ABB BALDOR RELIANCE

Customer information packet

EM7566T-I

60HP, 1800RPM, 3PH, 60HZ, 364T, FCXP, F1
Class - CLI GP D; CLII GP E,F,G
Division - Division I

7/8/2026 9:49:58 PM

Specifications

Enclosure	TEFC
Frame	364T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP 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	1800 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CCSA US
	CSA
	CSA EEV
	UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	135.000 A @ 230.0 V
	67.800 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	67.8 a
Insulation Class	B
Inverter Code	Not Inverter

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A36WG1727
Layout	611742-983-SH1
Eff. date	02-08-2021
CD Diagram	416820-002
Poles	04
Leads	3#4,6#6
Proprietary	False
Created date	03-09-2016

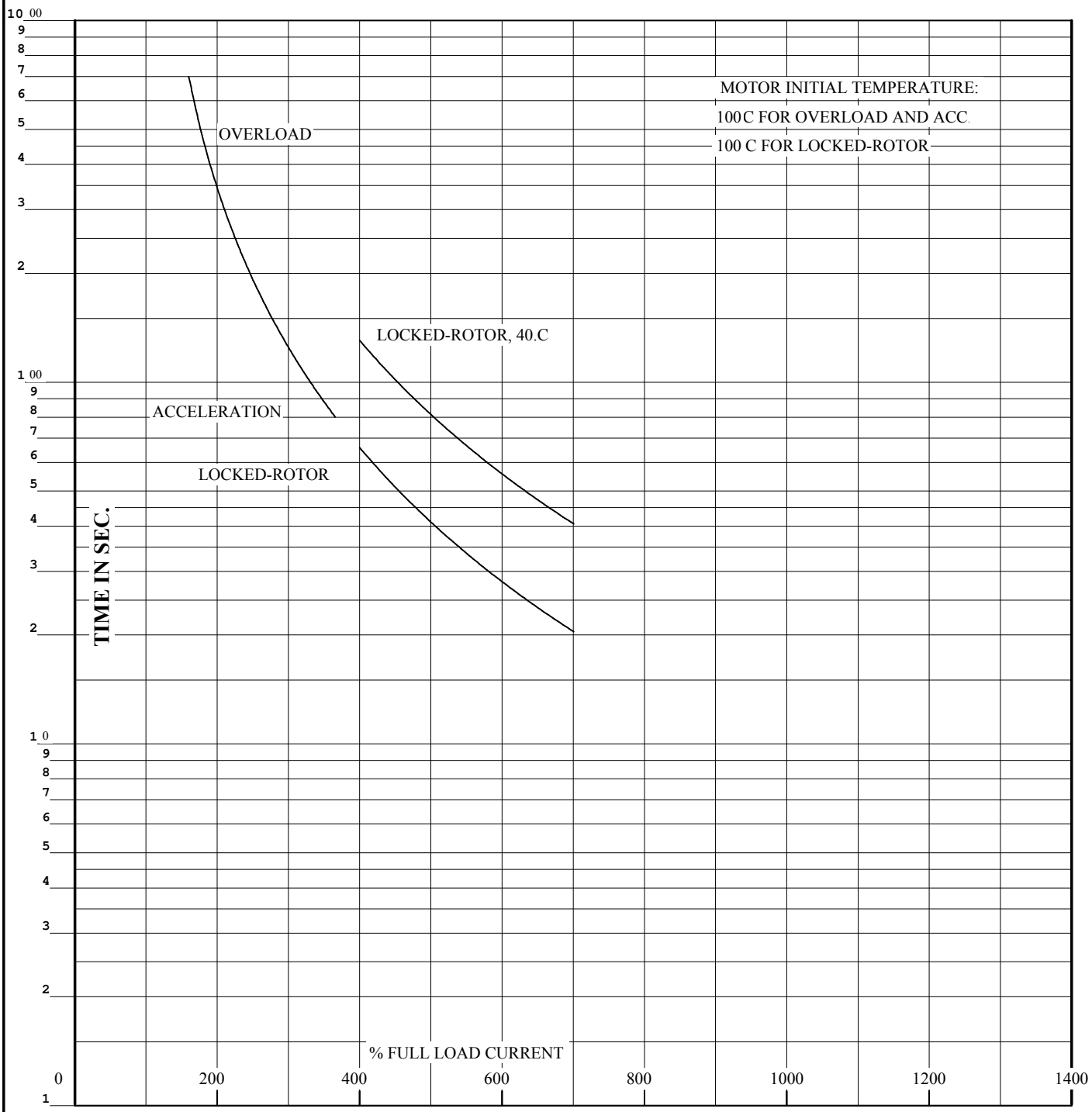
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36062M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	33.44 IN
Power Factor	87
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2293L											
CAT.NO.			**SPEC NO.**	P36G4719				**FRAME**	364T		
HP	60	**PHASE**	3	**DESIGN**	B	**TYPE**	P				
RPM	1780	**HZ**	60	**AMB**	40	**SF**	1.15				
VOLTS	230/460			**DUTY**	CONT			**INSUL.CLASS**	F		
AMPS	136/67.8			**ENCL**	TEFC	**CODE**	G				
DRIVE END BEARING	65BC03J30X			**NEMA-NOM-EFFICIENCY**	95						
OPP D.E. BEARING	65BC03J30X										
SER.NO.											
								MOTOR WEIGHT			

