ABB BALDOR RELIANCE

Customer information packet

EM7310T-I

60//50HP, 3560//2960RPM, 3PH, 60//50HZ364TS
Class - CLI GP C,D
Division - Division I

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Specifications

Enclosure	TEFC
Frame	364TS
Frame Material	Iron
Frequency	50.00 Hz
	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	50.000 HP @ 50 HZ
	60.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ
	190.0 V @ 50 HZ
	380.0 V @ 50 HZ
	460.0 V @ 60 HZ
Agency Approvals	UL
	CSA EEV
	CSA
	CCSA US
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	68.300 A @ 380.0 V
	67.300 A @ 460.0 V
	137.000 A @ 190.0 V
	135.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	93.6 %

Part Detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0796
Layout	611742-675-SH1
Eff. date	09-14-2017
CD Diagram	416820-002
Poles	02
Leads	3#4,6#6
Proprietary	False
Created date	04-09-2014

Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	67.3 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	NEMA
Motor Type	A36048M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	31.31 IN
Power Factor	89
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	2960 rpm
	3560 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613006PC			
CLASS I GROUP	C D X	**NO.**	
CLASS II GROUP	X X X		
OPERATING TEMP CODE	T3C		

NP2293L									
CAT.NO.	EM7310T-I			**SPEC NO.**	P36G4708			**FRAME**	364TS
HP	60//50	**PHASE**	3	**DESIGN**	B	**TYPE**	P		
RPM	3560//2960	**HZ**	60//50	**AMB**	40	**SF**	1.15		
VOLTS	230/460//190/380			**DUTY**	CONT			**INSUL.CLASS**	F
AMPS	135/67.3//137/68.3			**ENCL**	TEFC	**CODE**	F		
DRIVE END BEARING	65BC03JPP30A			**NEMA-NOM-EFFICIENCY**	93.6				
OPP D.E. BEARING	65BC03JPP30A								
SER.NO.			NEMA MG-1 PT 5, IP55						
	SUIT FOR 208V/147 AMPS, 55C AM				B @ 1.0SF			**MOTOR WEIGHT**	

611742-675-SH1

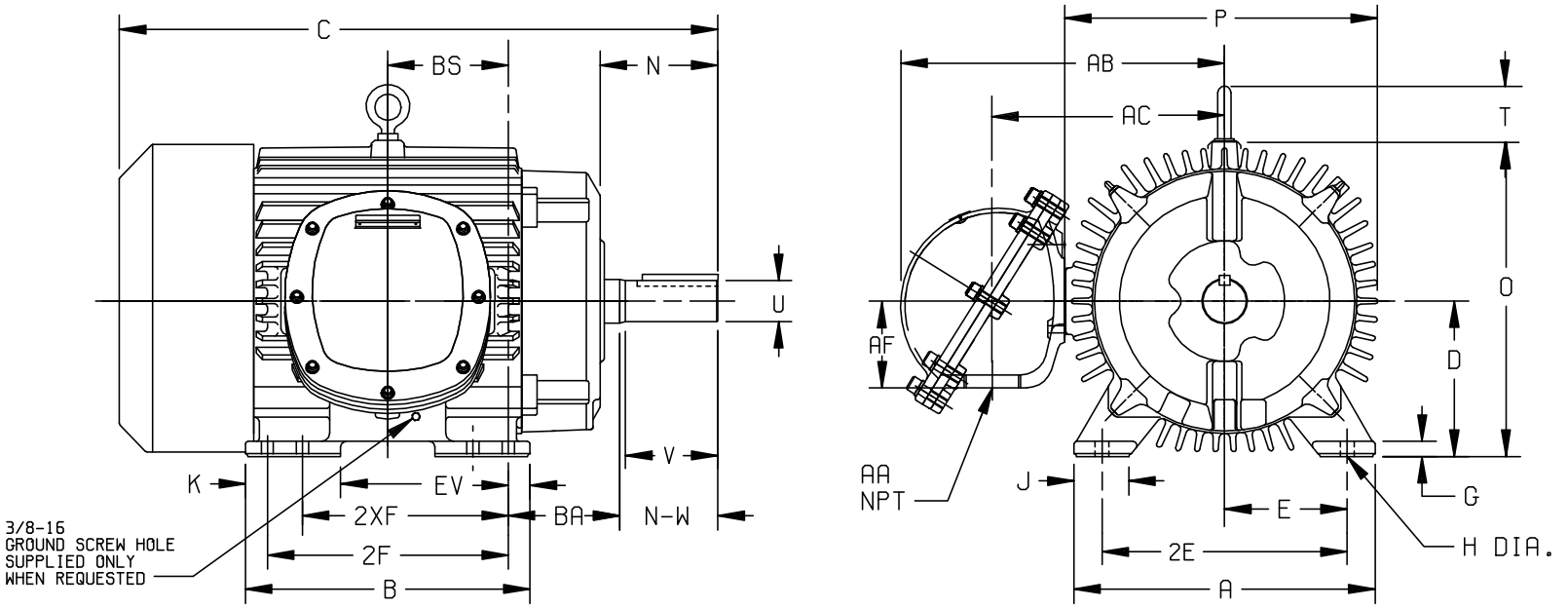
DUTY MASTER ALTERNATING CURRENT MOTORS

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	AB	AC	AF	BA	EV
E364T-365TS	17.00	9.00	7.00	.88	.69	2.75	4.00	19.11	20.25	2.94	3	20.88	15.17	5.40	5.88	1.38

FRAME SIZE	C	BS	B	2F	(3) 2XF	N	SHAFT AND KEY N-W(5)	U(2)	V	SQ.	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 FOR 360 FRAME STOCK XP MOTORS		
REV. LTR: -	VERSION: 00	TDR: 000000869122
FILE: \RAG\00020\724	REVISED: 10:25:23 08/28/2014	BY: RAGFBR
MTL: -		

BALDOR

DIM SHT FCXP FT E360T BOLTED ON C/B W/3"NPT GROUP C&D

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611742-675-SH1

611742-675-SH2

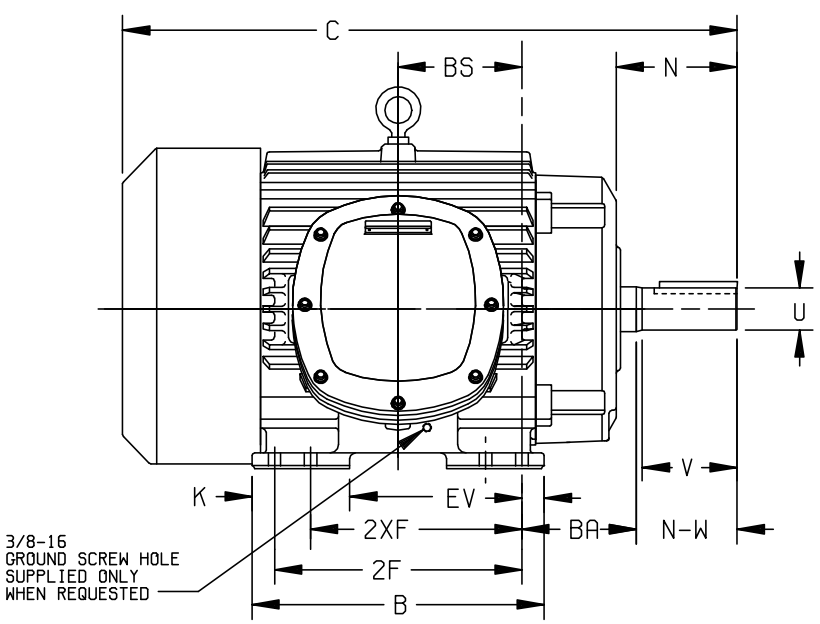
DUTY MASTER ALTERNATING CURRENT MOTORS

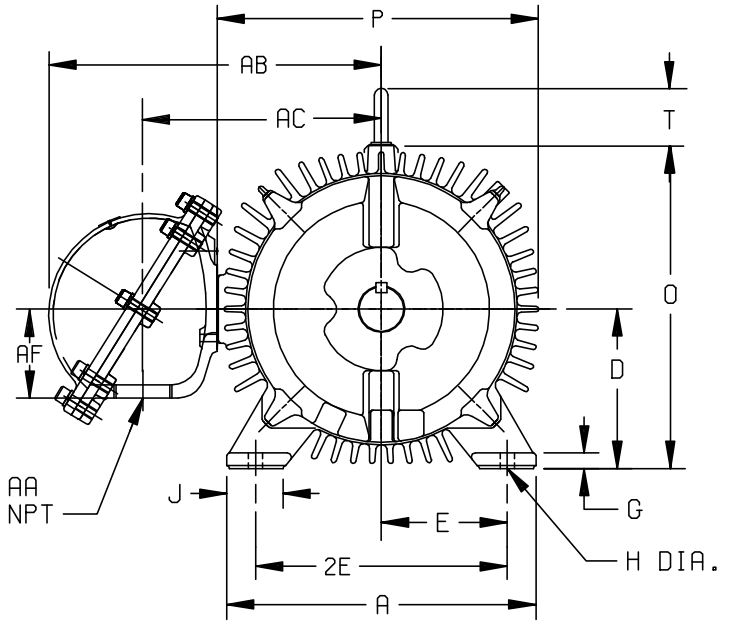
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ENCLOSURE: TOTALLY ENCLOSED
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COOLING: FAN COOLED
BOLTED ON CONDUIT BOX





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	431.8	228.6	177.8	22.4	17.5	69.9	101.6	469.9	514.4	74.7	76.2	530.4	385.3	137.2	149.4	35.1

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	849.4	155.4	381.0	---	285.7	152.4	149.4	60.33	142.7	15.88	108.0	412
E364TS	795.3	155.4	381.0	---	285.7	98.6	95.3	47.63	88.9	12.70	50.8	410
E365T	849.4	155.4	381.0	311.1	---	152.4	149.4	60.33	142.7	15.88	108.0	430
E365TS	795.3	155.4	381.0	311.1	---	98.6	95.3	47.63	88.9	12.70	50.8	428

(1) "D" VARIES +.0, -1.5.
(2) "U" VARIES +.00, -.03.
(3) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
(4) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
(5) "N-W" VARIES +.0, -6.4.

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 .08.

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

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REV. LTR: -	VERSION: 00	TDR: 000000869122
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BALDOR

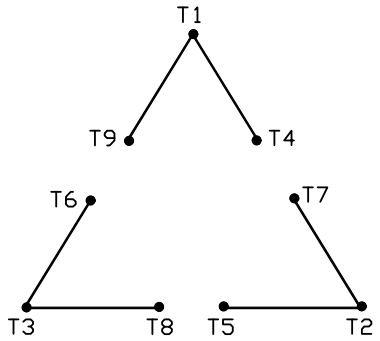
DIM SHT FCXP FT E360T BOLTED ON C/B W/3"NPT GROUP C&D

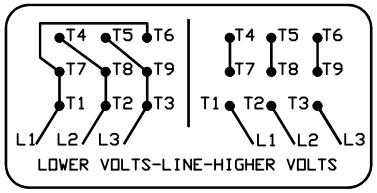
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611742-675-SH2

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

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416820-002