

PRODUCT INFORMATION PACKET

Model No: 184TTGN6575

Catalog No: C365A

Hazardous Duty® Explosion Proof Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 184TC Frame, EPFC



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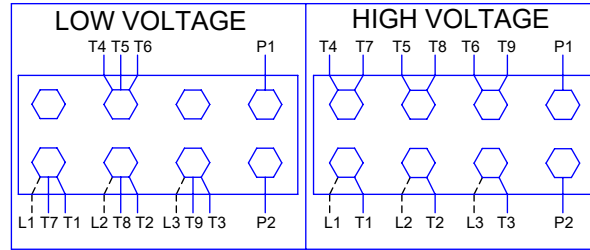
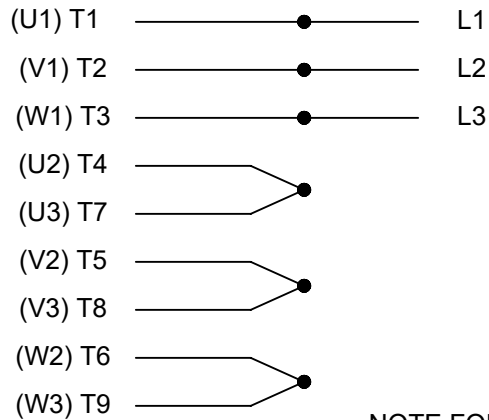
Nameplate Specifications

| | | | |
|------------------------|---|----------------------------|---|
| Phase | 3 | Output HP | 5 & 3 Hp |
| Output KW | 3.7 & 2.2 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1755 & 1465 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 184TC | Enclosure | Explosion Proof Fan cooled |
| Thermal Protection | Thermostat | Efficiency | 90.2 & 90.2 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 12.4/6.2 & 9.6/4.8 A | Power Factor | 83.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | J |
| Drive End Bearing Size | 6207 | Opp Drive End Bearing Size | 6206 |
| UL | UL Listed; also, UL Certified for Canada | CSA | N |
| CE | N | IP Code | 54 |
| Number of Speeds | 1 | Hazardous Location | EXP PROOF CL I GR D CL II GR F&G T3B |

Technical Specifications

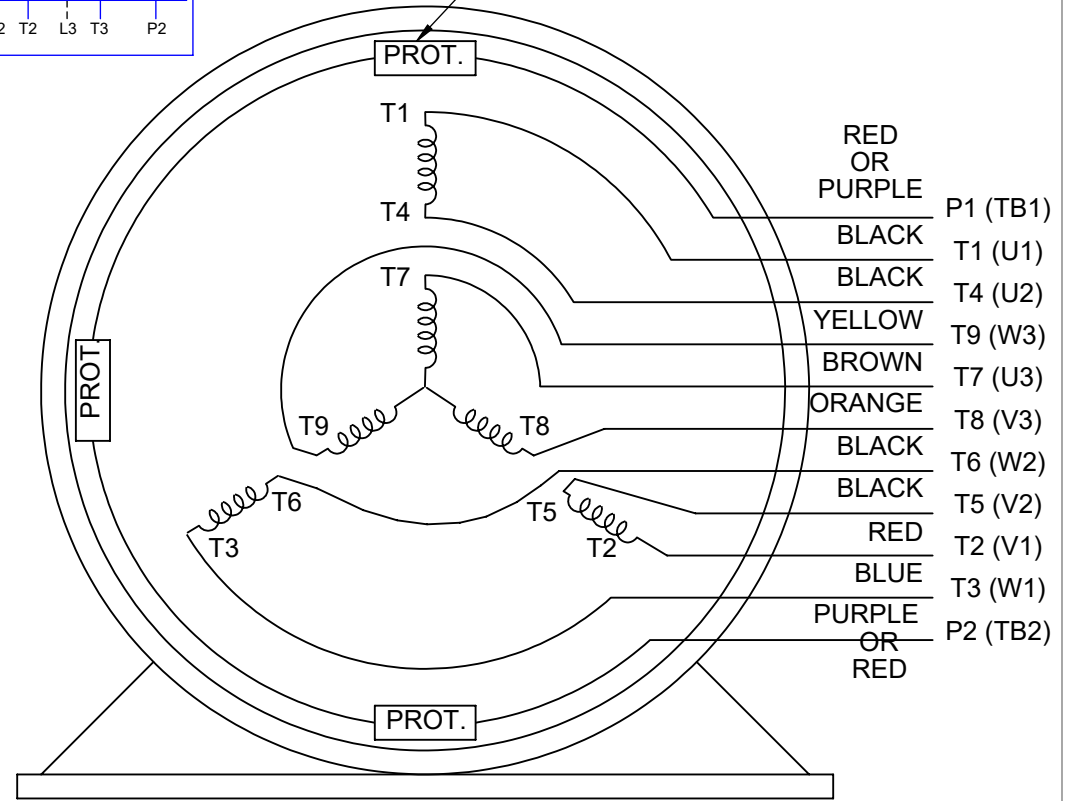
| | | | |
|-----------------------|-------------------------------------|-----------------------|-------------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 2.62 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Overall Length | 18.62 in |
| Frame Length | 10.00 in | Shaft Diameter | 1.125 in |
| Shaft Extension | 2.62 in | Assembly/Box Mounting | F1 ONLY |
| Inverter Load | CONSTANT 10:1 | | |
| Connection Drawing | A-EE7308T | Outline Drawing | 035673-1000 |

