



Customer information packet

CPX40666T

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

Class - CLI GP C,D; CLII GP E,F,G

Division - Division I

Specifications

Enclosure	TEFC
Frame	404T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
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	CCSAUSEEV CSA UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	69.000 A @ 460.0 V 138.000 A @ 230.0 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
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	69.0 a
Insulation Class	F

Part detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0844
Layout	617431-807
Eff. date	10-22-2021
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	04-26-2019

Inverter Code	Not Inverter
IP Rating	IP55
KVA Code	G
Max Speed	3000 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A40064M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	38.22 IN
Power Factor	86
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	1185 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	

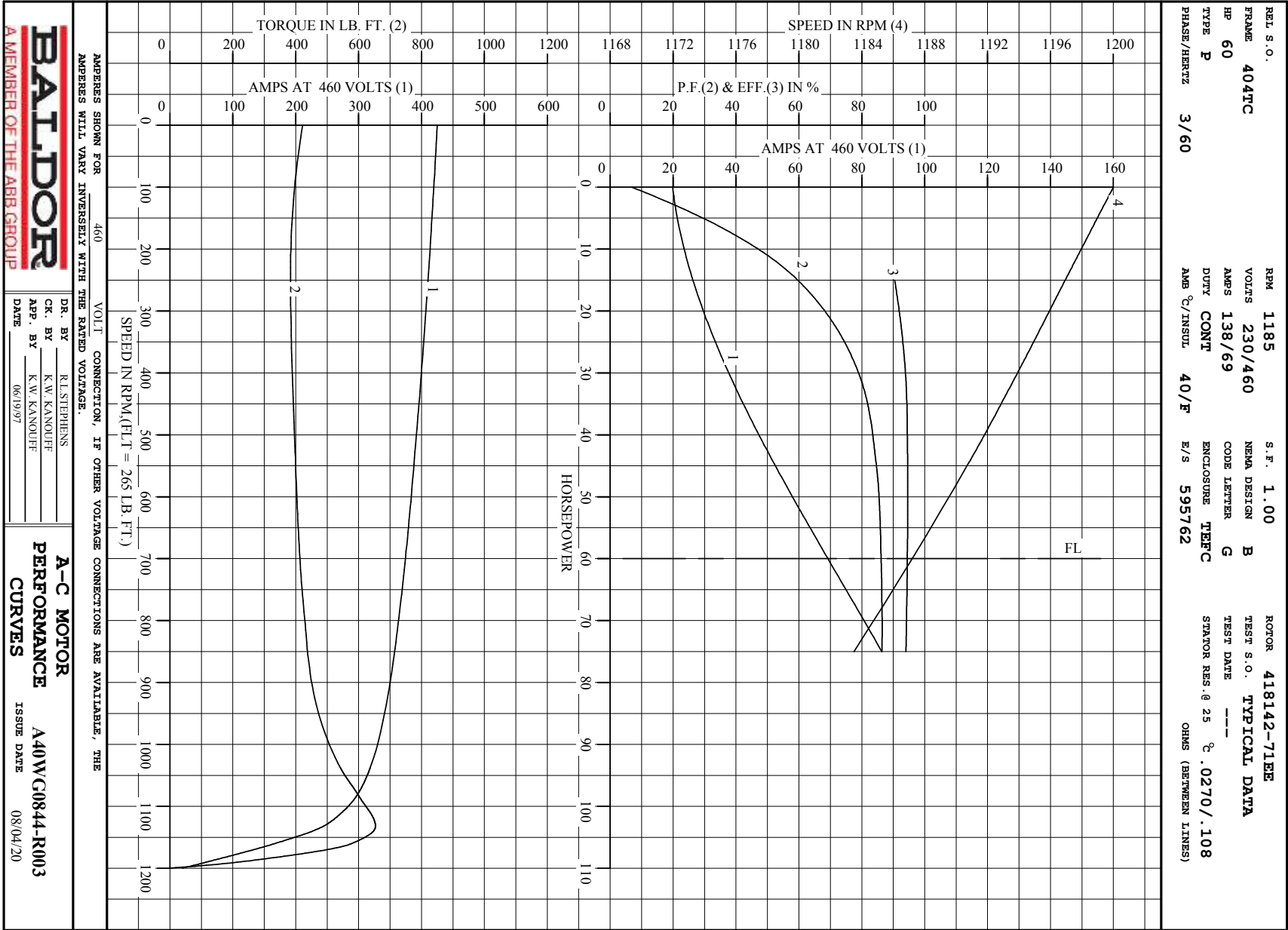
000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	E F G	
OPERATING TEMP CODE	T3C	

