

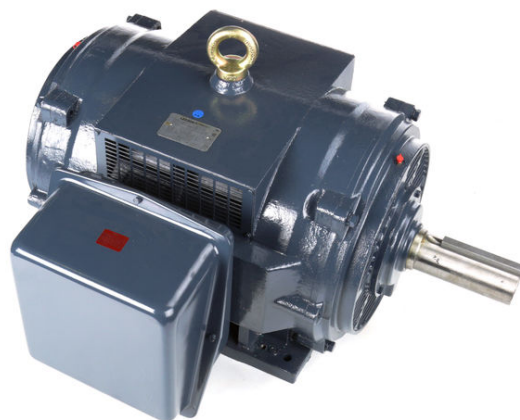
PRODUCT INFORMATION PACKET



Model No: 199729.00

Catalog No: 199729.00

Obsolete Replaced by B199729.00..150HP..1800RPM.444T.ODP.460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....G
EN PURPOSE.....



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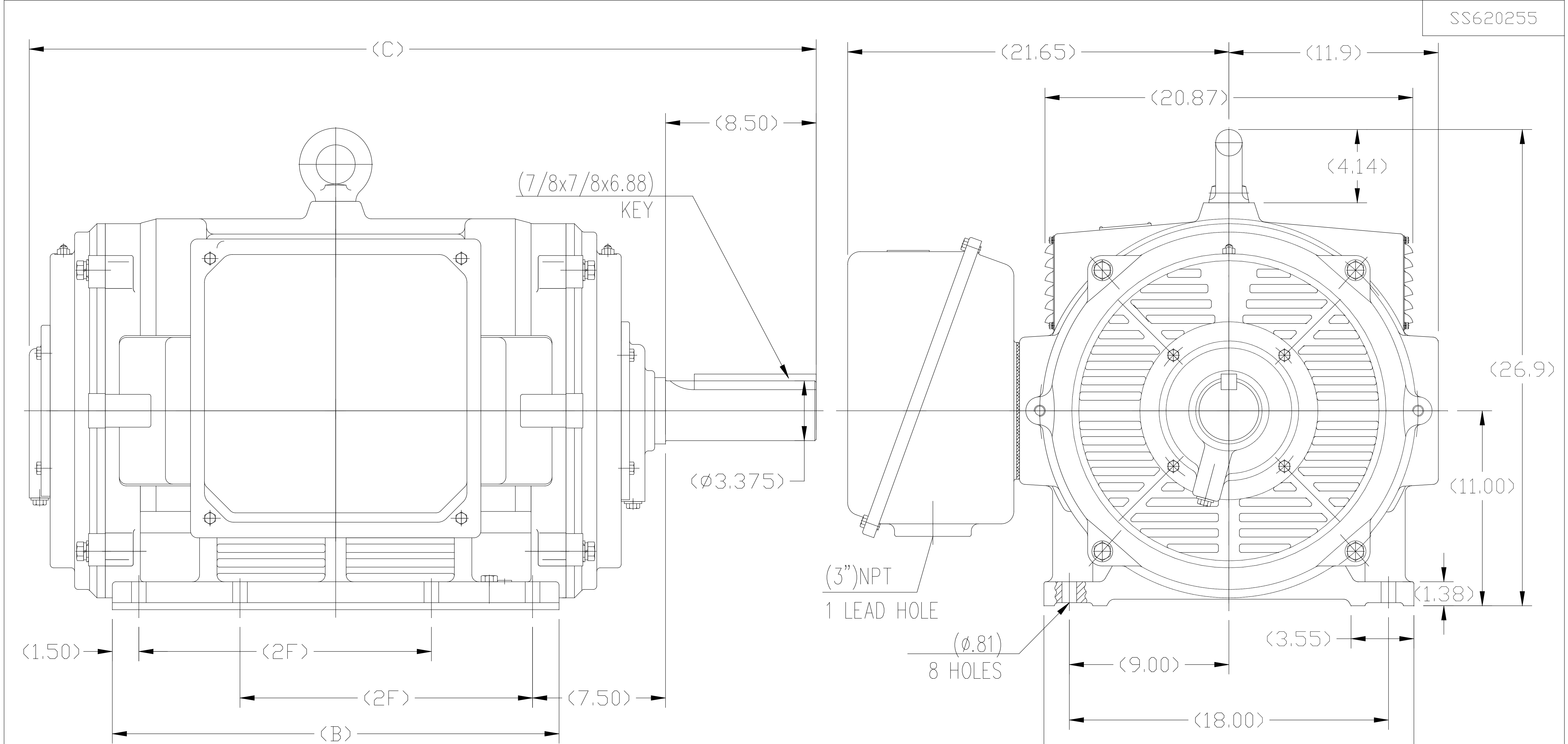
Nameplate Specifications

