

PRODUCT INFORMATION PACKET



Model No: 199775.00

Catalog No: 199775.00

Obsolete Replaced by B199775.00..7.5..1800.213JM.OPEN.230/460V.3.60/50HZ.CONT.40C..RIGID C-FACE....

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Nameplate Specifications

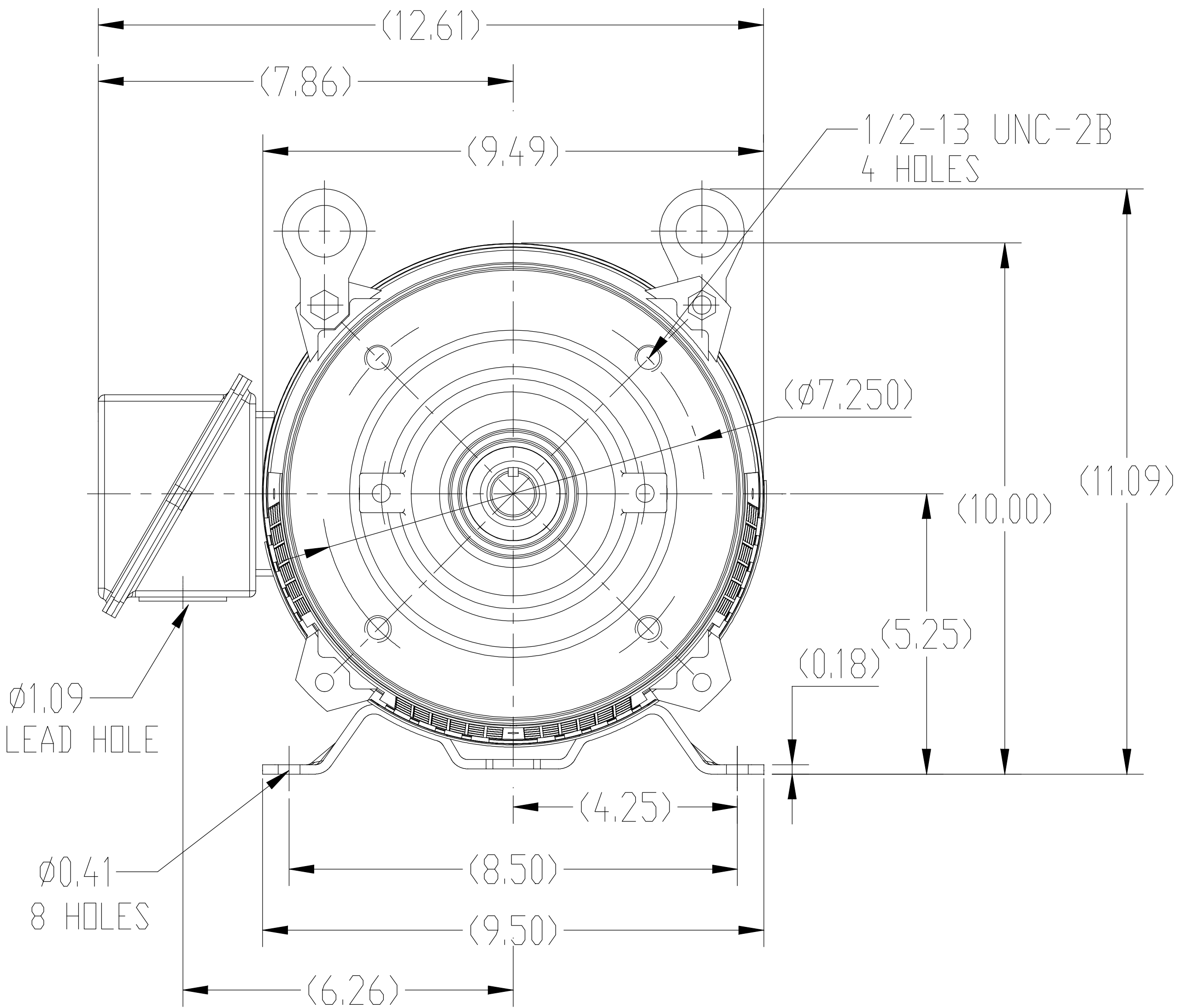
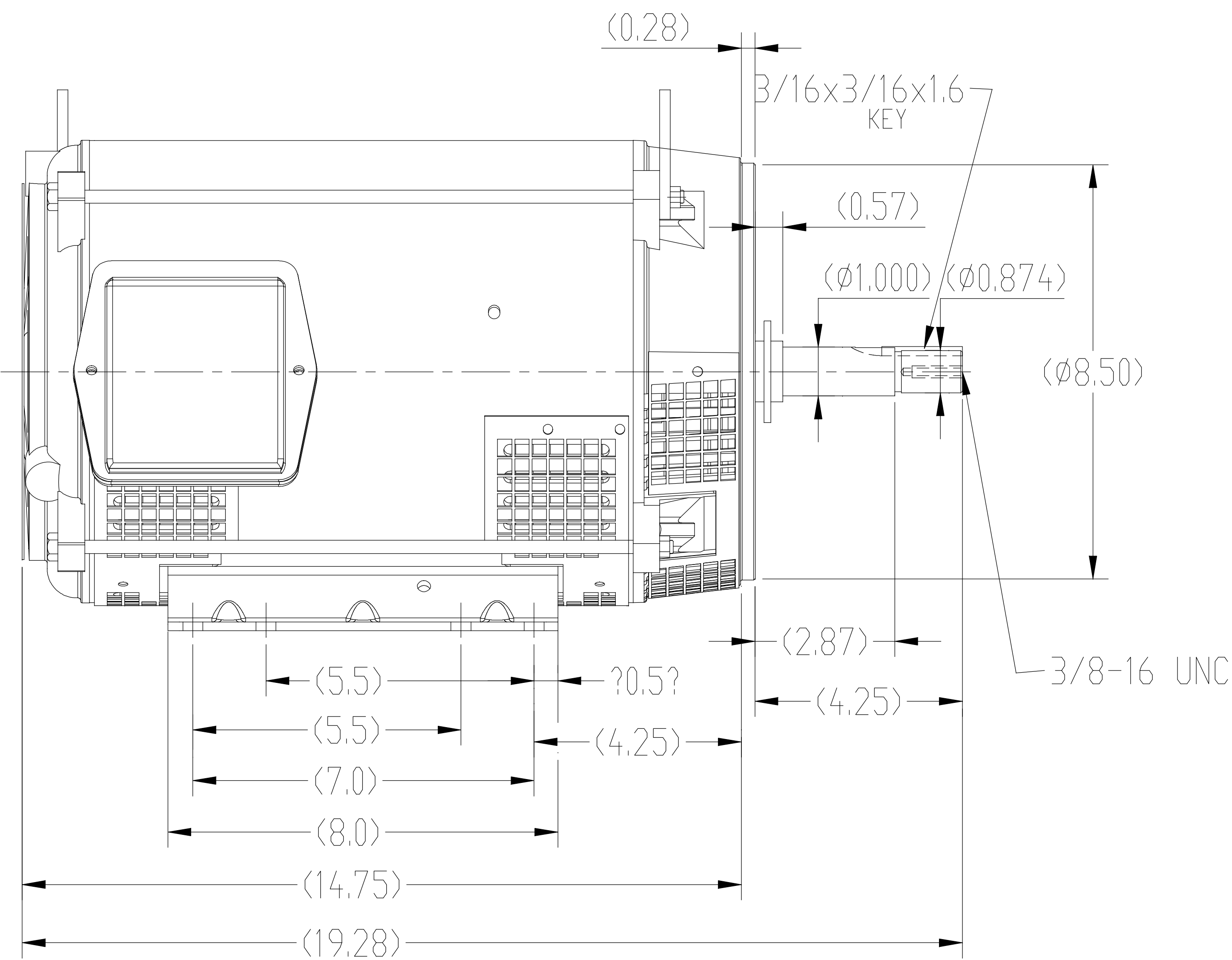
| | | | |
|------------------------|-----------------------|----------------------------|---------------------|
| Phase | 3 | Output HP | 7.50 & 5 Hp |
| Output KW | 5.6 & 3.7 kW | Voltage | 230/460 & 190/380 V |
| Speed | 1768 & 1475 rpm | Service Factor | 1.15 & 1.0 |
| Frame | 213JM | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Efficiency | 91 & 91 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 18.6/9.3 & 15.4/7.7 A | Power Factor | 83 |
| Duty | Continuous | Insulation Class | F |
| Design Code | B | KVA Code | H |
| Drive End Bearing Size | 6309 | Opp Drive End Bearing Size | 6206 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 22 |
| Number of Speeds | 1 | | |

