



Customer information packet

ECP64316TR-4

75HP, 1780RPM, 3PH, 60HZ, 365T, A36070M, TEFC

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	365T
Frame Material	Iron
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	75.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
XP Class and Group	CLI GP A,B,C,D
XP Division	Division II
Agency Approvals	CCSA US CSA EEV NEMA PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	15-60
Current @ Voltage	86.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	86.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	No Lifting Lugs

Part detail

Revision	X
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG3963
Layout	617428-022
Eff. date	02-08-2022
CD Diagram	416820-036
Poles	04
Leads	3#4
Proprietary	False
Created date	10-19-2010

Max Speed	2700 rpm
Motor Lead Quantity/Wire Size	3 @ 4 AWG
Motor Standards	None
Motor Type	A36070M
Mounting Arrangement	W6
Number of Poles	4
Overall Length	33.48 IN
Power Factor	86
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Phase Seq-Std Rot (CCWODE)
Shaft Slinger Indicator	No Slinger
Speed	1780 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
XP Temp Code	T3

Nameplate

NP4141														
CAT #	ECP64316TR-4					FR	365T		55					
SPEC	P36G3369					ENCL	TEFC		DES	B				
HZ	60	PH	3	CL	F	HP	75	SF	1.15	PF	86	%	CODE	G
VOLTS	460					AMPS	86							
RPM	1780		MAX RPM	2700		SER								
NEMA-NOM-EFF	95.4	%	RATING	40C AMB-CONT										
GUAR MIN. EFF	94.5	%	BRG DE	NU313		BRG ODE	6313							
CL I DIV 2 GRPS A,B,C,D						CL I ZONE 2 GRPS			IIA,IIB,IIC			TEMP T	200	C
CT HZ	15-60		VT HZ	0-60										
CHP HZ	60-90		INV TEMP CL	200		C								
								MTR WT	976		LBS			

NP4142

CAT #	ECP64316TR-4	ROTOR BARS	47
SPEC	P36G3369	STATOR SLOTS	60
SER		MAX CORR KVAR	16.0
GREASE	MOBIL SHC 220		
ABMA DE BRG	65RU03M30X	ODE	65BC03J30X

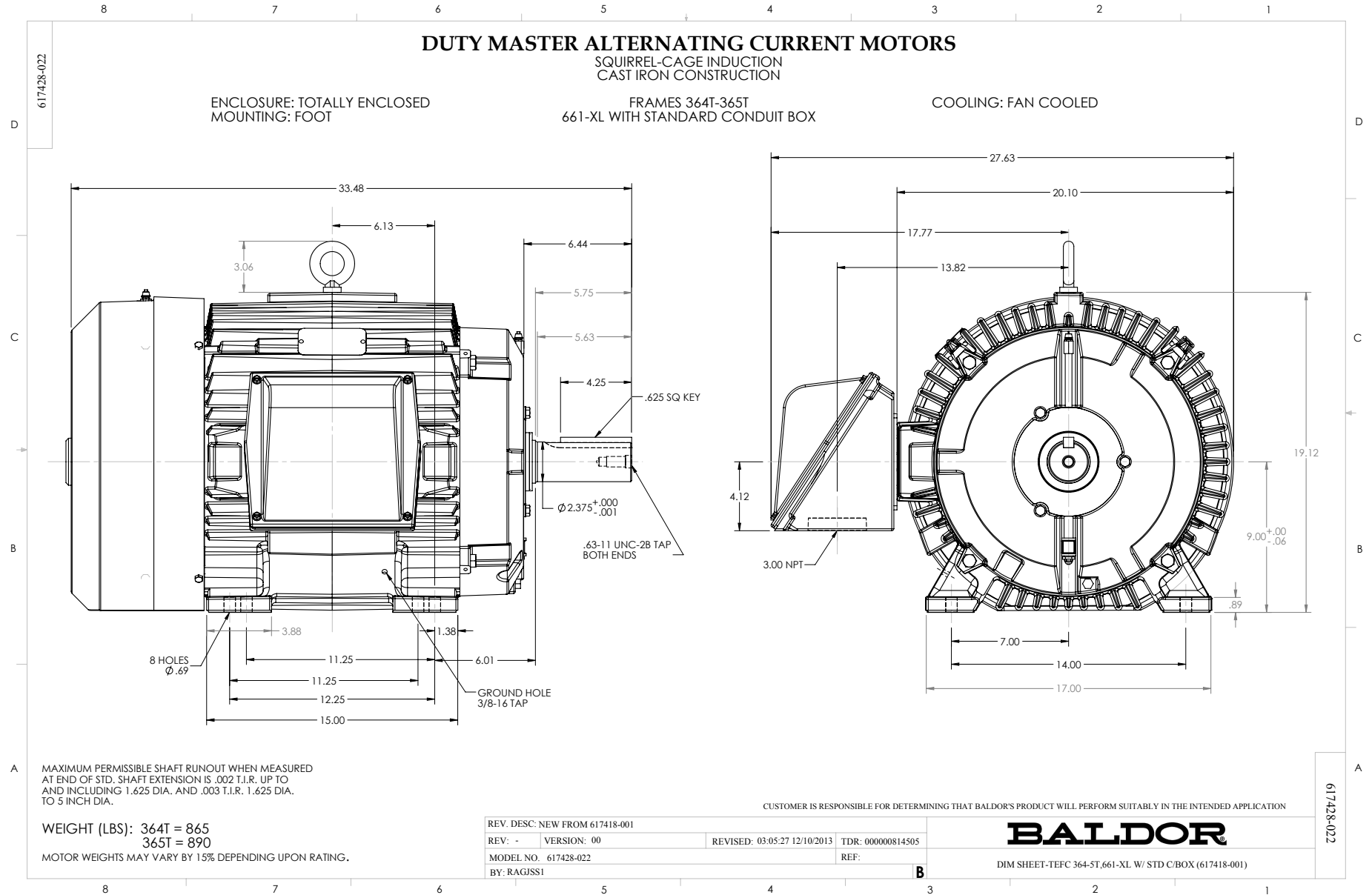
SPACE HEATER LEADS H1-H2:	TIE LIKE NUMBERS		TOGETHER	
MAX. SPACE HEATER TEMP.	C	V	A	W

