

BALDOR • RELIANCE

EM7084T

40//30HP, 1180//985RPM, 3PH, 60//50HZ, 364T



 Product Information Packet PDF

List Price 10,803.00 USD

Multiplier Symbol L1

Ship Weight 1,029 LB

UPC 781568549193

SPECS DRAWINGS NAMEPLATE PERFORMANCE PARTS

Output

30.000 hp @ 50 Hz
40.000 hp @ 60 Hz

High Voltage Full Load Amps

43.3 A

Phase

3

Insulation Class

F

Inverter Code

Inverter ready

Synchronous Speed	1,200 rpm	KVA Code	F
Frequency	50 Hz 60 Hz	Lifting Lugs	Std Lifting Lugs
Voltage	190 V @ 50 Hz 380 V @ 50 Hz 230 V @ 60 Hz 460 V @ 60 Hz	Motor Lead Quantity/Wire Size	3 @ 6 AWG
Enclosure	TEFC	Motor Standards	NEMA
Frame Material	Iron	Motor Type	A36064M
Frame	364T	Number of Poles	6
XP Class and Group	Class I, Group D; Class II, Group F & G	Overall Length	33.44 in
XP Division	Division I	Power Factor	84
Brand	Baldor-Reliance	Pulley End Bearing Type	Ball Bearing
Agency Approvals	CCSA US CSA CSA EEV UL	Pulley Face Code	Standard
Ambient Temperature	40 °C	Service Factor	1.00
Auxillary Box	No Auxillary Box	Shaft Ground Indicator	No Shaft Grounding
Base Indicator	RG	Shaft Rotation	Reversible
Bearing Grease Type	POLYREX EM (-20F +300F)	Shaft Slinger Indicator	No Slinger
Current	86.6 A @ 190 V 94.4 A @ 230 V 43.3 A @ 380 V 47.2 A @ 460 V	Speed	985 rpm 1,180 rpm
		Speed Code	Single Speed
		Starting Method	DOL
		Thermal Device - Bearing	None
		Thermal Device - Winding	Normally Closed Thermostat
		XP Temp Code	T3C

Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1%
Feedback Device	No feedback
Frame Prefix	X
Heater Indicator	No heater

CLASS I GROUP	D X X
CLASS II GROUP	F G X
OPERATING TEMP CODE	T3C
000613006PC	

CAT.NO.	EM7084T	SPEC NO.				P36G4702	FRAME		364T
HP	40//30	PHASE	3	DESIGN	B	TYPE	P		
RPM	1180//985	HZ	60//50	AMB	40	SF	1.00		
VOLTS	230/460//190/380			DUTY	CONT	INSUL.CLASS	F		
AMPS	94.4/47.2//86.6/43.3				ENCL	TEFC	CODE	F	
DRIVE END BEARING	65BC03JPP30A	NEMA-NOM-EFFICIENCY				94.1			
OPP D.E. BEARING	65BC03JPP30A								
SER.NO.		SUIT FOR 208V @ 105 AMPS							
							MOTOR WEIGHT	886	
NP2293L									

BALDORDR. BY W. L. SMITH
CK. BY J. J. HARRISON
APP. BY W. L. SMITH
DATE 08/27/10A-C MOTOR
PERFORMANCE A36WG0791-R001
DATA
ISSUE DATE 01/07/11REMARKS: TYPICAL DATA
NEMA PREMIUM - 94.1 PCT NOMINAL EFFICIENCYAMPERES SHOWN FOR 460. VOLT
CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE
AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

SPEED TORQUE						
LOCKED ROTOR	0	179	317	275		
PULL UP	420	143	253	247		
BREAKDOWN	1121	222	394	150		
FULL LOAD	1183	100	178	47.2		
LOAD	HP	AMPERES	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
NO LOAD	0	15.6	1200	4.71		0
1/4	10.0	19.1	1196	53.5		91.9
2/4	20.0	26.8	1192	74.0		94.4
3/4	30.0	36.4	1187	81.5		94.5
4/4	40.0	47.2	1183	84.3		94.1
5/4	50.0	59.2	1177	84.8		93.2
PERFORMANCE						
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)	491521 418141083BE --- --- .0460/.184	
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
94.4/47.2	CONT	40/F	1.00	B	F	XPFC
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	40	P	3/60	1180	230/460