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

REL. S.O.		RPM	1780	S.F.	1.15	ROTOR	418141035YE
FRAME	364T	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	60	AMPS	136/67.8	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	FCXP-XE	STATOR RES.@ 25	℃.0266/.106
PHASE/HERTZ	3/60	AMB ℃/INSUL	40/B	E/S	491317		OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA PREMIUM - 95.0 PCT NOMINAL EFFICIENCY

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

REL. 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	ENCL.
136/67.8	CONT	40/B	1.15	B	G	FCXP-XE

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
491317	418141035YE	---	---	.0266/.106

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	21.8	1800	4.07	0
1/4	15.0	27.0	1796	55.8	93.3
2/4	30.0	38.4	1791	76.6	95.4
3/4	45.0	52.4	1786	84.2	95.5
4/4	60.0	67.8	1781	87.0	95.2
5/4	75.0	84.6	1776	87.8	94.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	185	327	432
PULL UP	270	155	274	399
BREAKDOWN	1709	251	444	246
FULL LOAD	1781	100	177	67.8

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

REMARKS: TYPICAL DATA
NEMA PREMIUM - 95.0 PCT NOMINAL EFFICIENCY

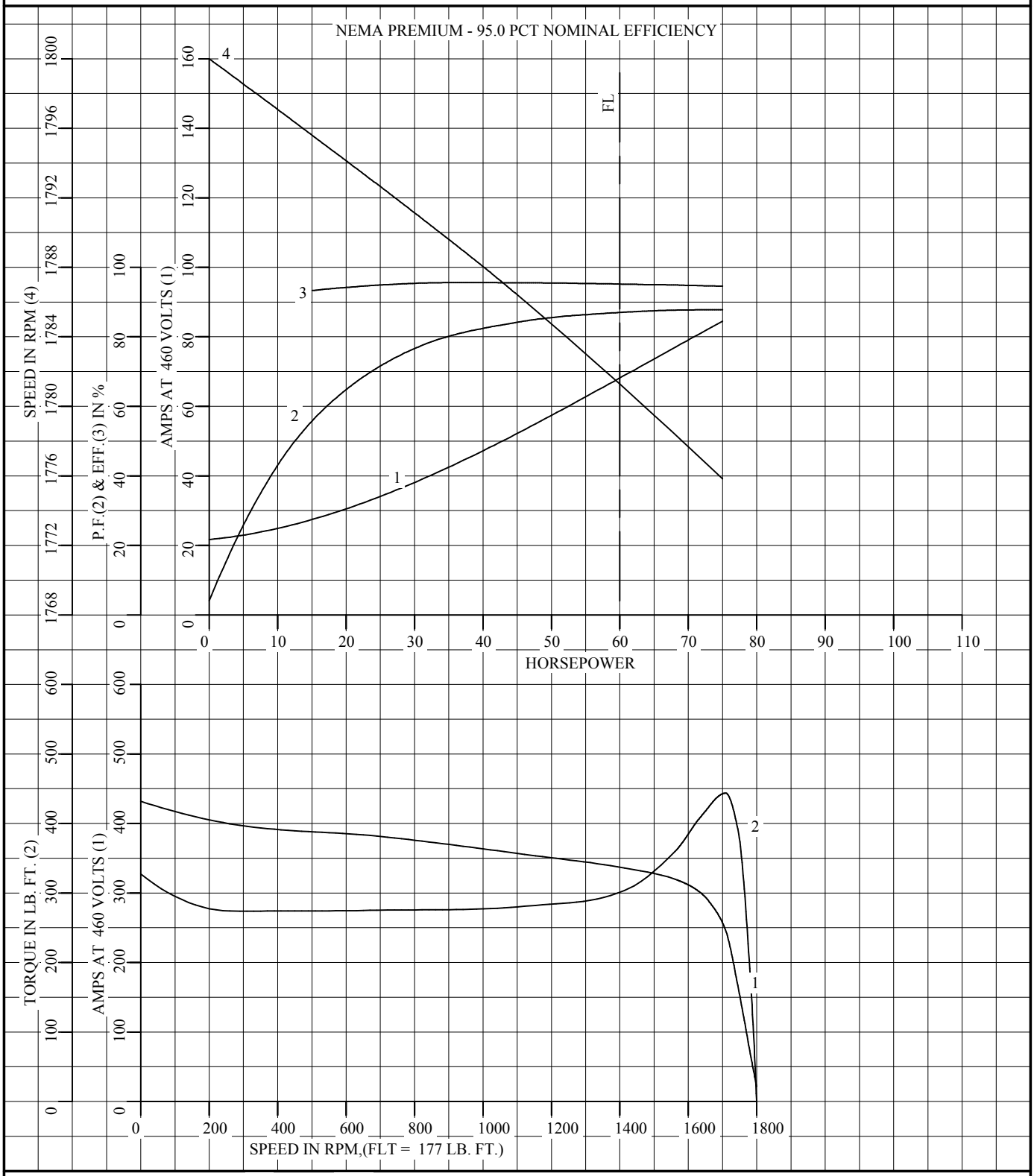
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY W. L. SMITH
DATE 08/24/10