Parts list

Part number	Description	Quantity
SA206469	SA P36G3369	1.000 ea
RA193736	RA P36G3369	1.000 ea
NP4141	SS SUPER E INVERTER DUTY IEEE 661 MAIN N	1.000 ea
NP4142	SS SUPER-E SD 661 CLI DIV2 UR CSA C US E	1.000 ea
000692000JP	N/P	1.000 ea
000692000RT	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
000692000VH	N/P (RELEASE 1000 PCS)	1.000 ea
004824015AP	GREASE MOBILITH SHC 220	0.544 lb
032018008AK	HHCS 1/4-20X1 PLATED	4.000 ea
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 ea
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 ea
034530032BB	P/NIP 1/4X4" SCHED 40	1.000 ea
034530052AB	P/NIP 1/8X6-1/2 Zinc	1.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
034630002AB	CPLG 1/4" PLATED	1.000 ea
034690001AB	1/8" NPT SQHDPLG	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
085922083BH	BRKT 360 085922072WCC KB	1.000 ea
415028079E	INPRO SEAL,,625 WIDE,313 BRG	1.000 ea
047174001Z	EXT SNAP RING	1.000 ea
078559034A	+F/C A 078559001A - 360	1.000 ea
412118006A	DRAIN	1.000 ea
415028079E	INPRO SEAL,,625 WIDE,313 BRG	1.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
423709011C	WASHER	3.000 ea
415096002A	CPLG 1/8 HEX TYPE	1.000 ea
423709011C	WASHER	3.000 ea
HW4600G56	DOME SLINGER, 7.875 OD X 2.370/2.300 ID	1.000 ea
415072001B	CLAMP	1.000 ea

702676001C	FAN 360	1.000 ea
032018012DK	HHCS 1/2-13X1-1/2 PLTD. 032018012DR	4.000 ea
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 ea
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 ea
034530032AB	P/NIP 1/8X4 PLATED	1.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
034630002AB	CPLG 1/4" PLATED	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
085922083BH	BRKT 360 085922072WCC KB	1.000 ea
032018010CK	HHCS 3/8-16X1-1/4 PLTD. 032018010CR	4.000 ea
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 ea
034000014AB	WSH ID.406 OD.812 TH.065	4.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
067053000B	GASK 320-400	1.000 ea
076708000BB	CONDUIT BOX-360	1.000 ea
076709000A	C/B Cover - 360	1.000 ea
406099000A	PLUG - FAN COVER 320-440	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
415039016A	TERBD, 360-400	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 ea
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 ea
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 ga
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 ga
482403003BEF	RUST VETO 342	0.013 ga
MG1500G03-5	LACQUER PRIMER, GRAY	0.063 ga
421948051	LABEL, MYLAR	1.000 ea
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 ea
604797015R	SHAFT BLOCK	1.000 ea
032018024EK	HHCS,ODE BRKT	1.000 ea
034001018AB	FLTWSHR,C/B BRACE	1.000 ea
034001020AB	3/4 STD W FL WASHER	1.000 ea

415070001A	RUBBER MOUNT 3X3X1 THICK	1.000 ea
LB1449	DIV-2/NEC WARNING LABEL	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea



416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682	REVISED: 11:54:06 04/30/2010	
MTL: -	BY: RAGRA	

BALDOR

CONN DIAG - STANDARD 3 LEAD
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