| | | | |
|------------------------|-----------------|----------------------------|---------------|
| Phase | 3 | Output HP | 150 & 125 Hp |
| Output KW | 112.0 & 93.0 kW | Voltage | 460 & 380 V |
| Speed | 1788 & 1488 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 444T | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Efficiency | 95.8 & 95.4 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 168 & 168 A | Power Factor | 88 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | G |
| Drive End Bearing Size | 6319 | Opp Drive End Bearing Size | 6317 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 12 |
| Number of Speeds | 1 | | |

Technical Specifications


| | | | |
|-----------------------|------------------------------|-----------------------|----------------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Part Wdg Start Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | .028 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Cast Iron |
| Shaft Type | T | Assembly/Box Mounting | F1/F2 CAPABLE |
| Inverter Load | VARIABLE 10:1 | | |
| Outline Drawing | SS620255-444T | Connection Drawing | EE7341C_LE |

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1. THIS MOTOR IS NOT DUAL DRILLED FOR 444T/445T OR 447T/449T
2. THIS MOTOR IS DRILLED FOR F1/F2 CAPABILITY

| | | | |
|-------|-------|-------|-------|
| 444T | 44.57 | 25.20 | 14.50 |
| 445T | 44.57 | 25.20 | 16.50 |
| 447T | 49.69 | 30.32 | 20.00 |
| 449T | 49.69 | 30.32 | 25.00 |
| Frame | C | B | 2F |

| | | | | | | | | | | |
|---|---|--|-------------|--------------------------------|--------------|---|--------|----------------------|-------------|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  REGAL-BELOIT CORPORATION | | DRAWN ZYH 02-21-2010 | | |
| | | | | DEC. | INCHES | | | CHK HZJ 02-21-2010 | | |
| | | | | .X | ±.1 | | | APPD CL 02-21-2010 | | |
| | | | | .XX | ±.03 | TITLE 444/445/447/449T FR-ODP-CAST IRON | | SCALE | 6=32 | |
| G | UPDATED DRAWING PER MARK-UP ECO-0108274 | | WGJ 10-7-16 | EMH .XXX | ±.005 | | | REF | | |
| A | 2 leads hole change to 1 | | CL 2010-9-8 | | .XXXX ±.0005 | MAT'L. | | FMF | HWADA | |
| NO. | REVISION | | BY & DATE | CHK | ANG | ±1/2 | 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 | | CAD FILE SS620255 | | SIZE | DRAWING NO. | REV. |
| | | | | DIST | | | | B | SS620255 | G |

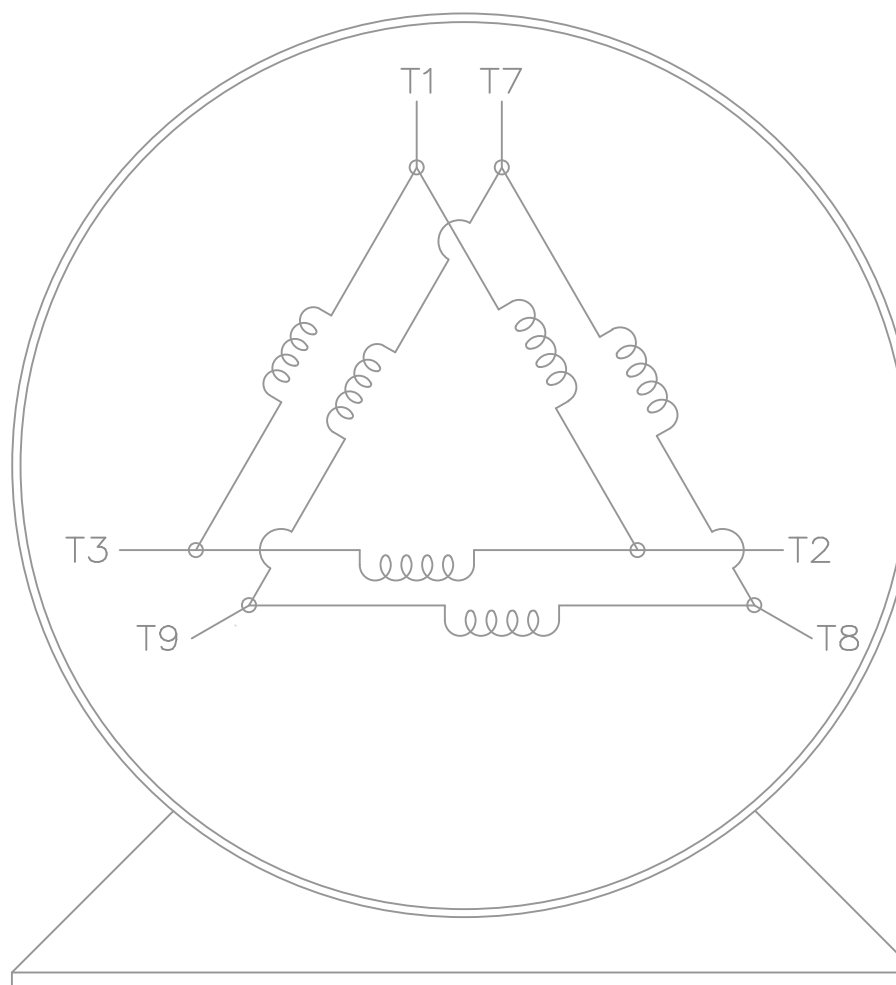
THREE PHASE — PART WINDING START DELTA — 6 LEADS

