

PRODUCT INFORMATION PACKET



Model No: 114319.00

Catalog No: 114319.00

White Duck™ General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56C Frame, TEFC

Operational at 115/208-230 V @60HZ



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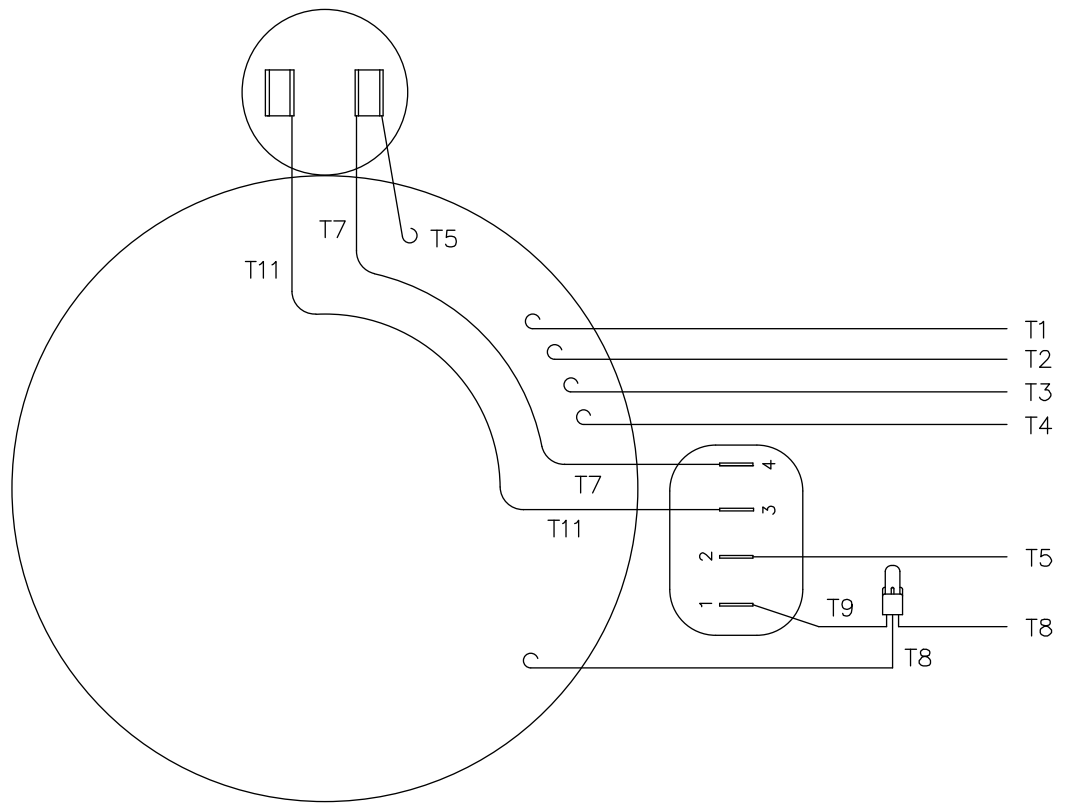


Nameplate Specifications

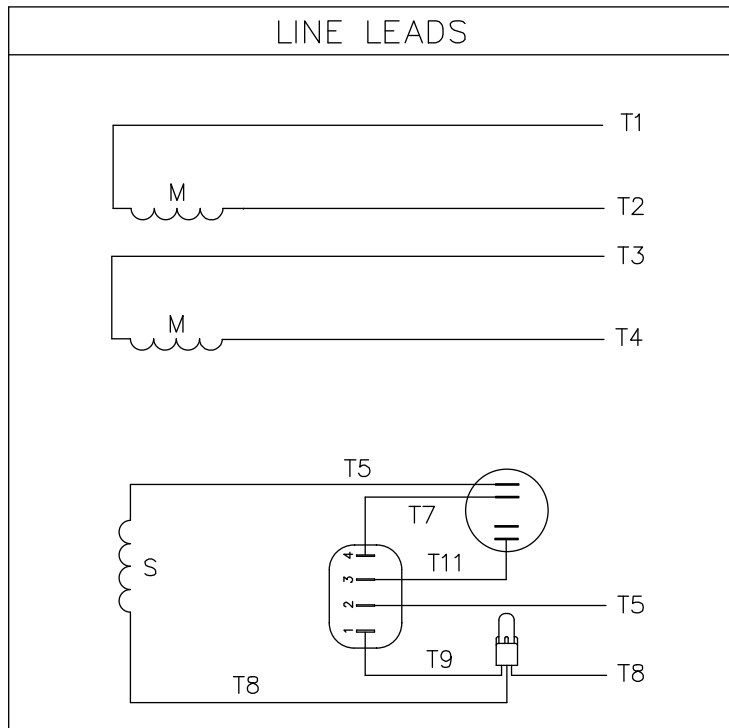
| | | | |
|------------------------|----------------|----------------------------|-----------------------------|
| Phase | 1 | Output HP | 1.50 Hp |
| Output KW | 1.1 kW | Voltage | 115/230 V |
| Speed | 1725 rpm | Service Factor | 1.15 |
| Frame | 56C | Enclosure | Totally Enclosed Fan Cooled |
| Thermal Protection | No Protection | Efficiency | 71 % |
| Ambient Temperature | 40 °C | Frequency | 60 Hz |
| Current | 19.0/9.5 A | Power Factor | 72 |
| Duty | Continuous | Insulation Class | F |
| Design Code | NO DESIGN CODE | KVA Code | J |
| Drive End Bearing Size | 6205 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | N | IP Code | 55 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|-------------------------------|-----------------------|----------------------------|
| Electrical Type | Capacitor Start Induction Run | Starting Method | Across The Line |
| Poles | 4 | Rotation | Selective Counterclockwise |
| Resistance Main | 0 Ohms | Mounting | Round |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | NEMA 56 | Overall Length | 13.37 in |
| Frame Length | 7.50 in | Shaft Diameter | 0.625 in |
| Shaft Extension | 1.88 in | Assembly/Box Mounting | F1 ONLY |
| Connection Drawing | 005278.07 | Outline Drawing | 607-0010-800B |