A-C MOTOR PERFORMANCE DATA

A36WG1727-R003
ISSUE DATE 05/31/11

REL S.O.		RPM	1780	S.F.	1.15	ROTOR	418141035YE
FRAME	364T	VOLTS	230/460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	60	AMPS	136/67.8	CODE LETTER	G	TEST DATE	---
TYPE	P	DUTY	CONT	ENCLOSURE	FCXP-XE	STATOR RES.@ 25 °C	.0266/.106
PHASE/HERTZ	3/60	AMB °C/INSUL	40/B	E/S	491317		OHMS (BETWEEN LINES)



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

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY	W. L. SMITH
CK. BY	J.J.HARRISON
APP. BY	W. L. SMITH
DATE	08/24/10

A-C MOTOR PERFORMANCE CURVES

A36WG1727-R003

ISSUE DATE 05/31/11

611742-983-SH1

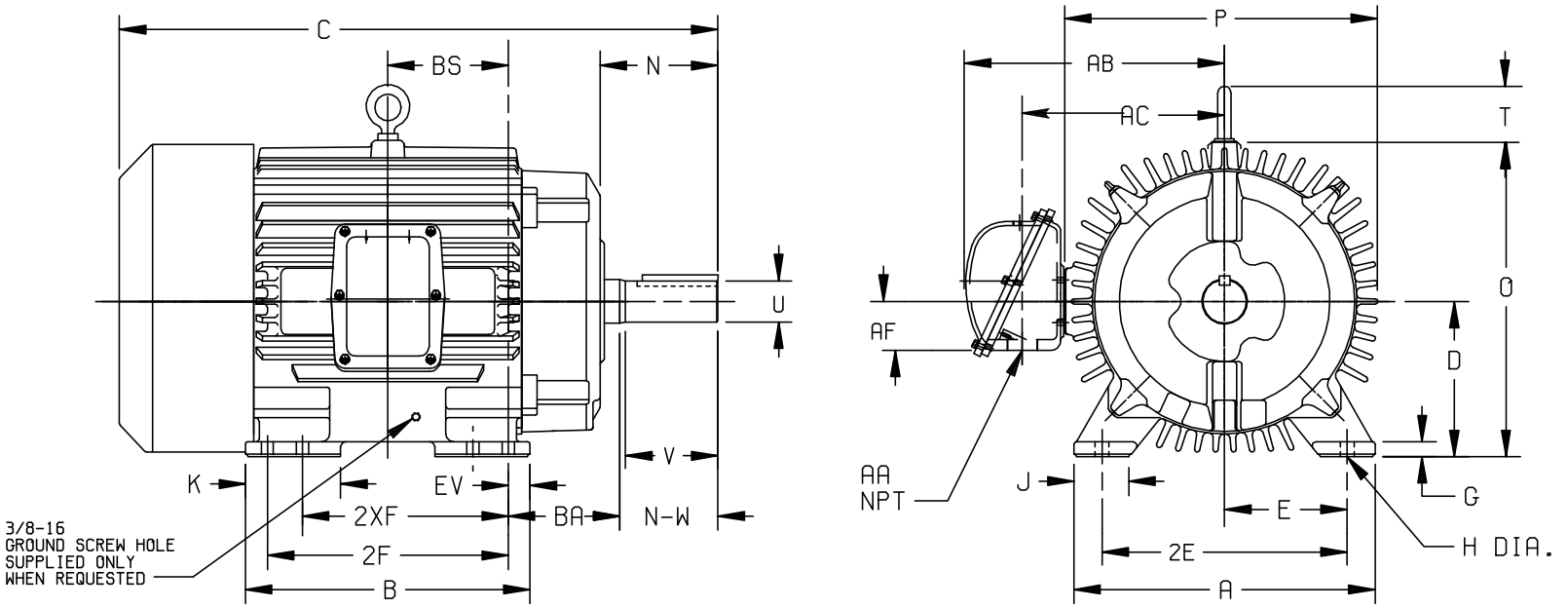
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
UNDERWRITERS LISTED MOTOR
MOUNTING: FOOT