START


CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

| | | | | | | | | | | | | |
|--|-------------|---------|---------------|--------------------------------|--------|---|---------------------|------|-------------|------|----|------|
| | | | | TOLERANCES UNLESS SPECIFIED | |  ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN KL 07-23-2002 | | | | | |
| | | | | DEC. | INCHES | | CHK DJK 07-23-2002 | | | | | |
| | | | | .X | ± - | | APPD EAB 07-23-2002 | | | | | |
| | | | | .XX | ± - | TITLE CONNECTION DIAGRAM 3ø - 6 LEADS | SCALE 1=1 | | | | | |
| | | | | .XXX | ± - | | REF | | | | | |
| 1 | NEW DRAWING | MU42766 | KL 07-23-2002 | .XXXX | ± - | MAT'L. | FMF | | | | | |
| NO. | REVISION | | BY & DATE | CHK | ANG | ± - | 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 | | CAD FILE EE7341C-LE | | SIZE | DRAWING NO. | PAGE | OF | REV. |
| | | | | DIST WA-LB-LE | | | | A | EE7341C-LE | | | 1 |



CERTIFICATION DATA SHEET

**1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810**

CONN. DIAGRAM: EE7341C_LE

CATALOG #: 199729.00

OUTLINE: SS620255

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT44440002 1

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|----------|-----------|-----------|-------|-----------|----------|--------|
| 150&125 | 112&93.0 | 1800 | 1788&1488 | 444T | DP | G | B |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|-------|---------|---------|-----------------|------------|------|-----------|-------|
| 3 | 60/50 | 460&380 | 168&168 | PWS OR INVERTER | CONTINUOUS | F1 | 1.15/1.15 | 40 |

| | | | | | | | | |
|-----------------------|-----------|----------------------|------|----------------------|----|-----------------|--|-------------------|
| FULL LOAD EFF: | 95.8&95.4 | 3/4 LOAD EFF: | 95.8 | 1/2 LOAD EFF: | 95 | GTD. EFF | | ELEC. TYPE |
| FULL LOAD PF: | 88&88 | 3/4 LOAD PF: | 86 | 1/2 LOAD PF: | 81 | 95.4 | | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|-----------------|------------------|-------------|
| 441 LB-FT | 1000 | 850 LB-FT 192 % | 1050 LB-FT 238 % | 40 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|------------|-------------|-----------------|---------------|-------------------|
| 84 dBA | 94 dBA | 58 LB-FT^2 | 750 LB-FT^2 | 20 SEC. | 2 | 1700 LBS. |

*** SUPPLEMENTAL INFORMATION ***

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|---------------|
| STANDARD | STANDARD | RIGID | HORIZONTAL | FALSE | NONE | FALSE | NONE | BLUE (ENAMEL) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | T | NONE | NONE | AISI 1045 (C-240) | CAST IRON |
| 6319 | 6317 | | | | | | |

| THERMO-PROTECTORS | | | | THERMISTORS | CONTROL | SPACE HEATERS |
|-------------------|------------|----------|----------|-------------|---------|---------------|
| THERMOSTATS | PROTECTORS | WDG RTDs | BRG RTDs | | | |
| NONE | NOT | NONE | NONE | NONE | FALSE | NONE VOLTS |

*

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INVERTER TORQUE: VARIABLE 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz