

**BALDOR • RELIANCE**

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# Customer information packet

## ECP4312T

50HP, 1185RPM, 3PH, 60HZ, 365T, A36062M, 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	50.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
XP Class and Group	CLIGP A,B,C,D
XP Division	Division II
Agency Approvals	CCSAUSEEV NEMA PREMIUM NEMA_PREMIUM UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	6-60
Current @ Voltage	61.700 A @ 460.0 V 135.000 A @ 208.0 V 123.000 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	61.7 a
Insulation Class	F

## Part detail

Revision	W
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A36WG0466
Layout	617428-034
Eff. date	02-16-2024
CD Diagram	416820-002
Poles	06
Leads	3#4,6#6
Proprietary	False
Created date	11-21-2011

<b>Inverter Code</b>	<b>Inverter Duty</b>
<b>KVA Code</b>	<b>F</b>
<b>Lifting Lugs</b>	<b>No Lifting Lugs</b>
<b>Max Speed</b>	<b>1800 rpm</b>
<b>Motor Lead Quantity/Wire Size</b>	<b>3 @ 4 AWG</b>
<b>Motor Standards</b>	<b>NEMA</b>
<b>Motor Type</b>	<b>A36062M</b>
<b>Mounting Arrangement</b>	<b>F1</b>
<b>Number of Poles</b>	<b>6</b>
<b>Overall Length</b>	<b>33.49 IN</b>
<b>Power Factor</b>	<b>81</b>
<b>Pulley End Bearing Type</b>	<b>Ball</b>
<b>Pulley Face Code</b>	<b>Standard</b>
<b>Service Factor</b>	<b>1.15</b>
<b>Shaft Diameter</b>	<b>2.375 IN</b>
<b>Shaft Ground Indicator</b>	<b>No Shaft Grounding</b>
<b>Shaft Rotation</b>	<b>Reversible</b>
<b>Shaft Slinger Indicator</b>	<b>Shaft Slinger</b>
<b>Speed</b>	<b>1185 rpm</b>
<b>Speed Code</b>	<b>Single Speed</b>
<b>Starting Method</b>	<b>Direct on line</b>
<b>Thermal Device - Bearing</b>	<b>None</b>
<b>Thermal Device - Winding</b>	<b>None</b>
<b>XP Temp Code</b>	<b>T3A</b>

**Nameplate**

**NP4033LUA**

<b>CAT #</b>	ECP4312T			<b>SER</b>				<b>CC</b>	010A				
<b>SPEC</b>	A36-1231-0466			<b>RATING</b>	40C AMB-CONT								
<b>HZ</b>	<b>VOLTS</b>		<b>AMPS</b>		<b>RPM</b>	<b>HP</b>	<b>CODE</b>	<b>-</b>	<b>SF</b>	<b>DES</b>	<b>PF</b>	<b>NEMA NOM. EFF</b>	
60	230/460		123/61.7		1185	50	F		1.15	B	81 %	94.1 %	
											%		%
<b>PH</b>	3	<b>CL</b>	F	<b>MAX RPM</b>	1800	<b>MAX CORR KVAR</b>	14	<b>USABLE AT 208V</b>			N/A	A	
<b>BRG</b>	<b>DE</b>	6313	<b>ODE</b>	6313	<b>ENCL</b>	TEFC	<b>FR</b>	365T	<b>IP</b>	55			
<b>GREASE</b>	POLYREX EM						<b>MTR WT</b>	879	<b>LBS</b>				
<b>CL I DIV 2 GRPS A,B,C,D</b>				<b>CL I ZONE 2 GRPS</b>				<b>IIA,IIB,IIC</b>			<b>TEMP T</b>	200	<b>C</b>
<b>INV READY</b>	<b>CT</b>	15-60	<b>HZ</b>	4:1	<b>VT</b>	3-60	<b>HZ</b>	20:1	<b>CHP</b>	60-90	<b>HZ</b>	1.5:1	
<b>INV TEMP CL</b>	200	<b>C</b>	<b>USABLE AT</b>	50HZ 40HP 190/380V 120/60A					SF1.0				

