ABB BALDOR RELIANCE

Customer information packet

IDXM7066T

60HP, 1800RPM, 3PH, 60HZ, 364T, TEFC, F1
Class - CLI GP D
Division - Division I

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11/20/2026 10:10:22 AM

Specifications

Enclosure	TEFC
Frame	X364T
Frame Material	Iron
Frequency	60.00 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
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 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	2:1
Current @ Voltage	136.000 A @ 230.0 V
	68.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Frame Prefix	X
Haz Area Temp Code	T2B
Heater Indicator	No Heater
High Voltage Full Load Amps	68.0 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	C
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG1207
Layout	616512-525
Eff. date	09-12-2023
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	03-10-2016

KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.44 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	Shaft Slinger
Speed	1780 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.**	P36G4722							
SER.NO.			**FRAME**	X364T							
	HP	**RPM**	**VOLTS**	**AMPS**	**HZ**	**TYPE**	P				
BASE	60	1780	230/460	136/68	60	**SF**	1.00				
MAX	60	2670	230/460	140/70.2	90	**INSUL.CLASS**	F				
DRIVE END BEARING	65BC03J30X		**CONSTANT TORQUE**		**DUTY**	CONT	**AMB**	40			
OPP D.E. BEARING	65BC03J30X		2:1	**ENCL**	TEFC	**PHASE**	3				
DESIGN NO.	A36WG1207-R004		**FLUX AMPS**	40.6/20.3		**VPWM INVERTER READY**					
MAX SPEED/RPM	3600		**OVERTEMP PROT**	2	**WK2**	14.5	**POLES**	4	**WEIGHT**		

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

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60	P	3/60	1780	230/460

AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
136/68	CONT	40/F	1.00	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)
492281	418141035YE	---	---	.0277/.110

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	18.7	1800	8.55	0
1/4	15.0	26.0	1795	60.7	89.0
2/4	30.0	38.1	1791	79.3	93.1
3/4	45.0	52.2	1786	86.0	94.0
4/4	60.0	68.0	1781	87.8	94.1
5/4	75.0	84.9	1776	88.2	93.7

SPEED TORQUE

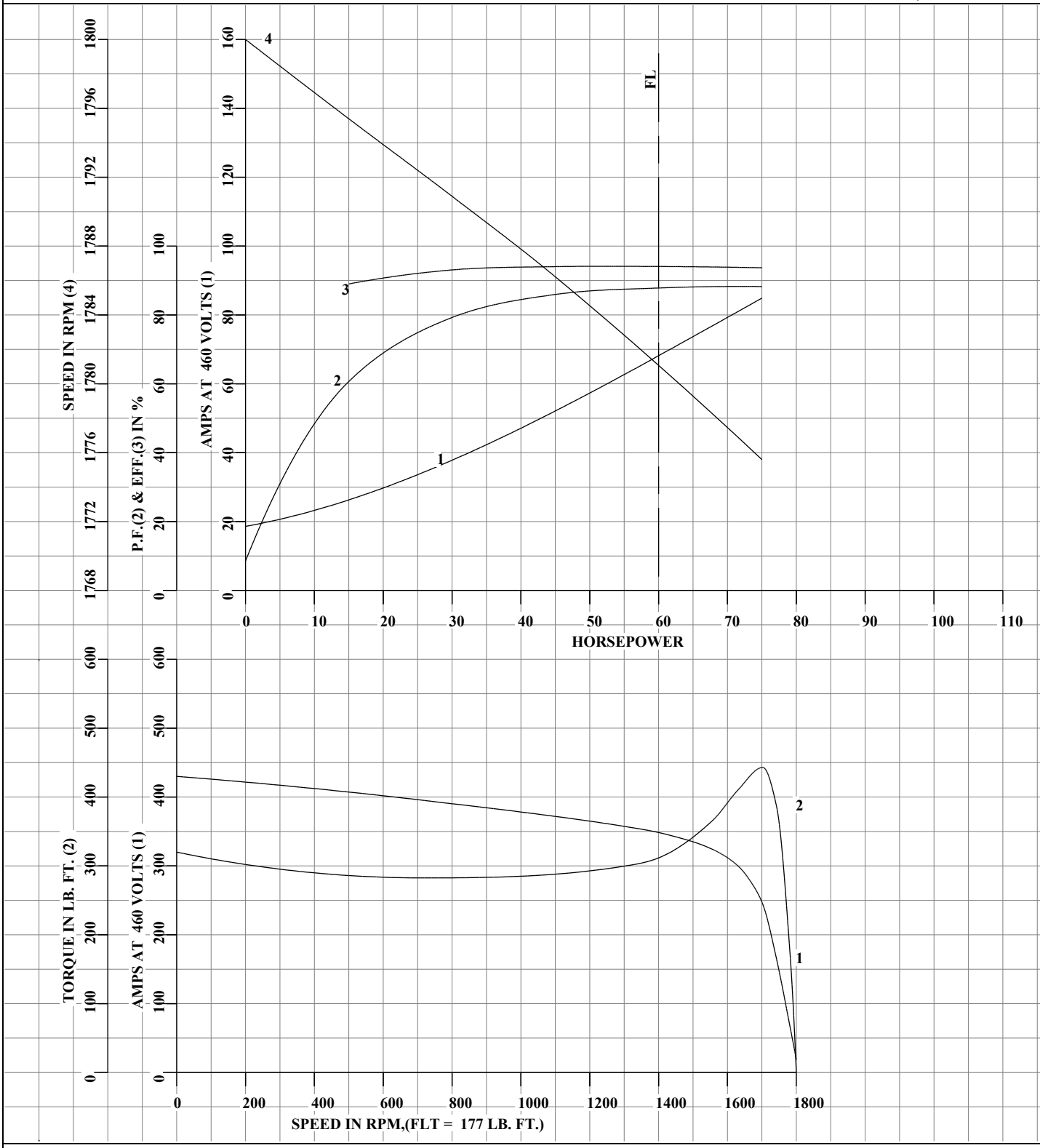
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	181	320	430
PULL UP	720	160	283	395
BREAKDOWN	1703	250	443	244
FULL LOAD	1781	100	177	68.0

