

PRODUCT INFORMATION PACKET

Model No: 132STFC6502

Catalog No: R330A

10 HP General Purpose, 3 phase, 3600 RPM, 230/460 V, 132S Frame, TEFC
Cast Iron TEFC Motors





Nameplate Specifications

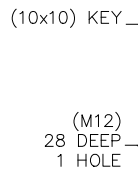
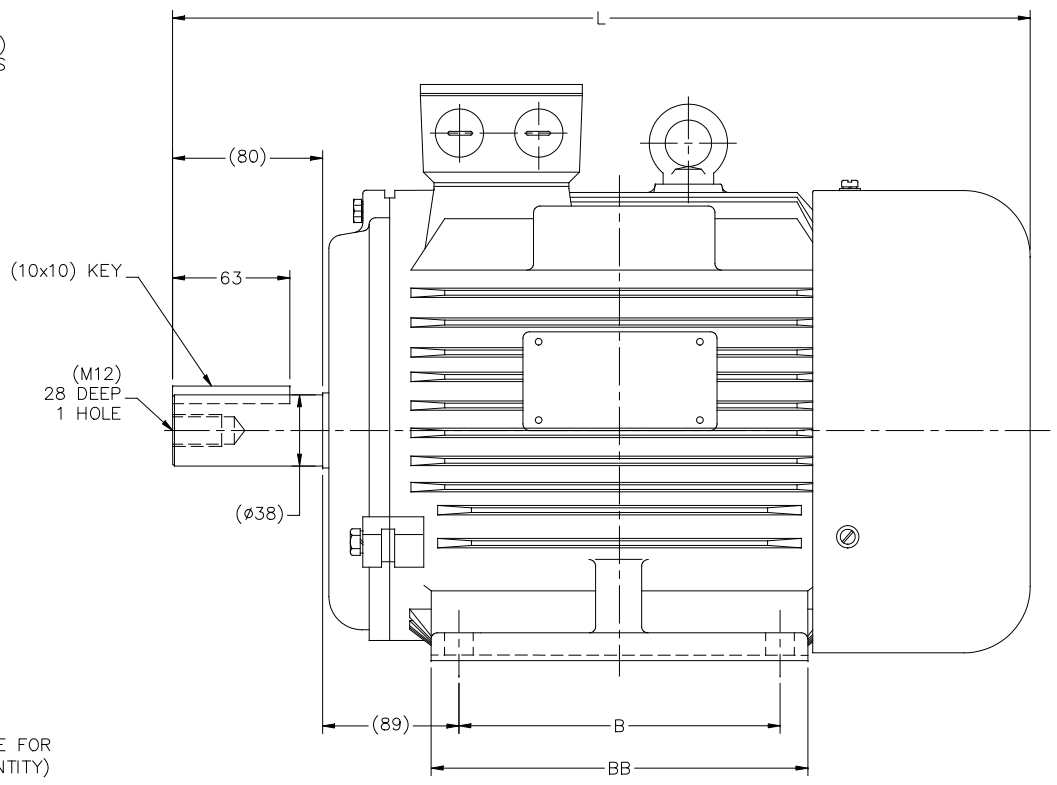
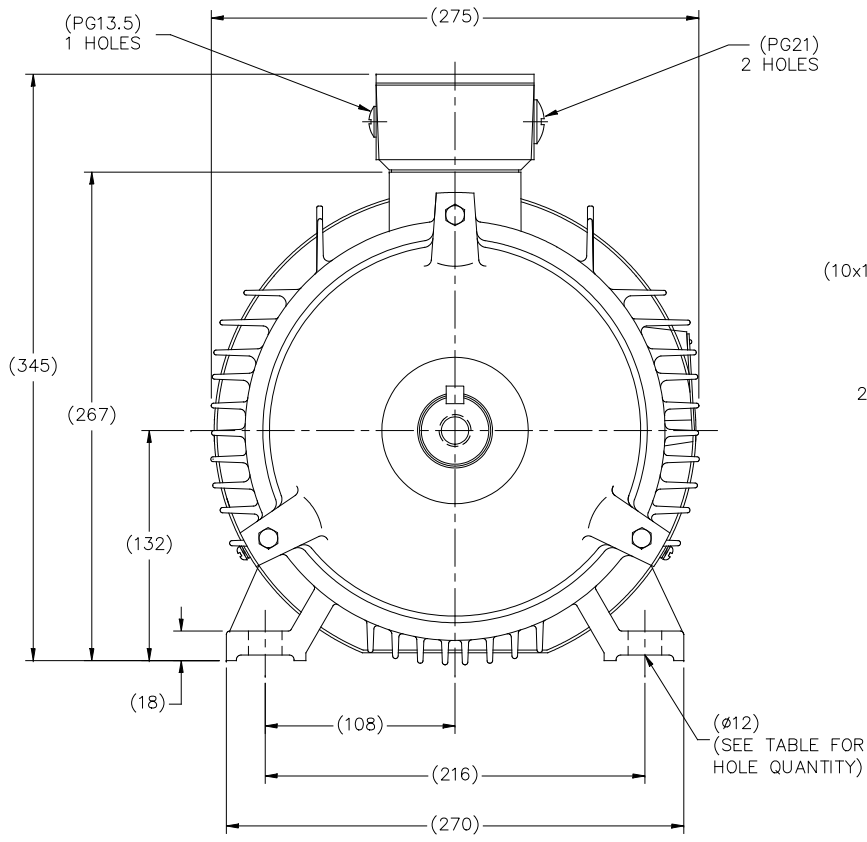
| | | | |
|------------------------|--------------------|----------------------------|------------------------------------|
| Output HP | 10 Hp | Output KW | 7.5 kW |
| Frequency | 60 Hz | Voltage | 230/460 V |
| Current | 24.0/12.0 A | Speed | 3535 rpm |
| Service Factor | 1.15 | Phase | 3 |
| Efficiency | 90.2 % | Power Factor | 86.5 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Frame | 132S | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No | Ambient Temperature | 40 °C |
| Drive End Bearing Size | 6208 | Opp Drive End Bearing Size | 6207 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 55 |