HIGH VOLTAGE



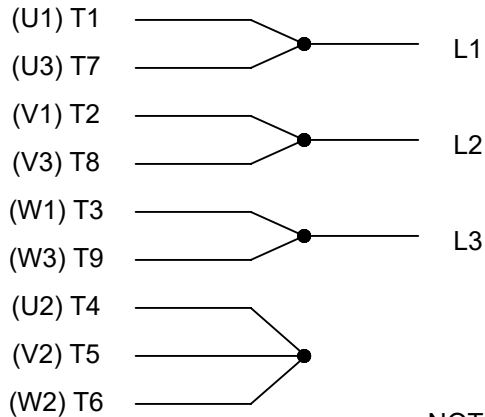
**THREE PHASE
DUAL VOLTAGE MOTOR**

THERMO-PROTECTORS
CONNECTED IN SERIES



NOTE FOR FACTORY USE ONLY:
TO SURGE TEST FOR COMMON CONNECT:
HIGH VOLT: CONNECT P1 TO T1
THEN P2 TO L1
LOW VOLT: CONNECT P1 TO T1 & T7,
THEN P2 TO L1

LOW VOLTAGE



VIEW OF TERMINAL END

NOTE: LEAD'S COLOR CAN BE YELLOW OR WHITE FOR MT2 PLANT

| | | | | | | |
|---|-------------------|--------------------|----------------------------|--------------------|----------------------------|---|
| DRAWING REVISION T | REVISION BY ZR | DATE 01-14-2019 | | DRAWN BY SMC | Regal Beloit America, Inc. | |
| ECO ECO-0159915 | APPROVED BY DR | DATE 01-15-2019 | | DATE 05-13-1992 | | |
| ECO DESCRIPTION ADDED TERMINAL CONNECTION DIAGRAM | | | | APPROVED BY TB | | DESCRIPTION CONN DIAGRAM-INTERNAL 3 PHASE - DUAL VOLTAGE MOTOR |
| <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small> | | | | DATE 05-13-1992 | | MATERIAL |
| | | | REFERENCE EE7308/EE7300 | SIZE A | DRAWING NUMBER EE7308T | SHEET 1 OF 1 |
| | | | THIRD ANGLE PROJECTION | | | |

