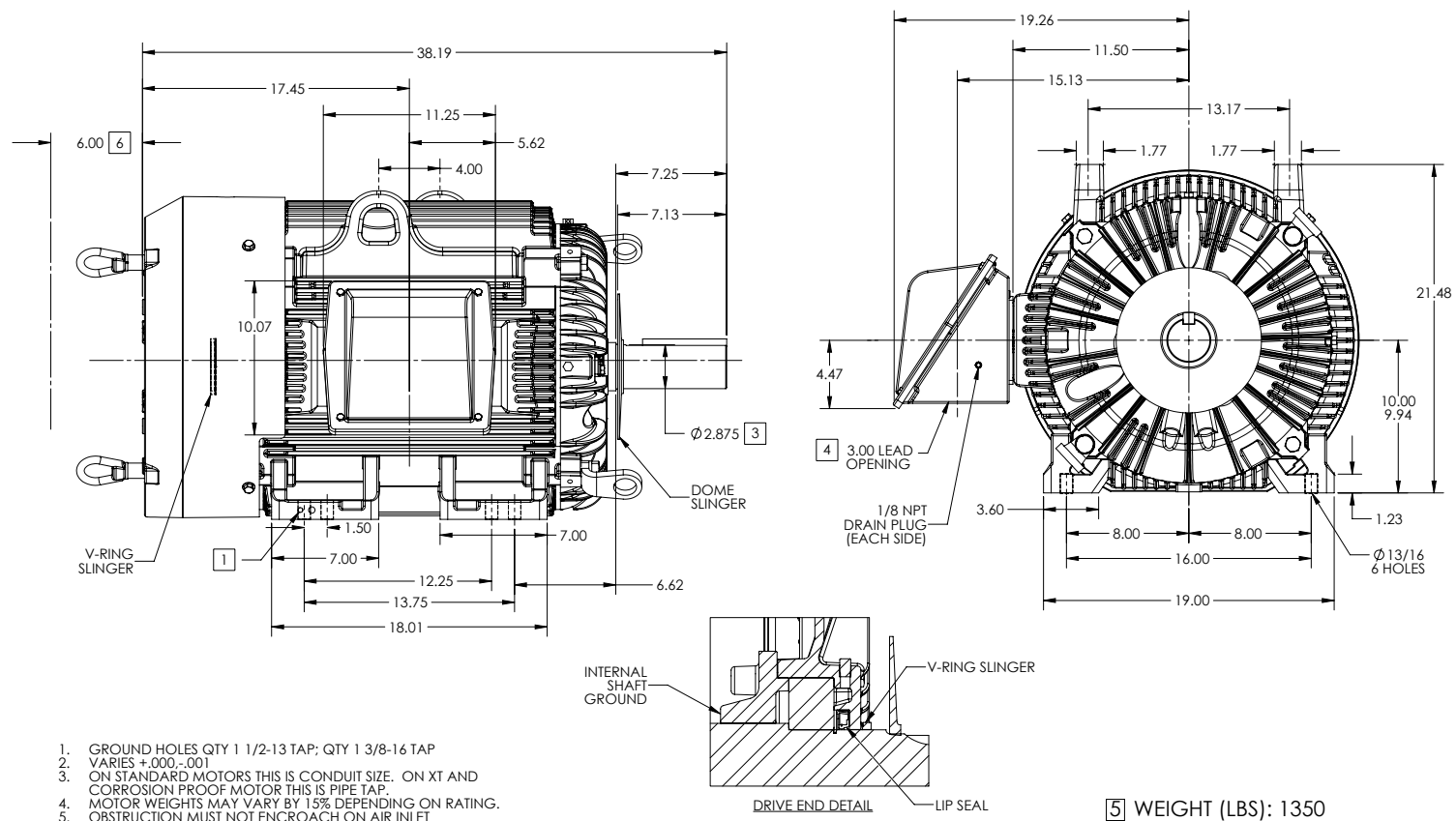
FRAME G405T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404T FRAME MOUNTING HOLES

STANDARD INDUSTRIAL ENCLOSURE



DIMENSIONS ARE IN INCHES

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

SHEET NUMBER
1 OF 1

05C-137L19

REV. DESC: NEW	VERSION: 00	REVISED: 02-16-38 04/26/2022	TDR: 000001187873
MODEL NO. 617433-750	REF:		
BY: USBUFA	Material:		

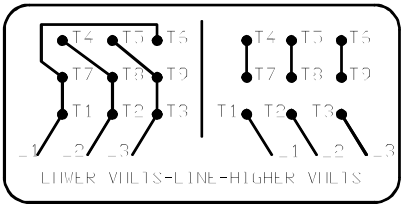
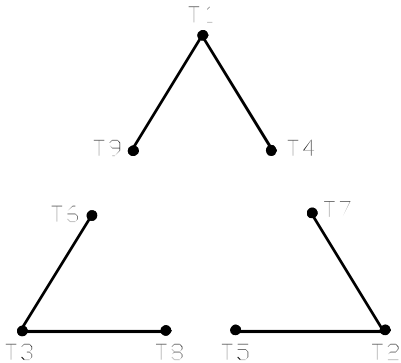
BALDOR

G405T/404T STD - FOOTED - STD ENCL F1 LIPSEAL/V-SLG D.E.

617433-750

416820-002

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



(N.P. 1575-B)

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: —		

BALDOR - RELIANCE®

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

416820-002