

BALDOR • RELIANCE

Customer information packet

CEM4313T

75HP, 3555RPM, 3PH, 60HZ, 365TSC, A36068M, TEF

Class - None

Division - Not Applicable

Specifications

| | |
|-------------------------------|---|
| Enclosure | TEFC |
| Frame | 365TSC |
| Frame Material | Iron |
| Frequency | 60.00 Hz |
| Motor Letter Type | Three Phase |
| Output @ Frequency | 75.000 HP @ 60 HZ |
| Phase | 3 |
| Synchronous Speed @ Frequency | 3600 RPM @ 60 HZ |
| Voltage @ Frequency | 230.0 V @ 60 HZ 460.0 V @ 60 HZ |
| XP Class and Group | None |
| XP Division | Not Applicable |
| 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) |
| Current @ Voltage | 161.000 A @ 230.0 V 80.700 A @ 460.0 V |
| Design Code | B |
| Drip Cover | No Drip Cover |
| Duty Rating | CONT |
| Efficiency @ 100% Load | 93.6 % |
| Feedback Device | NO FEEDBACK |
| Heater Indicator | No Heater |
| High Voltage Full Load Amps | 80.7 a |
| Insulation Class | F |
| Inverter Code | Inverter Ready |
| KVA Code | F |

Part detail

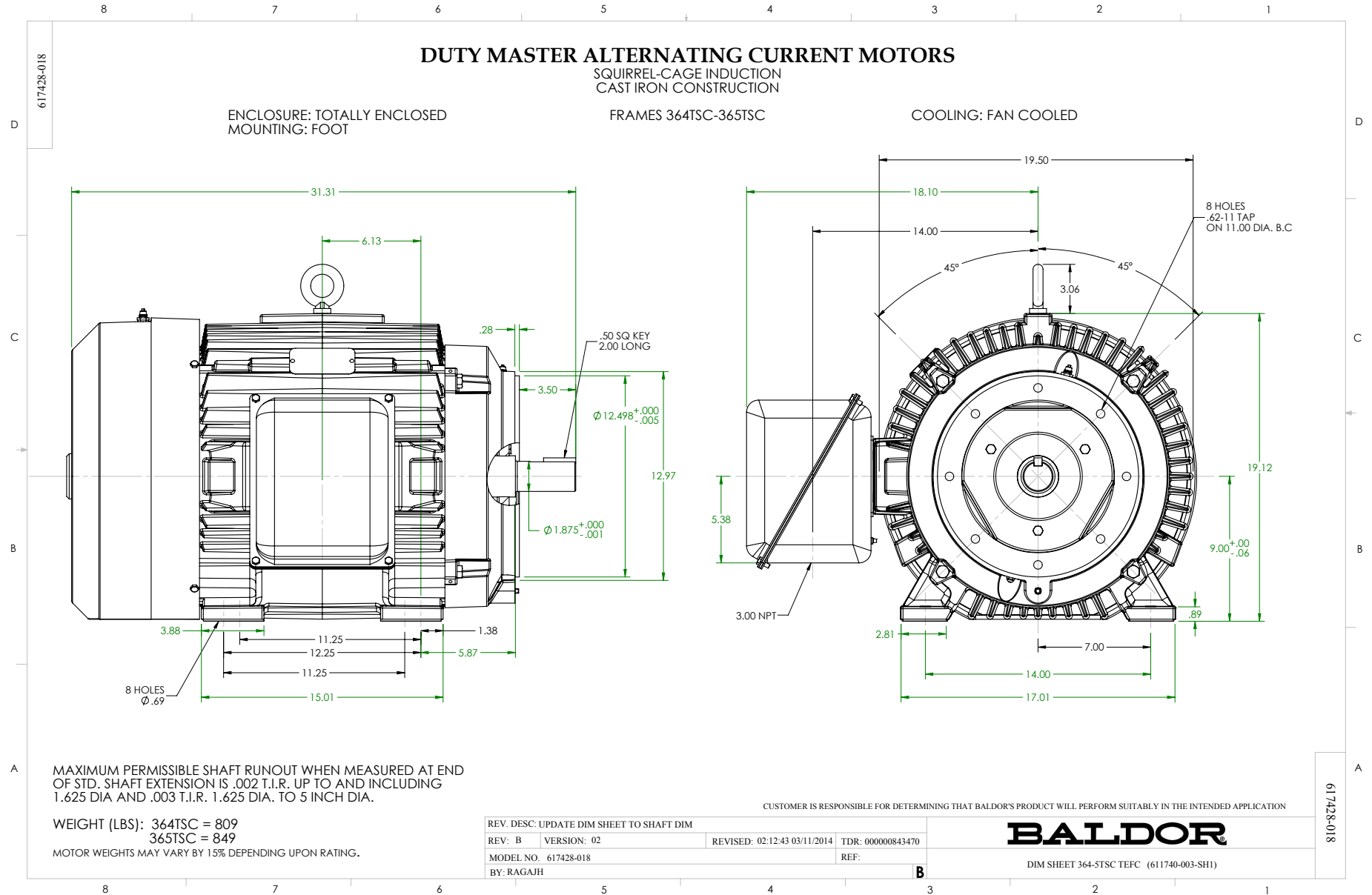
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|--------------|------------|
| Revision | R |
| Type | AC |
| Mech. spec. | |
| Base | |
| Status | PRD/A |
| Elec. spec. | A36WG0107 |
| Layout | 617428-018 |
| Eff. date | 07-21-2021 |
| CD Diagram | 416820-002 |
| Poles | 02 |
| Leads | 3#2,6#4 |
| Proprietary | False |
| Created date | 12-17-2010 |