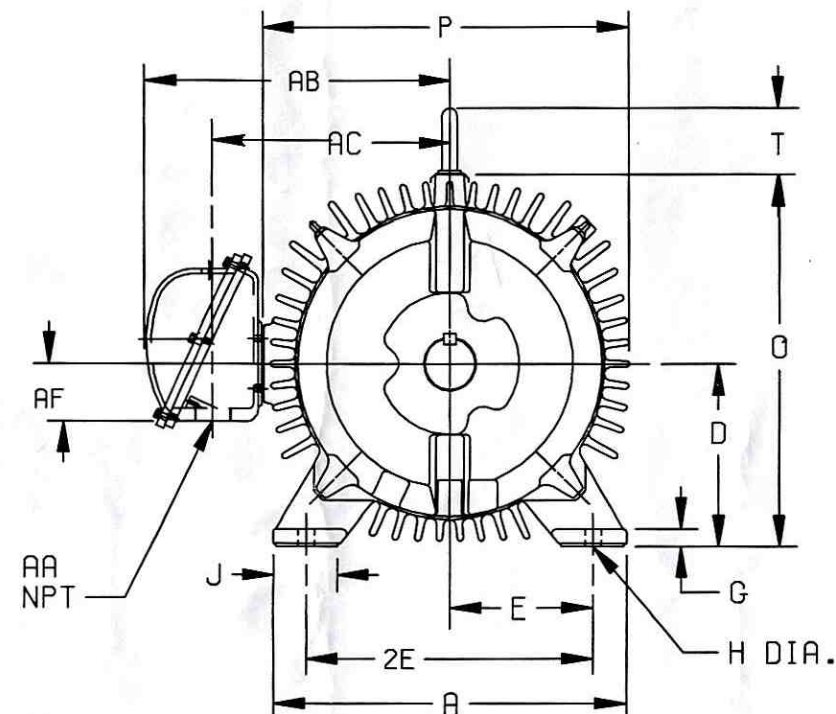
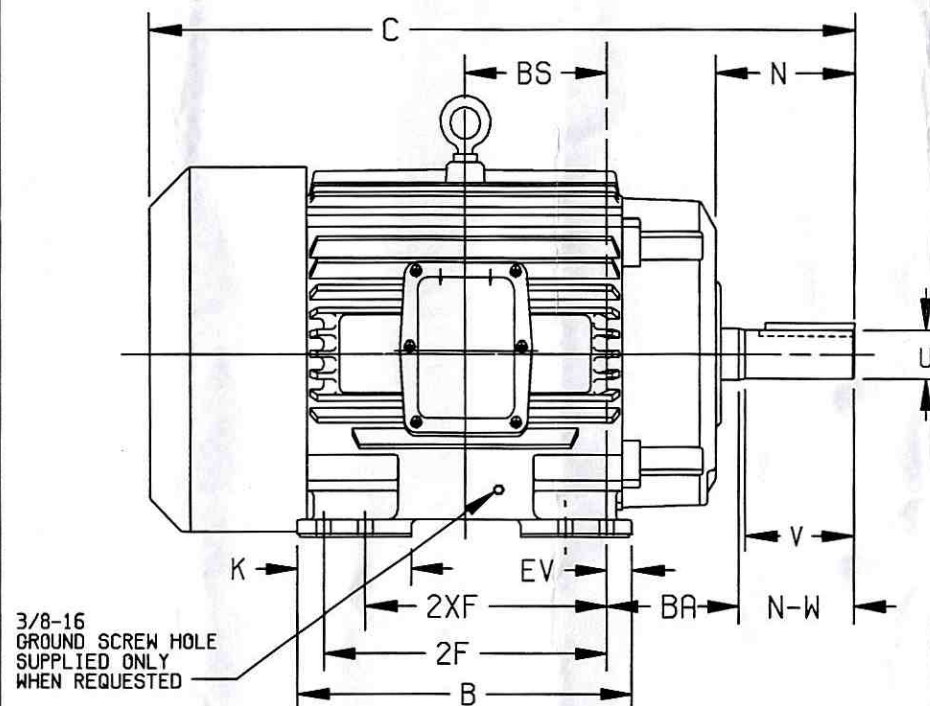
DUTY MASTER ALTERNATING CURRENT MOTORS

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				BA	EV
											AA	AB	AC	AF		
E364T-365TS	17.00	9.00	7.00	.88	.69	2.75	4.00	19.11	20.25	2.94	3	18.64	14.14	4.00	5.88	1.38

FRAME SIZE	C	BS	B	2F	(3) 2XF	N	SHAFT AND KEY					WEIGHT LBS. (4)
							N-W(5)	U(2)	V	SQ.	LGTH.	
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: 000000847474

FILE: \RAG\00020\287

REVISED: 09:43:20 04/08/2014

BY: RAGFBR

MTL: -

BALDOR

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

SH 1 of 1

611742-653-SH1