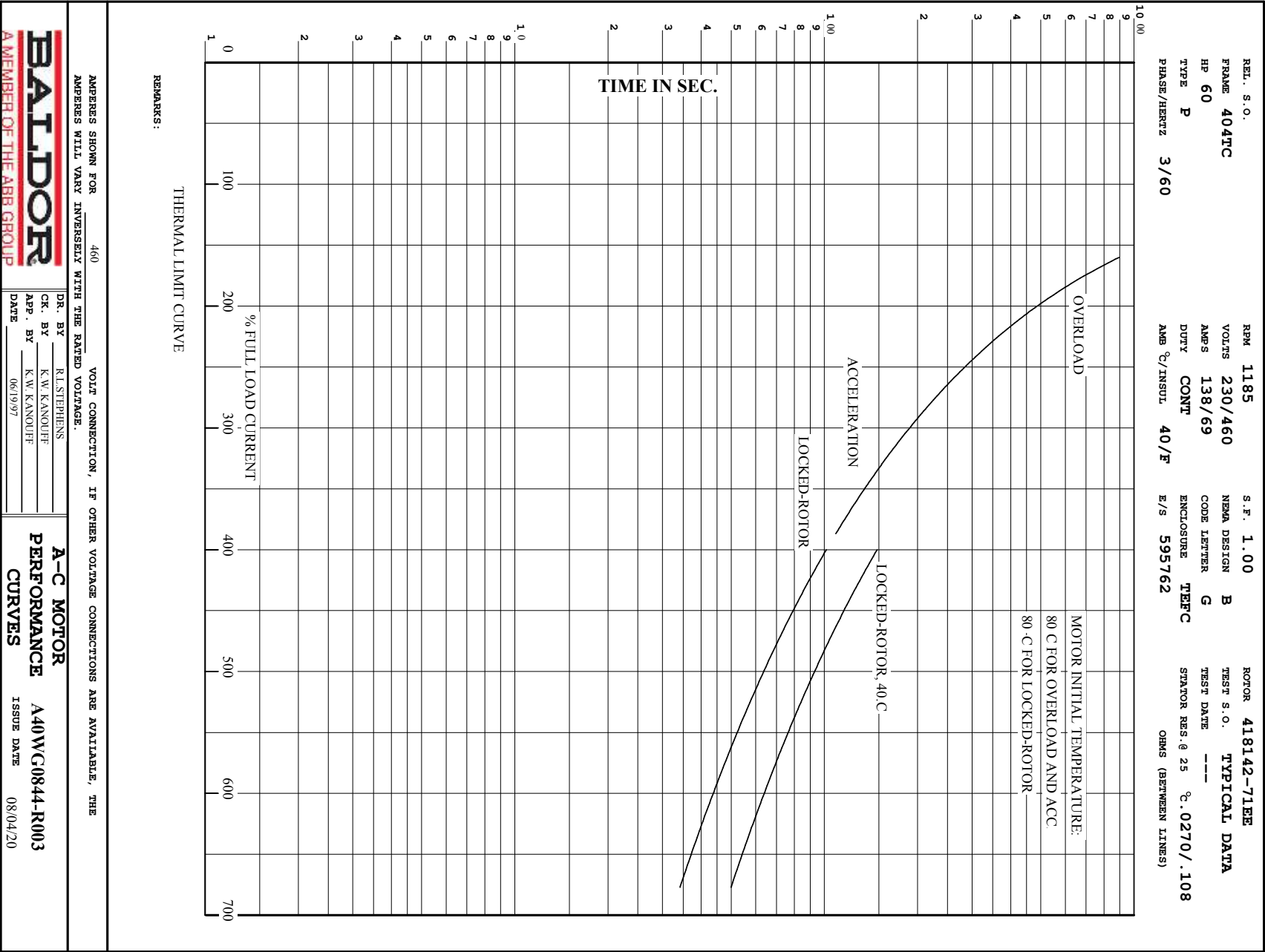
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SUITABLE FOR 55C AMB AT 1.00 S	F AT SINEWAVE

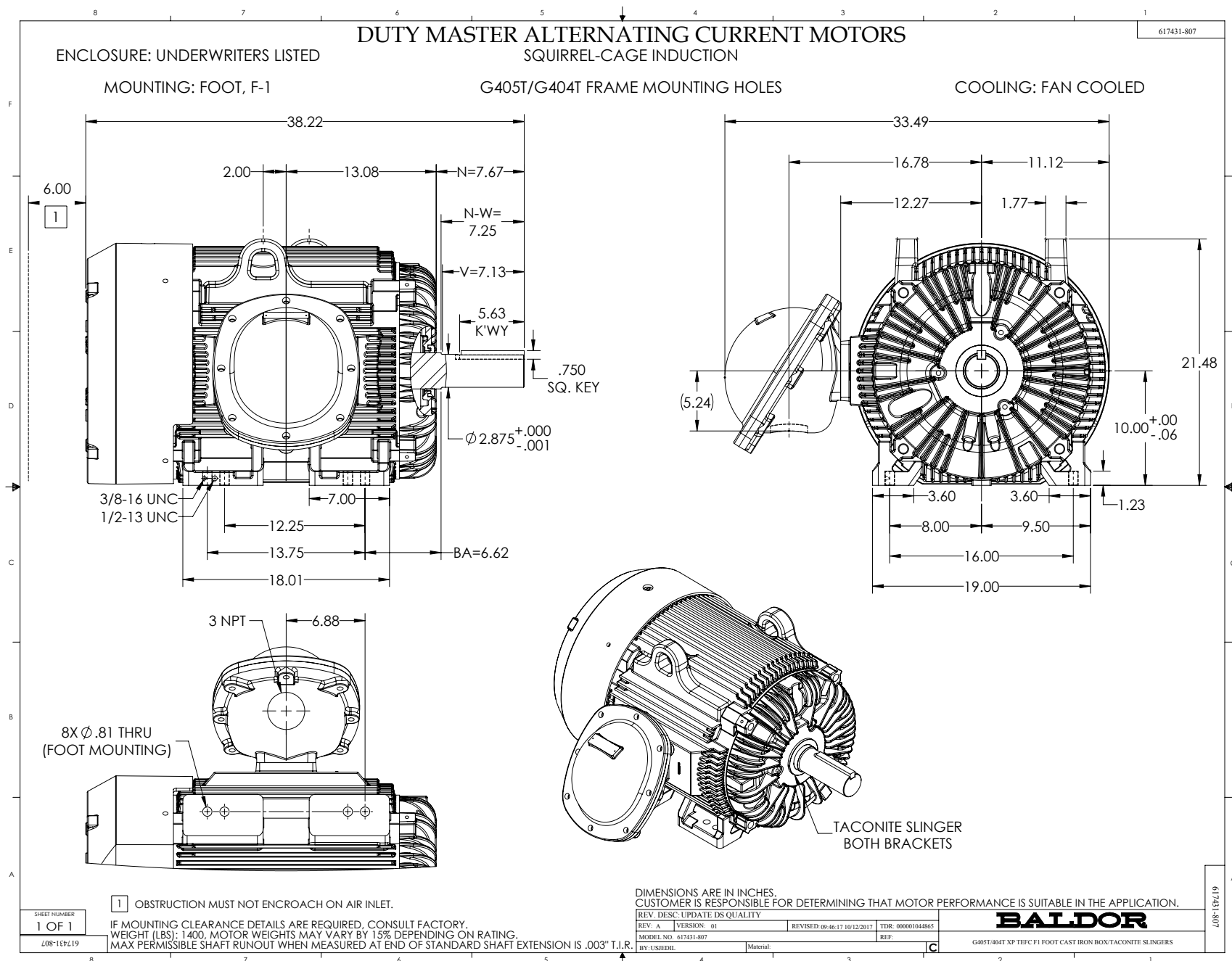
NP3140L

SPEC NO.	A40-7108-0844			CAT.NO.		CPX40666T				FRAME	404T
HP	60	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	1185	AMPS	138/69		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	80BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	80BC03J30X		ENCL	TEFC	CODE	G					
SF	1.15	WK2	32.0	MAG CUR	39.8/19.9		RPM MAX	3000			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-90		NEMA-NOM-EFF		94.5		
	IP66										
SER.NO.				MOTOR WEIGHT							

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	404TC	60	P	3/60	1185	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
138/69	CONT	40/F	1.00	B	G	TEFC
E/S	ROTOR		TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	
595762	418142-71EE		---	---	.0270/.108	
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	19.9	1200	6.84	0	
1/4	15.0	26.0	1197	59.7	90.5	
2/4	30.0	37.9	1194	79.0	93.9	
3/4	45.0	52.6	1191	84.6	94.6	
4/4	60.0	69.0	1187	86.1	94.5	
5/4	75.0	86.4	1184	86.4	94.0	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD		TORQUE LB.-FT.		AMPERES
LOCKED ROTOR	0	159		422		425
PULL UP	240	145		384		411
BREAKDOWN	1133	246		654		243
FULL LOAD	1187	100		265		69.0
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA						
				A-C MOTOR PERFORMANCE DATA		
A MEMBER OF THE ABB GROUP				A40WG0844-R003 ISSUE DATE 08/04/20		







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		
REV. LTR: A	VERSION: 01	TDR: 000000570390
FILE: \RAG\00013\849	REVISED: 10:16:21 12/07/2010	BY: RAGDRF
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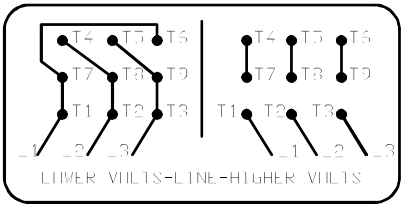
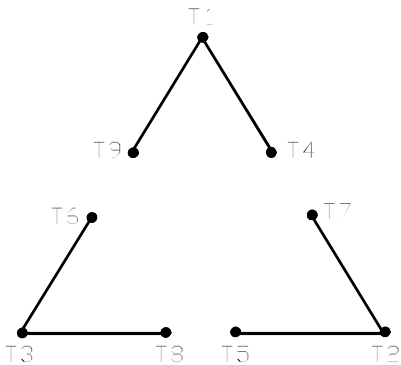
BALDOR

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		
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

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