Technical Specifications

| | | | |
|-----------------------|------------------------------|-----------------------|------------------|
| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 4 | Rotation | Reversible |
| Resistance Main | 1.165 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | JM | Assembly/Box Mounting | F1/F2 CAPABLE |
| Inverter Load | VARIABLE 10:1 | | |
| Outline Drawing | SS620860 | Connection Drawing | EE7308_LE |

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SS620860



| | | | | | | | | | | |
|--|-------------------------|-------------|--------------|------|-------|--------------------------------|----------|----------|------|-------------|
| | | | | | | TOLERANCES UNLESS SPECIFIED | | | | |
| | | | | | | DEC. | INCHES | | | |
| | | | | | | .X | ±.1 | | | |
| | | | | | | .XX | ±.03 | | | |
| | | | | | | .XXX | ±.005 | | | |
| A | RELEASED FOR PRODUCTION | ECD-0093138 | WGJ 09-06-17 | EMH | .XXXX | ±.0005 | MAT'L. | | | |
| NO. | REVISION | | BY & DATE | CHK | ANG | ±1/2 | FINISH | | | |
| 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 | SS620860 | SIZE | DRAWING NO. |
| | | | | DIST | | | | | B | SS620860 |
| | | | | | | | | | | REV. |
| | | | | | | | | | | A |



REGAL-BELOIT CORPORATION

213/215T FR-JM-ROLLED STEEL

DRAWN ZYH 6-8-2010

CHK HZJ 6-8-2010

APPD CL 6-8-2010

SCALE 1=5

REF

FMF Wuxi

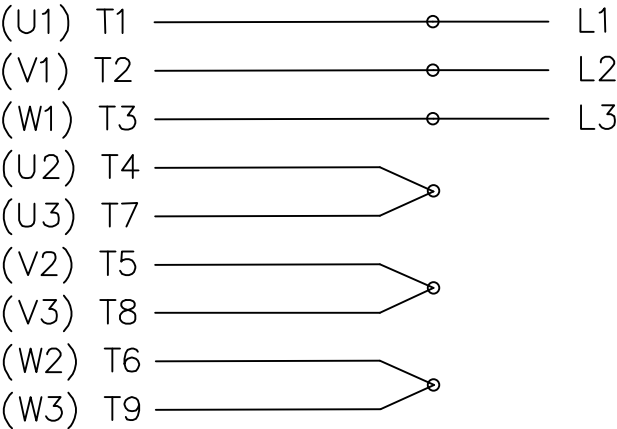
PREV

REV.