| Lifting Lugs | Standard Lifting Lugs |
|--------------------------------------|------------------------------|
| Max Speed | 4500 rpm |
| Motor Lead Quantity/Wire Size | 3 @ 2 AWG |
| Motor Standards | NEMA |
| Motor Type | A36068M |
| Mounting Arrangement | F1 |
| Number of Poles | 2 |
| Overall Length | 31.31 IN |
| Power Factor | 92 |
| Product Family | Other |
| Pulley End Bearing Type | Ball |
| Pulley Face Code | No Endplate |
| Service Factor | 1.15 |
| Shaft Diameter | 1.875 IN |
| Shaft Ground Indicator | No Shaft Grounding |
| Shaft Rotation | Reversible |
| Shaft Slinger Indicator | No Slinger |
| Speed | 3555 rpm |
| Speed Code | Single Speed |
| Starting Method | Direct on line |
| Thermal Device - Bearing | None |
| Thermal Device - Winding | None |

Nameplate

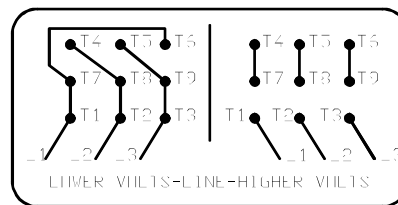
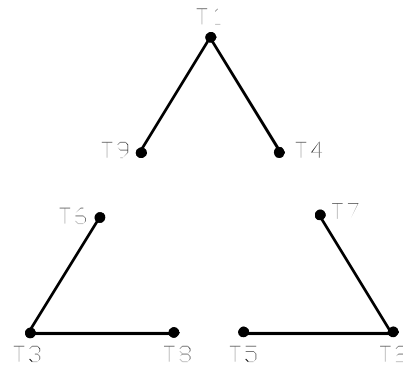
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|----------------------|----------------------------|-----------|---------------|----------------------|-------------|-----------------------|-------------|------------|------------|------------|-----------|----------------------|--------------------|
| CAT # | CEM4313T | | SER | | | CC | 010A | | | | | | |
| SPEC | P36G4677 | | RATING | 40C AMB-CONT | | | | | | | | | |
| HZ | VOLTS | | AMPS | | RPM | HP | CODE | - | SF | DES | PF | NEMA NOM. EFF | |
| 60 | 230/460 | | 161/80.7 | | 3555 | 75 | F | | 1.15 | B | 92 % | 93.6 % | |
| | - | | | | | | | | | | % | % | |
| PH | 3 | CL | F | MAX CORR KVAR | 5.00 | USABLE AT 208V | | N/A | A | | | | |
| BRG | DE | 6313 | ODE | 6313 | ENCL | TEFC | FR | 365TSC | | | 54 | | |
| GREASE | POLYREX EM | | | | | MTR WT | 974 | LBS | | | | | |
| USABLE AT | 50HZ 60HP 190/380V 156/78A | | | | | SF1.0 | | | | | | | |
| INVERTER DUTY | CT | 15-60 | HZ | 4:1 | VT | 3-60 | HZ | 20:1 | CHP | 60-75 | HZ | 1.25:1 | 1.0 SF VPWM |
| MAX RPM | 4500 | | | | | | | | | | | | |



416820-002

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



(N.P. 1575-B)

416820-002

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|---|------------------------------|-------------------|
| REV. DESC: FONT CHANGE FOR PDF SEARCHABLE | | |
| REV. LTR: A | VERSION: 01 | TDR: 000001009382 |
| FILE: \MGA\00000\661 | REVISED: 02:46:19 02/13/2020 | BY: MGHMTT |
| MTL: - | © □ | |

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CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED

SH 1 of 1