ABB BALDOR RELIANCE

Customer information packet

EWDM4338T

30HP, 890RPM, 3PH, 60HZ, 364T, A36050M, TEFC, F
Class - None
Division - Not Applicable

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11/13/2026 8:43:45 PM

Specifications

Enclosure	TEFC
Frame	364T
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	30.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	80.000 A @ 230.0 V
	40.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.7 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	40.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	IP55
KVA Code	G

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0999
Layout	617428-593
Eff. date	12-09-2021
CD Diagram	416820-002
Poles	08
Leads	3#6,6#8
Proprietary	False
Created date	08-20-2019

Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 6 AWG
Motor Standards	NEMA
Motor Type	A36050M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	33.48 IN
Power Factor	77
Product Family	Washdown Features
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.374 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	890 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L
MOBIL POLYREX EM

NP2428L												
SPEC NO.	A36-7347-0999	**CAT.NO.**	EWDM4338T						**FRAME**	364T		
HP	30	**VOLTS**	230/460	**PHASE**	3	**DESIGN**	B	**TYPE**	P			
RPM	890	**AMPS**	80/40	**HZ**	60	**AMB**	40	**SF**	1.15			
DRIVE END BEARING	65BC03JGG30A	**DUTY**	CONT	**INSUL.CLASS**	F							
OPP D.E. BEARING	65BC03JGG30A	**ENCL**	TEFC	**CODE**	G							
SER.NO.		**POWER FACTOR**	77					**NEMA-NOM-EFFICIENCY**		91.7		
						MAX CORR KVAR	9	**GUARANTEED EFFICIENCY**		90.2		
	IP55					**NEMA NOM/CSA QUOTED EFF**						
	10:1CT AND 10:1VT ON VPWM INVE				RTER, 1.00SF			**MOTOR WEIGHT**				

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	30	P	3/60	890	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
80/40	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
-	418141073AE	---	---	.0676/.270

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	16.5	900	7.17	0
1/4	7.52	19.5	897	42.6	84.8
2/4	15.0	24.7	894	62.9	90.4
3/4	22.5	32.0	891	71.9	91.7
4/4	30.0	40.0	888	76.5	91.7
5/4	37.5	48.8	884	78.9	91.2

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	136	242	212
PULL UP	213	128	227	200
BREAKDOWN	841	228	405	118
FULL LOAD	888	100	177	40.0