FRAMES E364T-E365TS

COOLING: FAN COOLED
BOLTED ON CONDUIT BOX



DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME	A	D(1)	E	G	H	J	K	O	P	T	XP TERMINAL BOX AA	XP TERMINAL BOX AB	XP TERMINAL BOX AC	XP TERMINAL BOX AF	BA	EV
E364T-365TS	17.00	9.00	7.00	.88	.69	2.75	4.00	19.11	20.25	2.94	2-1/2	18.64	14.14	4.00	5.88	1.38

FRAME SIZE	C	BS	B	2F	(3) 2XF	N	SHAFT AND KEY N-W(5)	SHAFT AND KEY U(2)	SHAFT AND KEY V	SHAFT AND KEY SQ.	SHAFT AND KEY LGTH.	WEIGHT LBS. (4)
E364T	33.44	6.12	15.00	---	11.25	6.00	5.88	2.375	5.62	.625	4.25	910
E364TS	31.31	6.12	15.00	---	11.25	3.88	3.75	1.875	3.50	.500	2.00	904
E365T	33.44	6.12	15.00	12.25	---	6.00	5.88	2.375	5.62	.625	4.25	950
E365TS	31.31	6.12	15.00	12.25	---	3.88	3.75	1.875	3.50	.500	2.00	944

(1) "D" VARIES +.00, -.06.
(2) "U" VARIES +.000, -.001.
(3) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
(4) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
(5) "N-W" VARIES +.00, -.25.

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2,W-1, W-4,W-5,W-7, OR C-1 MOUNTING IS SPECIFIED.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .003

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: NEW ISSUE		
REV. LTR: -	VERSION: 00	TDR: 000000969971
FILE: \RAG\00021\494	REVISED: 02:20:27 03/09/2016	BY: RAGGDM
MTL: -		

BALDOR

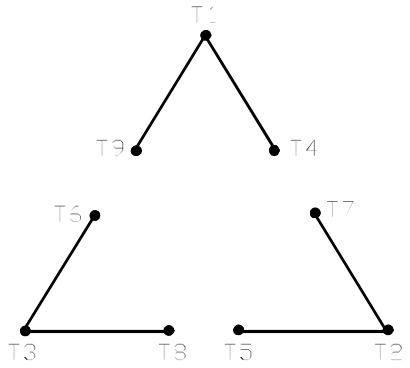
DIM SHT FCXP FT E360T BOLTED ON C/B W/2-1/2"NPT

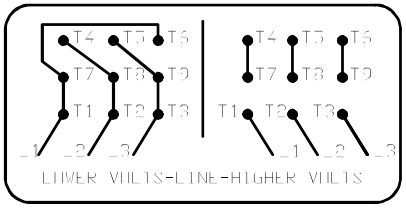
SH 1 of 1

611742-983-SH1

416820–002

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





(N.P. 1575-B)

416820–002

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BALDOR - RELIANCE®

CONN DIAG – STANDARD 9 LEAD, DELTA–CONNECTED

SH 1 of 1