** Subject to change without notice.

Data Sheet

Date: 15-06-2017
Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA



184TTGN6575

Submittal

Data @ **460 V**

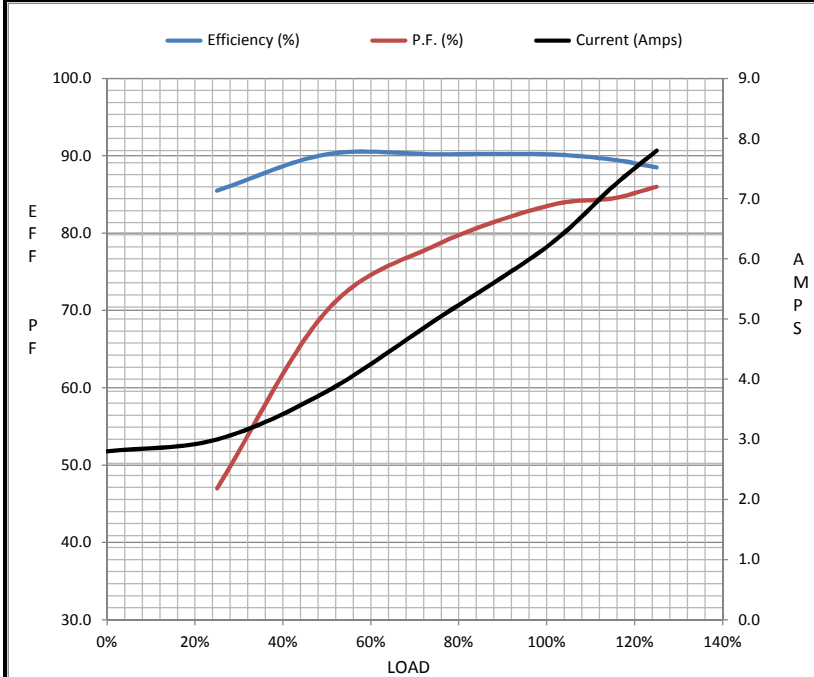
Motor Load Data

| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|-------|------|------|
| Current (Amps) | 2.80 | 3.0 | 3.8 | 5.0 | 6.2 | 7.2 | 7.8 | 46.0 |
| Torque (ft-lb) | 0.00 | 3.7 | 7.4 | 11.5 | 15.0 | 17.5 | 19.0 | 34.5 |
| RPM | 1800 | 1790 | 1780 | 1765 | 1755 | 1,745 | 1740 | 0 |
| Efficiency (%) | | 85.5 | 90.2 | 90.2 | 90.2 | 89.5 | 88.5 | |
| P.F. (%) | 6.5 | 47.0 | 70.0 | 78.5 | 83.5 | 84.5 | 86.0 | 48.0 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM) | 0 | 900 | 1600 | 1755 | 1800 |
| Current (Amps) | 46.0 | 41.0 | 25.0 | 6.2 | 2.80 |
| Torque (ft-lb) | 34.5 | 31.0 | 45.0 | 15.0 | 0.00 |

| Information Block | | | | |
|-----------------------------|-------------------------|--------|--------|----------|
| HP | 5.0 | | | |
| Sync. RPM | 1800 | | | |
| Frame | 184 | | | |
| Enclosure | TEFC | | | |
| Construction | TFN | | | |
| Voltage | 230/460#190/38(V) | | | |
| Frequency | 60 Hz | | | |
| Design | B | | | |
| LR Code letter | J | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 50 ° C | | | |
| Duty | CONT | | | |
| Ambient | 40 ° C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk ² | 0.50 Lb-Ft ² | | | |
| Ref Wdg | K1844215 NONE | | | |
| Sound Pressure @ 1M | 62 dBA | | | |
| VFD Rating | CONSTANT 10:1 | | | |
| Outline Dwg | 035673-1000 | | | |
| Conn. Diag | A-EE7308T | | | |
| Additional Specifications: | | | | |
| 0 | | | | |
| 365THFS8036 | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 1.5080 | 1.1280 | 3.6910 | 5.6930 | 104.3280 |



Speed - Torque Curve