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

REMARKS: TYPICAL DATA
NEMA NOM. EFF. = 91.7 PCT

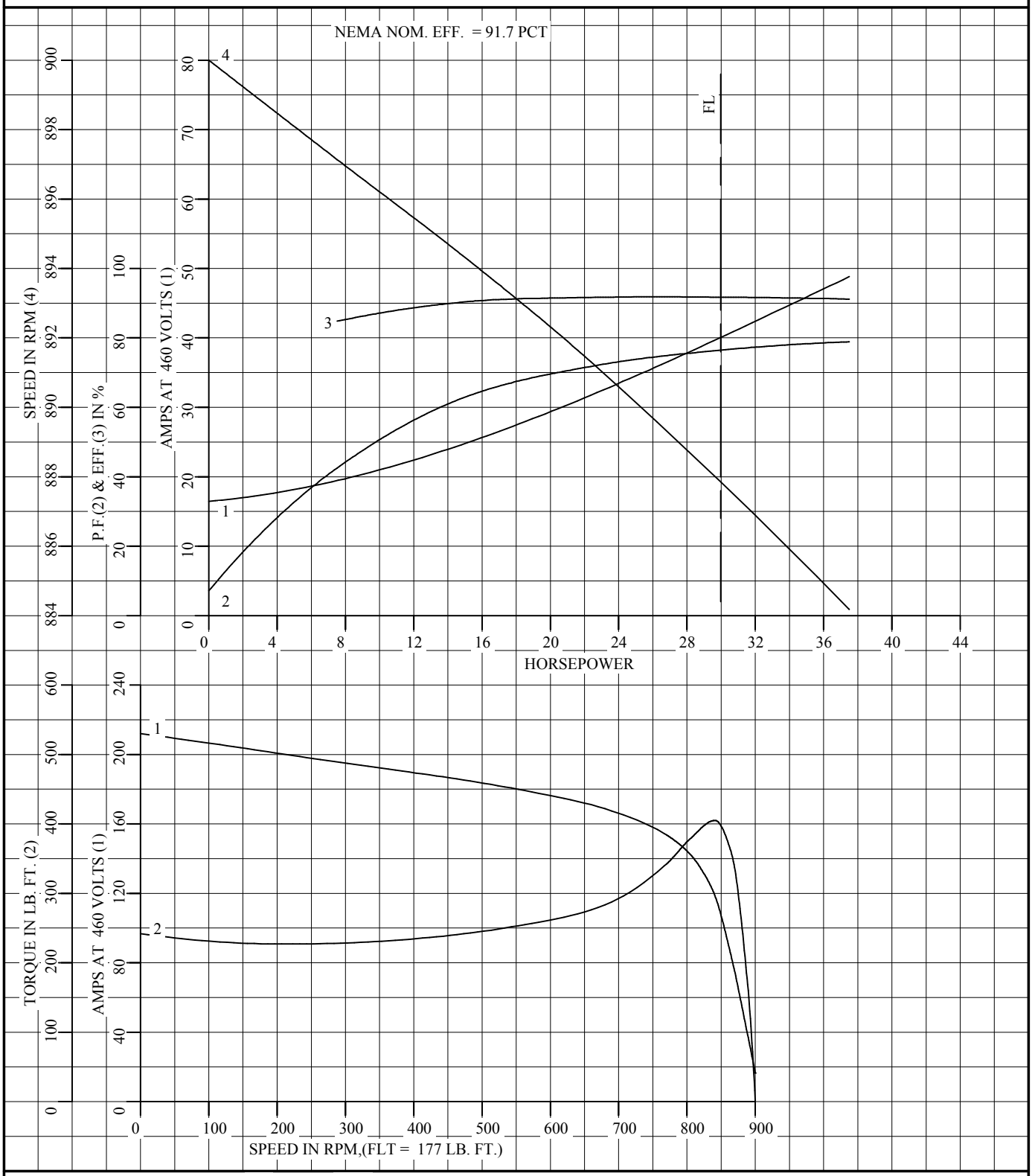
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY C.E.JAMISON
APP. BY W. L. SMITH
DATE 08/16/19

A-C MOTOR PERFORMANCE DATA

A36WG0999-R007
ISSUE DATE 02/20/20

REL S.O.	RPM 890	S.F. 1.15	ROTOR 418141073AE
FRAME 364T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 30	AMPS 80/40	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C .0676/.270
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S –	OHMS (BETWEEN LINES)



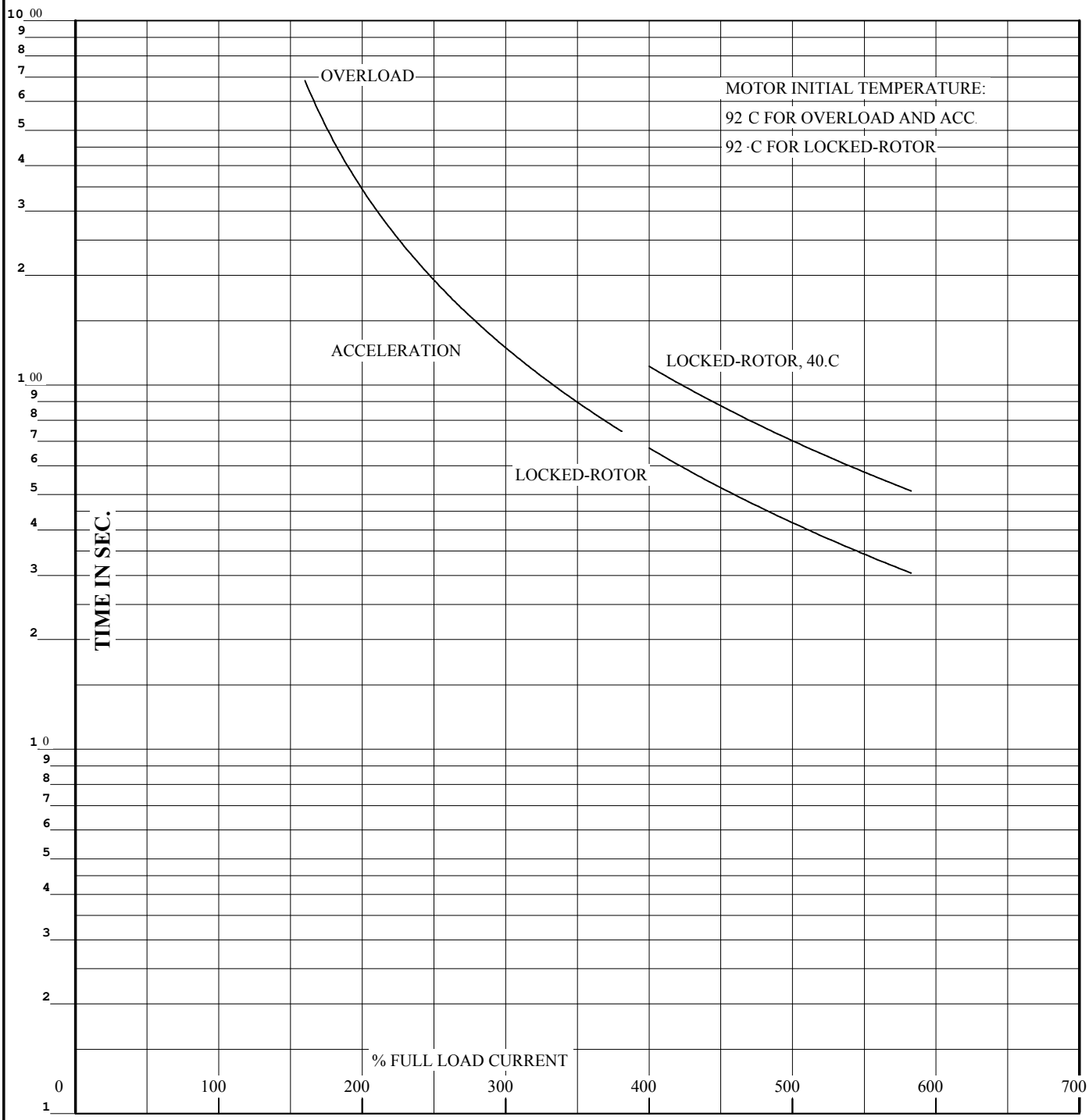
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP

DR. BY	W. L. SMITH
CK. BY	C.E.JAMISON
APP. BY	W. L. SMITH
DATE	08/16/19

A–C MOTOR PERFORMANCE CURVES A36WG0999-R007 ISSUE DATE 02/20/20

REL. S.O.	RPM 890	S.F. 1.15	ROTOR 418141073AE
FRAME 364T	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 30	AMPS 80/40	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0676/.270
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S -	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: NEMA NOM. EFF. = 91.7 PCT

