



Customer information packet

CPX36726T

75HP, 3555RPM, 3PH, 60HZ, 365TS, TEFC, F1

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

Division - Division I

Specifications

Enclosure	TEFC
Frame	365TS
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	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	81.800 A @ 460.0 V 164.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	81.8 a
Insulation Class	F

Part detail

Revision	-
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0026
Layout	617428-706
Eff. date	05-01-2019
CD Diagram	416820-002
Poles	02
Leads	3#2,6#4
Proprietary	False
Created date	04-26-2019

Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Max Speed	4200 rpm
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A36068M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.35 IN
Power Factor	92
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3555 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	

000692000FX



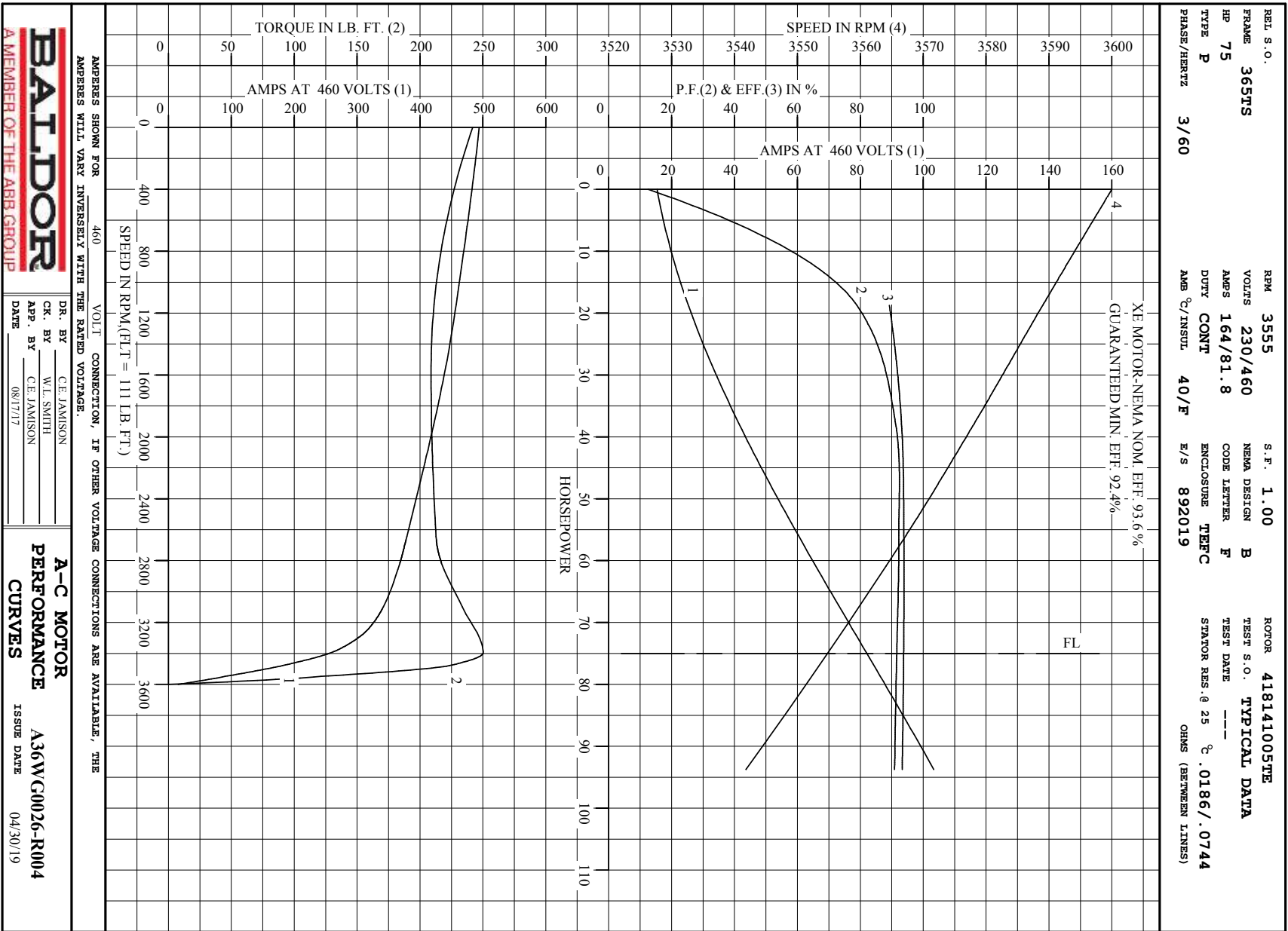
000613006PC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	E F G	
OPERATING TEMP CODE	T3C	