**Accessories**

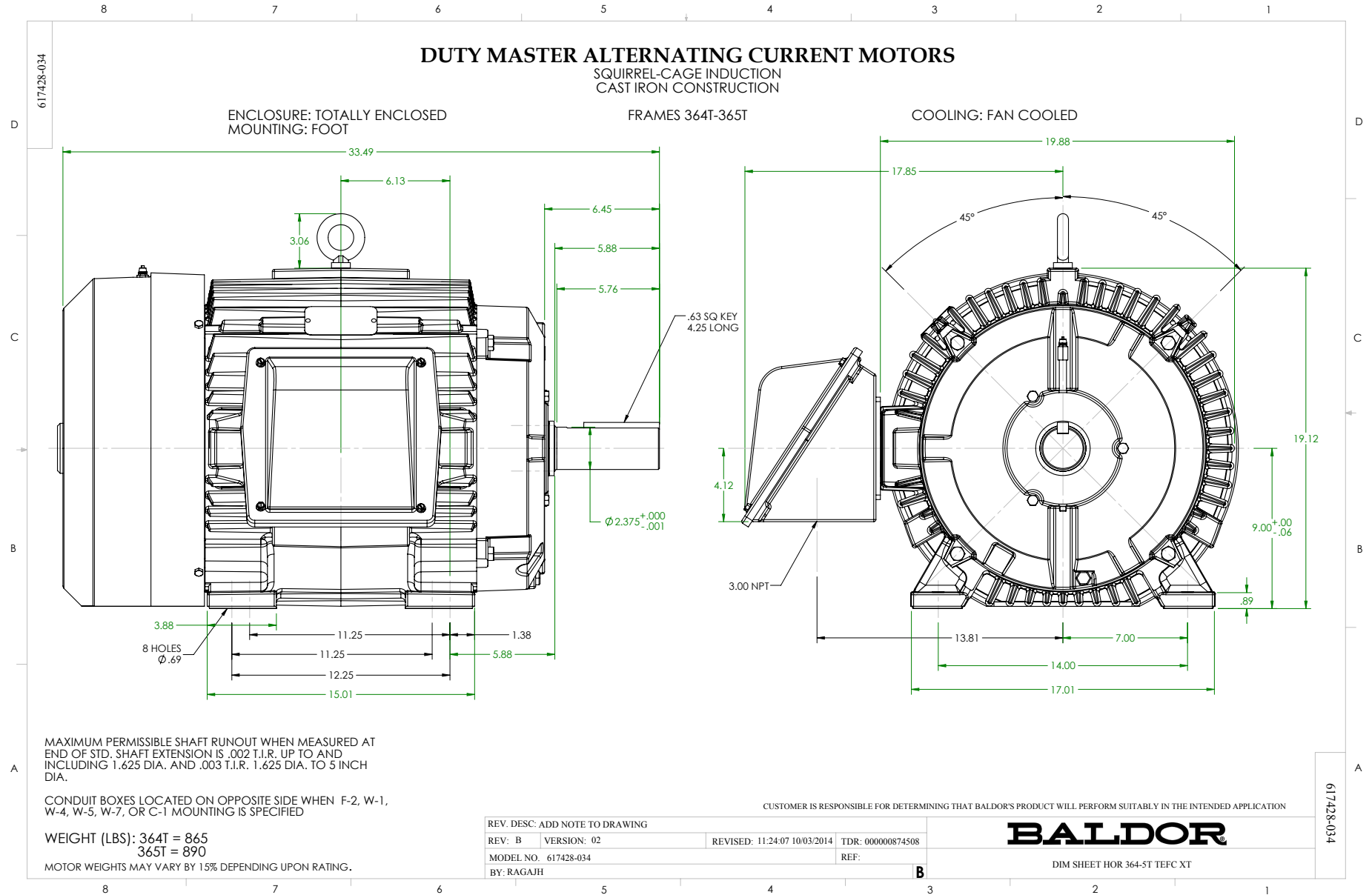
<b>Part number</b>	<b>Description</b>	<b>Multiplier</b>
K36G2	C-FACE KIT	A8





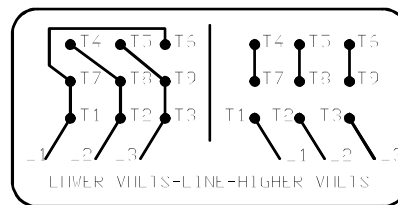
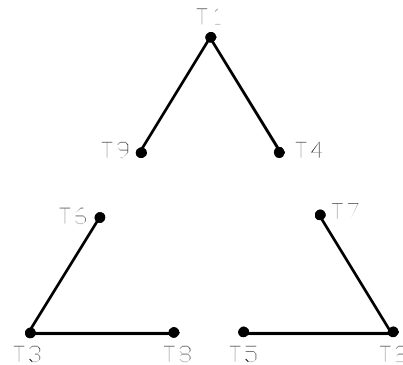






416820-002

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



LOWER VOLTS-LINE-HIGHER VOLTS

(N.P. 1575-B)

416820-002

REV. DESC: FONT CHANGE FOR PDF SEARCHABLE		
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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

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