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

617428-593

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

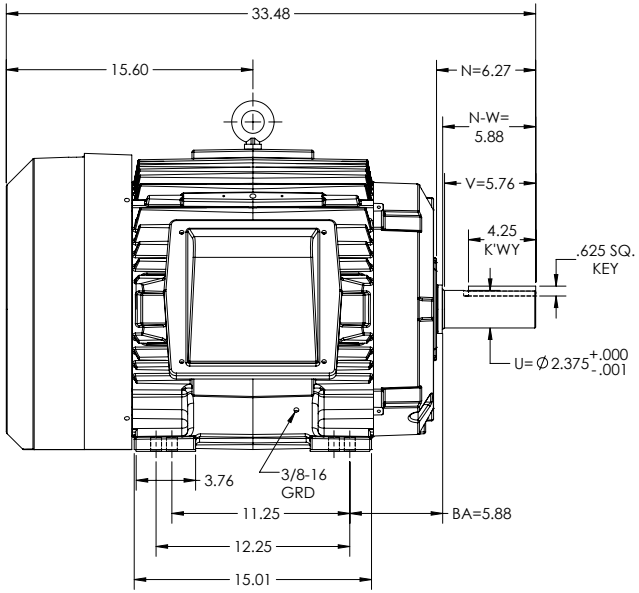
MOUNTING: FOOT, F-1 SIDE

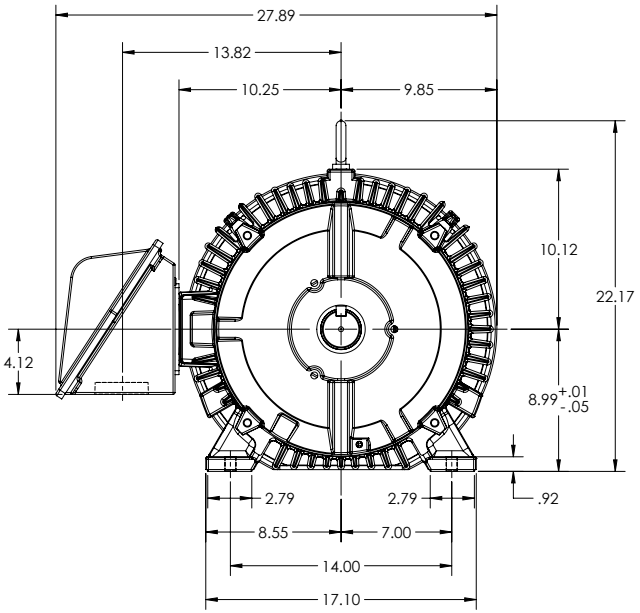
FRAME E365T
INCLUDES E364T FRAME MOUNTING HOLES

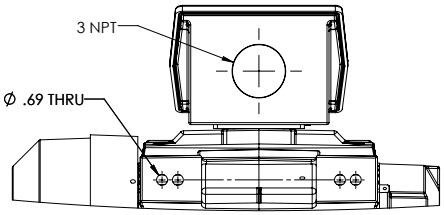
CAST IRON CONDUIT BOX

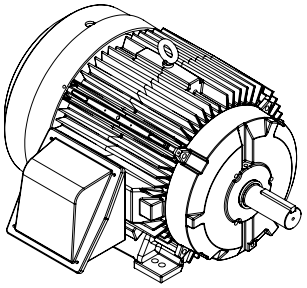
COOLING: FAN COOLED

ENCLOSURE ENHANCEMENT: SEVERE DUTY









IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

DIMENSIONS ARE IN INCHES

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

REV. DESC: REMOVE SLINGER NOTE			
REV: A	VERSION: 01	REVISED: 08:44:29 03/26/2020	TDR: 000001135936
MODEL NO. 617428-593			
BY: RAGJSS1			C

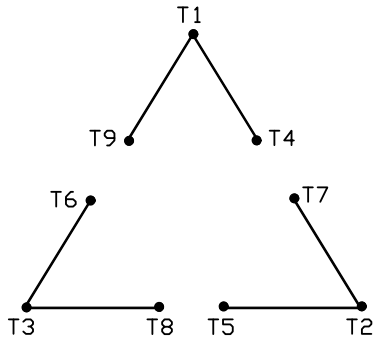
BALDOR

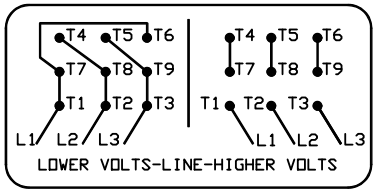
E365/4T TEFC F1 FT SEVERE-

617428-593

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