Technical Specifications

| | | | |
|-----------------------|-------------------------------------|--------------------|--|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Wye Start Delta Run Or Inverter |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | .5505 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | IEC | Overall Length | 18.26 in |
| Shaft Diameter | 1.500 in | Shaft Extension | 3.14 in |
| Assembly/Box Mounting | F3 | | |
| Outline Drawing | SS622237 | Connection Drawing | 004172.03 |

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SS622237



(DRAWING NOT TO SCALE)

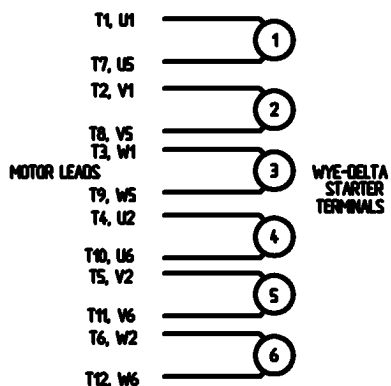
(DIMENSIONS ARE IN MILLIMETERS)

| | | | | |
|--------|---------|-----|-----|-----|
| DF132S | 4 | 461 | 140 | 186 |
| DF132M | 4 | 499 | 178 | 224 |
| FRAME | # HOLES | L | B | BB |

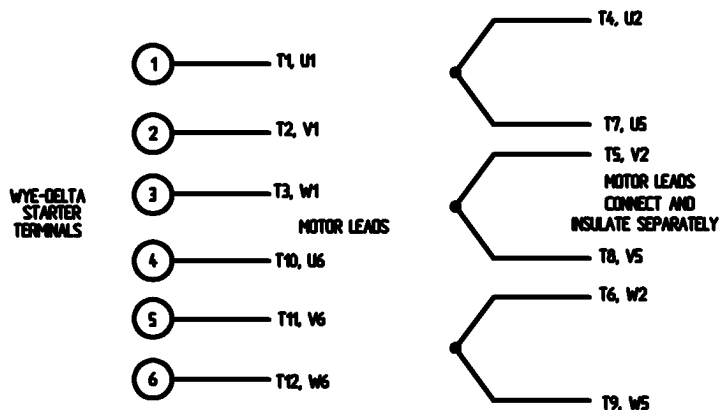
| | | TOLERANCES UNLESS SPECIFIED | | REGAL™ Regal Beloit America, Inc. | DRAWN MSG 11-16-2010 | |
|--|---|-----------------------------|----------------|--|----------------------|----------------|
| | | DEC. | METRIC | | CHK | MJS 11-18-2010 |
| 4 | TABLE AND DIMENSIONS UPDATED | NK 07-05-18 | NK .X ±2.5 | TITLE OUTLINE - IEC PREMIUM DF132-R FRAME | APPD | SB 11-18-2010 |
| 3 | (4) FOOT HOLES WERE (6) ECO-0130304 | WGJ 10-2-17 | EMH .XX ±.76 | | SCALE | NONE |
| 2 | REV CAT# FROM BLOCK-FOR CAT# SEE SS622237-CAT | MOL 11-29-12 | .XXX ±.127 | | REF | |
| 1 | REV PG13.5 HOLES WERE 2 QTY | MOL 09-24-12 | .XXX ±.0127 | | FMF | HEBEL |
| NO. | REVISION | BY & DATE | CHK ANG ±7'30" | | FINISH | PREV |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT | | | | RFP 11-18-2010 | CAD FILE SS622237 | SIZE B |
| | | | | DIST | DRAWING NO. SS622237 | PAGE OF |
| | | | | | | REV. H |