000901002AAA	
SUITABLE FOR 55C AMB AT 1.00 S	F AT SINEWAVE

NP3140L

SPEC NO.	A36-5003-0026			CAT.NO.	CPX36726T					FRAME	365TS
HP	75	VOLTS	230/460		PHASE	3	DESIGN	B	TYPE	P	
RPM	3555	AMPS	164/81.8		HZ	60	AMB	40	SF	1.00	
DRIVE END BEARING	65BC03J30X		DUTY	CONT	INSUL.CLASS			F			
OPP D.E. BEARING	65BC03J30X		ENCL	TEFC	CODE	F					
SF	1.15	WK2	8.642	MAG CUR	31/15.5		RPM MAX	4200			
CT HZ	6-60	VT HZ	0-60	CHP HZ	60-70		NEMA-NOM-EFF		93.6		
	IP66										
SER.NO.				MOTOR WEIGHT		1005					

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	365TS	75	P	3/60	3555	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
164/81.8	CONT	40/F	1.00	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
892019	418141005TE	---	---	.0186/.0744		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	15.5	3600	12.6	0	
1/4	18.8	24.9	3589	78.9	89.3	
2/4	37.5	41.4	3578	91.1	93.1	
3/4	56.2	60.8	3567	92.3	93.9	
4/4	75.0	81.8	3555	91.6	93.8	
5/4	93.8	104	3542	90.9	93.3	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	218	242	494		
PULL UP	1565	188	209	440		
BREAKDOWN	3395	226	250	259		
FULL LOAD	3555	100	111	81.8		
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. 93.6 % GUARANTEED MIN. EFF. 92.4%						
 A MEMBER OF THE ABB GROUP		DR. BY C.E. JAMISON CK. BY W.L. SMITH APP. BY C.E. JAMISON DATE 08/17/17		A-C MOTOR PERFORMANCE DATA A36WG0026-R004 ISSUE DATE 04/30/19		



REL. S.O.
FRAME 365TS
HP 75
TYPE P
PHASE/HERTZ 3/60

RPM 3555
VOLTS 230/460
AMPS 164/81.8
DUTY CONT
AMB °C/INSUL 40/F

S.F. 1.00
NEMA DESIGN B
CODE LETTER F
ENCLOSURE TEFC
E/S 892019

ROTOR 418141005TE
TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES @ 25 °C. 0186/.0744
OHMS (BETWEEN LINES)

10.00
9
8
7
6
5
4
3
2
1.00
9
8
7
6
5
4
3
2
1
0

TIME IN SEC.