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



| | ROTATION FACING LEAD END | L1 | L2 | JOIN & INSULATE |
|-----------|--------------------------|--------------|--------------|-----------------|
| HIGH VOLT | C.C.W. | T1 | T4 T5 | T2, T3 T8 |
| | C.W. | T1 | T4 T8 | T2, T3 T5 |
| LOW VOLT | C.C.W. | T1, T3 T8 | T2, T4 T5 | |
| | C.W. | T1, T3 T5 | T2, T4 T8 | |

| | | | | | | | | | | |
|---|--|-----|---------|---------------------------------------|---------|------------------------------------|---|----------|------|-------------|
| | | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | LEESON ELECTRIC CORPORATION | | | | |
| | | | | DECIMALS | | | | | | |
| | | | | .00 | ± .01 | DRAWN | TITLE | | | |
| | | | | .000 | ± .005 | CH'K'D. | EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR | | | |
| 01 | ADDED DECAL FOR STOCK MOTORS ECR 0042509 | GWS | 9/10/13 | .0000 | ± .0005 | APPR. | MAT'L. DECAL - 004012 | | | |
| NO. | REVISION | BY | DATE | FRACTIONS | ± 1/64 | SCALE | STOCK MOTORS TO USE DECAL 214-0122-001 | | | |
| 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 | | | | ANGLES | ± 1/2* | REF. | 005278-01 | FINISH | SIZE | DRAWING NO. |
| | | | | INCH/MM | | FMF | 131571 | STANDARD | A | 005278-07 |



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005278.07

CATALOG #: 114319.00

OUTLINE: 607-0010-750B

MOUNTING: F1 ONLY

WINDING #: C634320 FR 3 A

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|-------|------|-----------|----------|-------|-----------|----------|----------------|
| 1 1/2 | 1.12 | 1800 | 1725 | 56C | TEFC | J | NO DESIGN CODE |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|----|-------------|--------|-----------------|------------|------|------|-------|
| 1 | 60 | 115/208-230 | 19/9.5 | ACROSS THE LINE | CONTINUOUS | F4 | 1.15 | 40 |

| FULL LOAD EFF: | 71 | 3/4 LOAD EFF: | 68.5 | 1/2 LOAD EFF: | 62.7 | GTD. EFF | ELEC. TYPE |
|----------------|----|---------------|------|---------------|------|----------|-------------------|
| FULL LOAD PF: | 72 | 3/4 LOAD PF: | 63.7 | 1/2 LOAD PF: | 53.4 | 66 | CAP START IND RUN |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|-----------------|-----------------|-------------|
| 72 LB-FT | 101.9 / 51 | 150 LB-FT 278 % | 150 LB-FT 278 % | 105 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|---------------|-----------|-----------------|---------------|-------------------|
| 0 dBA | 10 dBA | 0.144 LB-FT^2 | 0 LB-FT^2 | 0 SEC. | 0 | 46 LBS. |

***** SUPPLEMENTAL INFORMATION *****

| DE BRACKET TYPE | ODE BRACKET TYPE | MOUNT TYPE | ORIENTATION | SEVERE DUTY | HAZARDOUS LOCATION | DRIP COVER | SCREENS | PAINT |
|-----------------|------------------|------------|-------------|-------------|--------------------|------------|---------|------------------------|
| C-FACE | STANDARD | ROUND | HORIZONTAL | FALSE | NONE | FALSE | NONE | WHITE - LEESON (EPOXY) |

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|-------------|------------|-------------|-----------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | STANDARD 56 | NONE | NONE | 303 STAINLESS (C-501) | ROLLED STEEL |
| 6205 | 6203 | | | | | | |

| 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: NONE |
| 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 |