WYE - DELTA STARTING USEABLE ON 2,4 AND 6 POLE MOTORS.

LOW VOLTAGE CONNECTION

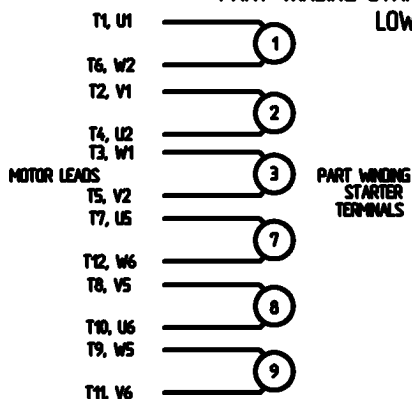


HIGH VOLTAGE CONNECTION



REFER TO THE WYE-DELTA STARTER CONNECTION INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

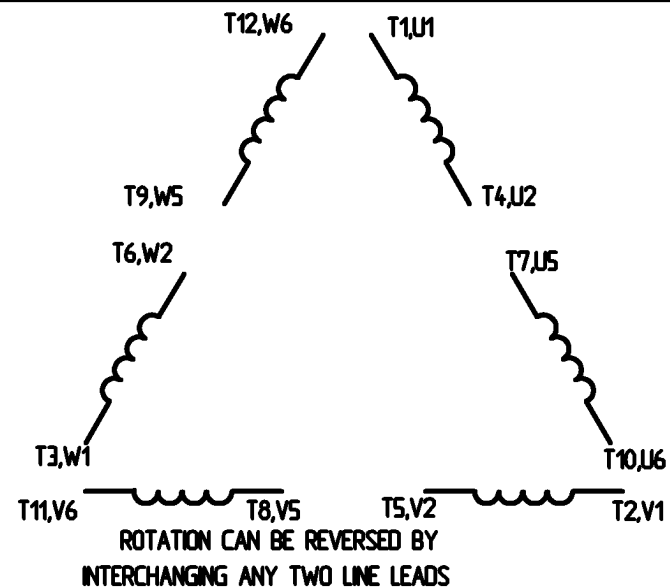
PART WINDING START USABLE ON 4 & 6 POLE MOTORS
LOW VOLTAGE CONNECTION ONLY



REFER TO THE PART WINDING STARTER INSTRUCTIONS FOR PROPER CONNECTION OF POWER LINES TO STARTER.

REFER TO THE CUTLER - HAMMER OR EQUIV. FOR PROPER SELECTION OF OVERLOAD HEATER COILS.

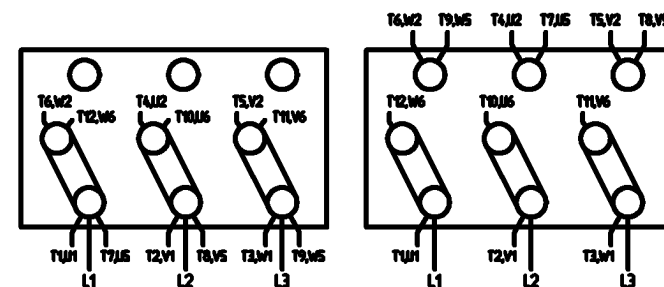
LINE LEADS




12 LEAD DELTA CONNECTION ACROSS THE LINE START
(FOR Y START DELTA RUN, REMOVE THE JUMPERS)

LOW VOLTAGE
MUST BE REWIRED
AS SHOWN

HIGH VOLTAGE
FACTORY WIRED FOR HIGH
VOLTAGE AS SHOWN



| | | | | | | | |
|---|----------|-----------|-----|-----------------------------|----------|--|---|
| | | | | TOLERANCES UNLESS SPECIFIED | |  ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN CW 08/28/02 CHK APPD SCALE 1:1 REF FMF PREV |
| | | | | DEC. | INCHES | | TITLE DELTA - WYE CONNECTION DIAGRAM IEC CAST IRON MOTORS |
| | | | | X | + 1 | | |
| | | | | XX | + .01 | | |
| | | | | XXX | + .005 | | |
| | | | | XXXX | + .0005 | MAT'L | |
| NO. | REVISION | BY & DATE | CHK | ANG | + 1/2° | FINISH | PREV |
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| | | | | DST | | | DRAWING NO. 004172-03 |
| | | | | | | | REV. |

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ERROR: syntaxerror  
OFFENDING COMMAND: --nostringval--
```

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STACK:
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```
/CB  
-dictionary-  
/Pscript_WinNT_Compact  
-dictionary-
```



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____
 ORDER #: 004172.03
 CONN. DIAGRAM: SS622237
 WINDING: T10702024 NONE 3
 SPEED: _____

CUSTOMER P.O. #: _____
 REFERENCE MODEL #: 132STOC6802
 CAT #: R330A
 CUSTOMER PART #: _____
 MOUNTING: F3

TYPICAL MOTOR PERFORMANCE DATA

| | | | | | | | | | |
|----|-------------|-----------------|-------------|----------------------|-----------------|-------------|-----------|--------|-------------------|
| HP | KW | SYNC RPM | FL RPM | FRAME | ENCLOSURE | TYPE | KVA CODE | DESIGN | |
| 10 | 7.5 | 3600 | 3535 | 132S | TEFC | TFC | H | N | |
| PH | HZ | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB | ELEV. |
| 3 | 60/50 | 230/460#200/400 | 24/12&22/11 | Y START D RUN OR INV | CONT | F | 1.15 | 40 | 3300 |
| | F.L. EFF | 90.2 | 3/4 LD EFF | 90.2 | 1/2 LD EFF | 89.5 | GTD EFF | | ELECT. TYPE |
| | F.L. PF | 86.5 | 3/4 LD PF | 83.5 | 1/2 LD PF | 76.0 | 89.5 | | SQ CAGE INV RATED |
| | F.L. TORQUE | LR AMPS @ 460 V | LR TORQUE | BD. TORQUE | F.L. RISE (° C) | | | | |
| | 14.9 LB-FT | 86.0 | 31.0 LB-FT | 208% | 46.0 LB-FT | 309% | 42 | | |
| | @ 3 FT. | POWER | ROTOR WK² | MAX. LOAD WK² | SAFE STALL TIME | STARTS/HOUR | MOTOR WGT | | |
| | 66 DBA | 75 DBA | 0.00 LB-FT² | 0 LB-FT² | 20 SEC. | 2 | 175 LB. | | |

*** SUPPLEMENTAL INFORMATION ***

| | | | | | | | | |
|------------------|------------------|--------------|-------------------|--------------|------------------------|----------------|---------|---------------|
| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | MOTOR ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
| STANDARD | STANDARD | RIGID | HORIZONTAL | UM SEVERE | NONE | NO | NONE | BLUE (ENAMEL) |
| BEARINGS | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL | | |
| DE ODE BALL 6208 | POL YREX EM 6207 | STANDARD IEC | NONE | NONE | 1045 HOT ROLLED (C-204 | CAST IRON | | |
| THERMOSTATS | PROTECTORS | WDG RTD's | BRG RTD's | THERMISTORS | CONTROL | SPACE HEATERS | | |
| NONE | NOT | NONE | NONE | NONE | FALSE | NA | | |
| R1 (ohms/ph) | R2 (ohms/ph) | X1 (ohms/ph) | X2 (ohms/ph) | Xm (ohms/ph) | VIBRATION (in/sec) | FLOAT ODE | | |
| 0 | 0 | 0 | 0 | 0 | 0.080 | | | |

| | | |
|----------|--|--|
| * _____ | | INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED ENCODER: NONE BRAKE: NONE FT-LB: NA VOLTAGE: NONE HZ: _____ |
| NO _____ | | |
| OT _____ | | |
| ES _____ | | |
| S* _____ | | |

PREPARED BY: EARL BABBITTS
 DATE: 13-07-17
 FORM: 3531 REV. 4 2/27/06
 UL: V-INS, CONST UL REC



Submittal
Data @ 460 V

Date: 6/19/2017

Customer: _____
Attention: _____
Submitted by: FAREEDA DUDEKULA

Motor Load Data

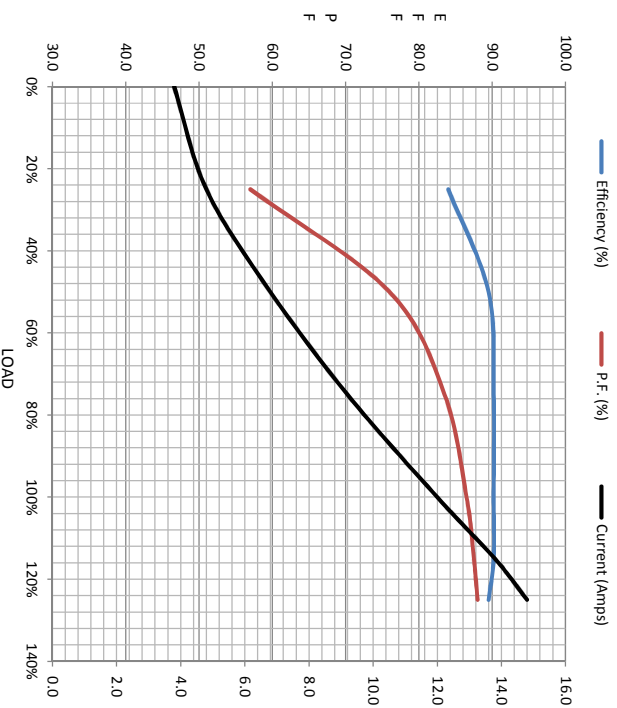
| Load | 0% | 25% | 50% | 75% | 100% | 115% | 125% | LR |
|----------------|------|------|------|------|------|------|------|------|
| Current (Amps) | 3.8 | 4.8 | 6.8 | 9.2 | 12.0 | 13.8 | 14.8 | 86.0 |
| Torque (ft-lb) | 0.00 | 3.7 | 7.4 | 11.1 | 14.9 | 17.2 | 18.7 | 31.0 |
| RPM | 3600 | 3585 | 3568 | 3552 | 3535 | 3525 | 3515 | 0 |
| Efficiency (%) | | 84.0 | 89.5 | 90.2 | 90.2 | 89.5 | 89.5 | |
| P.F. (%) | 10.0 | 57.0 | 76.0 | 83.5 | 86.5 | 87.5 | 88.0 | 43.0 |

Motor Speed Data

| | LR | Pull-Up | BD | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (rpm) | 0 | 1800 | 3100 | 3535 | 3600 |
| Current (Amps) | 86.0 | 82.0 | 51.5 | 12.0 | 3.8 |
| Torque (ft-lb) | 31.0 | 27.0 | 46.0 | 14.9 | 0.00 |

Information Block

| | | | | |
|-----------------------------|-----------------|---------|---------|---------|
| HP | 10.0 | | | |
| Sync. RPM | 3600 | | | |
| Frame | 132 | | | |
| Enclosure | TEFC | | | |
| Construction | TFC | | | |
| Voltage | 30/460#200/40 V | | | |
| Frequency | 60 Hz | | | |
| Design | A | | | |
| LR Code letter | H | | | |
| Service Factor | 1.15 | | | |
| Temp Rise @ FL | 42 °C | | | |
| Duty | CONT | | | |
| Ambient | 40 °C | | | |
| Elevation | 1,000 feet | | | |
| Rotor/Shaft wk ^e | 0.00 Lb-Fe | | | |
| Rel Wdg | T10702024 NONE | | | |
| Sound Pressure @ 1M | 66 dBA | | | |
| VFD Rating | CONSTANT 20:1 | | | |
| Outline Dwg | SS622237 | | | |
| Conn. Diag | 004172.03 | | | |
| Additional Specifications: | | | | |
| | | | | |
| EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.00000 | 0.00000 | 0.00000 | 0.00000 | 0.00000 |



Speed -Torque Curve