100200300400500600700

% FULL LOAD CURRENT

OVERLOAD

ACCELERATION

LOCKED-ROTOR

LOCKED-ROTOR, 40 C

MOTOR INITIAL TEMPERATURE:
110C FOR OVERLOAD AND ACC
110 C FOR LOCKED-ROTOR

1.0
9
8
7
6
5
4
3
2
1

THERMAL LIMIT CURVE

REMARKS:
XE MOTOR-NEMA NOM. EFF. 93.6 %
GUARANTEED MIN. EFF. 92.4%

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 CE JAMISON
CK. BY W.L. SMITH
APP. BY CE JAMISON
DATE 08/17/17

A-C MOTOR

PERFORMANCE

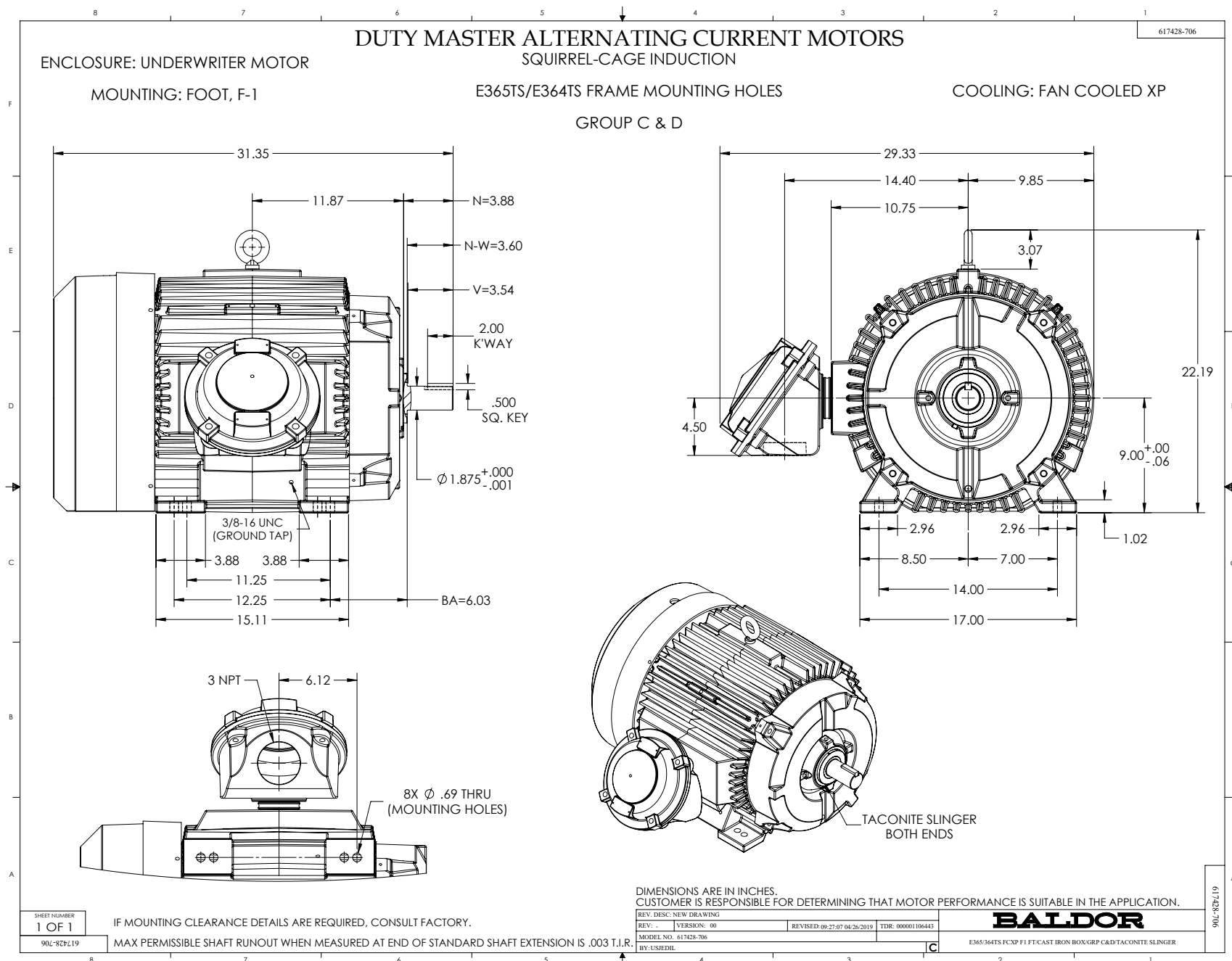
CURVES

A36WG0026-R004

ISSUE DATE 04/30/19

Printed on 4/30/19 15:00 @ bengap01.ba

Page 11 of 14



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
MTL: -		

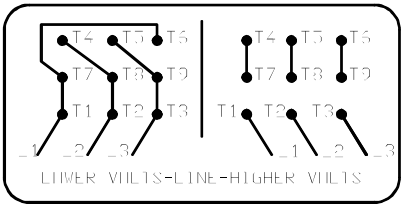
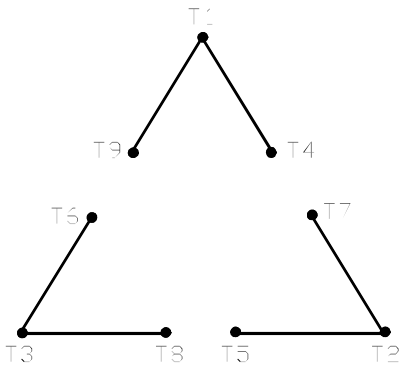
BALDOR

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		
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