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

TYPICAL DATA

ABB	DRAWN BY: C.R.THOMPSON CHECKED BY: K.W. KANOUFF APPROVED BY: K.W. KANOUFF DATE: 11/04/93.	AC MOTOR PERFORMANCE DATA	A36WG1207-R004 DATE ISSUED 05/24/13

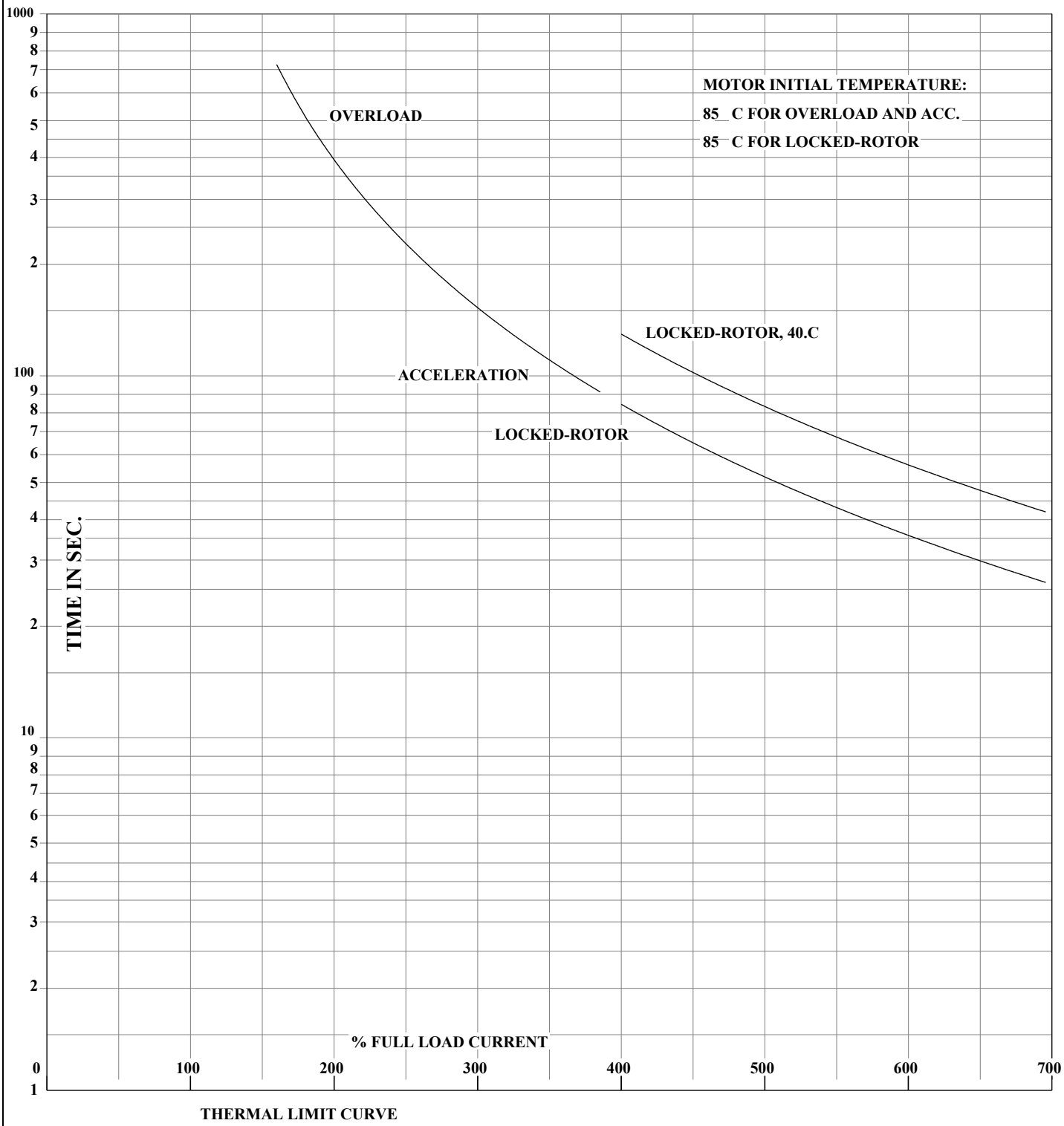
FRAME 364T	RPM 1780	S.F. 1.00	ROTOR 418141035YE
HP 60	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 136/68	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0277/.110
	AMB °C / INSUL 40/F	E/S 492281	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: C.R.THOMPSON CHECKED BY: K.W. KANOUFF APPROVED BY: K.W. KANOUFF DATE: 11/04/93.	AC MOTOR PERFORMANCE DATA	A36WG1207-R004 ISSUE DATE 05/24/13

FRAME 364T	RPM 1780	S.F. 1.00	ROTOR 418141035YE
HP 60	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
TYPE P	AMPS 136/68	CODE LETTER G	TEST DATE ---
PHASE / HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0277/.110
	AMB °C / INSUL 40/F	E/S 492281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

AMPERES SHOWN FOR 230/460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

ABB	DRAWN BY: C.R.THOMPSON CHECKED BY: K.W. KANOUFF APPROVED BY: K.W. KANOUFF DATE: 11/04/93.	AC MOTOR PERFORMANCE DATA	A36WG1207-R004 ISSUE DATE 05/24/13

616512-525

DUTY MASTER ALTERNATING CURRENT MOTORS

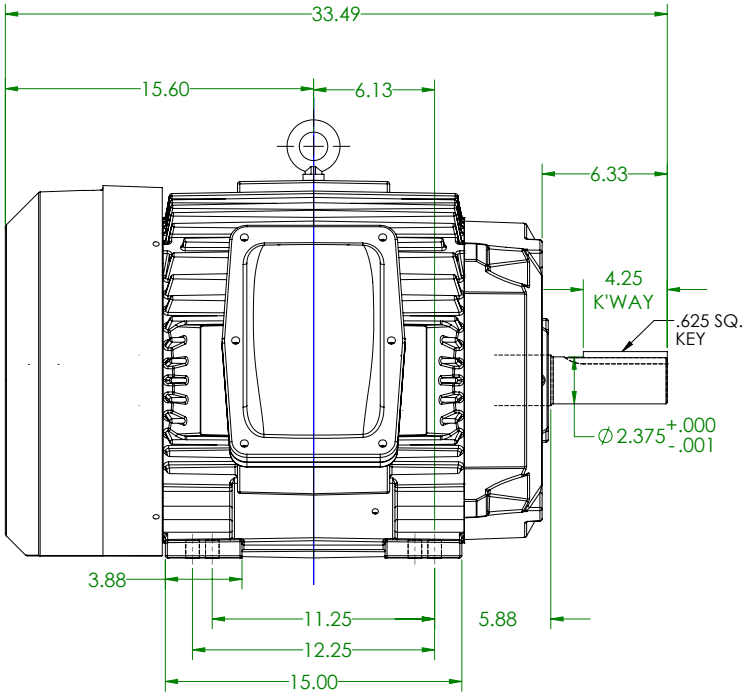
SQUIRREL-CAGE INDUCTION

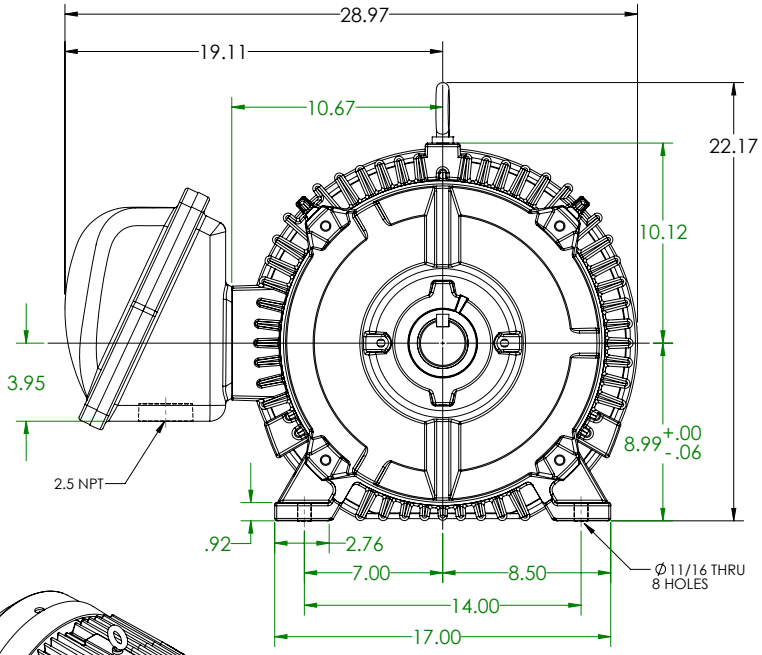
ENCLOSURE: TOTALLY ENCLOSED

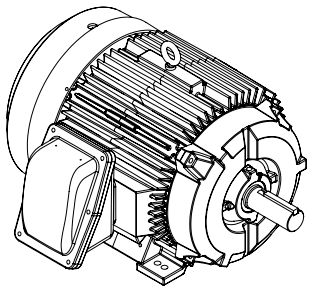
FRAME 365T
INCLUDES 364T FRAME MOUNTING HOLES

COOLING: FAN-COOLED

MOUNTING: FOOT







DIMENSIONS ARE IN INCHES

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

SHEET NUMBER
1 OF 1

616512-525

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .001" T.I.R.

REV. DESC: NEW ISSUE			
REV: -	VERSION: 00	REVISED: 04:28:17 03/10/2016	TDR: 000000970300
MODEL NO. 616512-525			
BY: RAGGDM			C

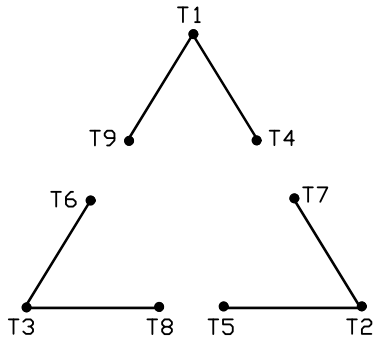
BALDOR

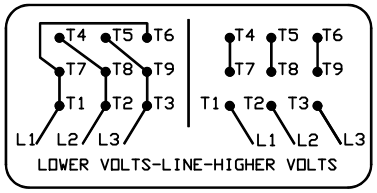
E365T 6313 FCXP W/BOLT ON CONDUIT BOX -- CLASS 1 GR D

616512-525

416820-002

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





(N. P. 1575-B)

REV. DESC: ADJUST TEXT DARKNESS		
REV. LTR: B	VERSION: 02	TDR: 000001285318
FILE: \RAG\00022\453	REVISED: 09:36:26 09/24/2026	BY: USJOSUL
MTL: –		

ABB

CONN DIAG – STANDARD 9 LEAD, DELTA-CONNECTED

SH1 of 1

416820-002