A

THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE




T1 (U1)
T4 (U2)
T9 (W3)
T7 (U3)
T8 (V3)
T6 (W2)
T5 (V2)
T2 (V1)
T3 (W1)

VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

| | | | | TOLERANCES UNLESS SPECIFIED | |  | ELECTRIC MOTORS GEARMOTORS AND DRIVES | DRAWN HLB 04-29-2002 | | | |
|---|---|----------------|-----|--------------------------------|--------|---|---|----------------------|-------------|------------|------|
| | | | | DEC. | INCHES | | | CHK | ML | 05-03-2002 | |
| | | | | .X | ±.1 | | | APPD | GK | 05-03-2002 | |
| | | | | .XX | ±.01 | TITLE CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR | | SCALE 1=1 | | | |
| 2 | ADDED IEC NOTATIONS... (U1), (V1) ETC. (MU105786) | REP 01-11-2012 | DR | .XXX | ±.005 | | | REF | | | |
| 1 | NEW DRAWING | HLB 05-03-2002 | ML | .XXXX | ±.0005 | MAT'L. | | FMF | | | |
| NO. | REVISION | BY & DATE | CHK | ANG | ±1/2' | FINISH | | PREV | | | |
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| | | | | DIST LB-WP | | | | A | EE7308-LE | | 2 |



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: EE7308_LE

CATALOG #: 199775.00

OUTLINE: SS620860

MOUNTING: F1/F2 CAPABLE

WINDING #: CHT21340007 1

TYPICAL MOTOR PERFORMANCE DATA

| HP | kW | SYNC. RPM | F.L. RPM | FRAME | ENCLOSURE | KVA CODE | DESIGN |
|---------|-----------|-----------|-----------|-------|-----------|----------|--------|
| 7 1/2&5 | 5.60&3.70 | 1800 | 1768&1475 | 213JM | DP | H | B |

| PH | Hz | VOLTS | AMPS | START TYPE | DUTY | INSL | S.F. | AMB°C |
|----|-------|-----------------|-------------------|------------------|------------|------|----------|-------|
| 3 | 60/50 | 230/460&190/380 | 18.6/9.3&15.4/7.7 | LINE OR INVERTER | CONTINUOUS | F5 | 1.15/1.0 | 40 |

| | | | | | | | |
|----------------|-------|---------------|------|---------------|------|----------|-------------------|
| FULL LOAD EFF: | 91&91 | 3/4 LOAD EFF: | 91.7 | 1/2 LOAD EFF: | 90.2 | GTD. EFF | ELEC. TYPE |
| FULL LOAD PF: | 83&81 | 3/4 LOAD PF: | 77 | 1/2 LOAD PF: | 68 | 91 | SQ CAGE INV RATED |

| F.L. TORQUE | LOCKED ROTOR AMPS | L.R. TORQUE | B.D. TORQUE | F.L. RISE°C |
|-------------|-------------------|----------------|----------------|-------------|
| 22.3 LB-FT | 116 / 58 | 40 LB-FT 178 % | 58 LB-FT 260 % | 35 |

| SOUND PRESSURE @ 3 FT. | SOUND POWER | ROTOR WK^2 | MAX. WK^2 | SAFE STALL TIME | STARTS / HOUR | APPROX. MOTOR WGT |
|------------------------|-------------|-------------|------------|-----------------|---------------|-------------------|
| 47 dBA | 57 dBA | 0.9 LB-FT^2 | 50 LB-FT^2 | 20 SEC. | 2 | 135 LBS. |

*** SUPPLEMENTAL INFORMATION ***

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

| BEARINGS | | GREASE | SHAFT TYPE | SPECIAL DE | SPECIAL ODE | SHAFT MATERIAL | FRAME MATERIAL |
|----------|------|------------|------------|------------|-------------|-------------------------|----------------|
| DE | ODE | | | | | | |
| BALL | BALL | POLYREX EM | JM | NONE | NONE | 1045 HOT ROLLED (C-204) | ROLLED STEEL |
| 6309 | 6206 | | | | | | |

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

*

N

O

T

E

S

INVERTER TORQUE: VARIABLE 10:1

INV. HP SPEED RANGE: NONE

ENCODER: NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

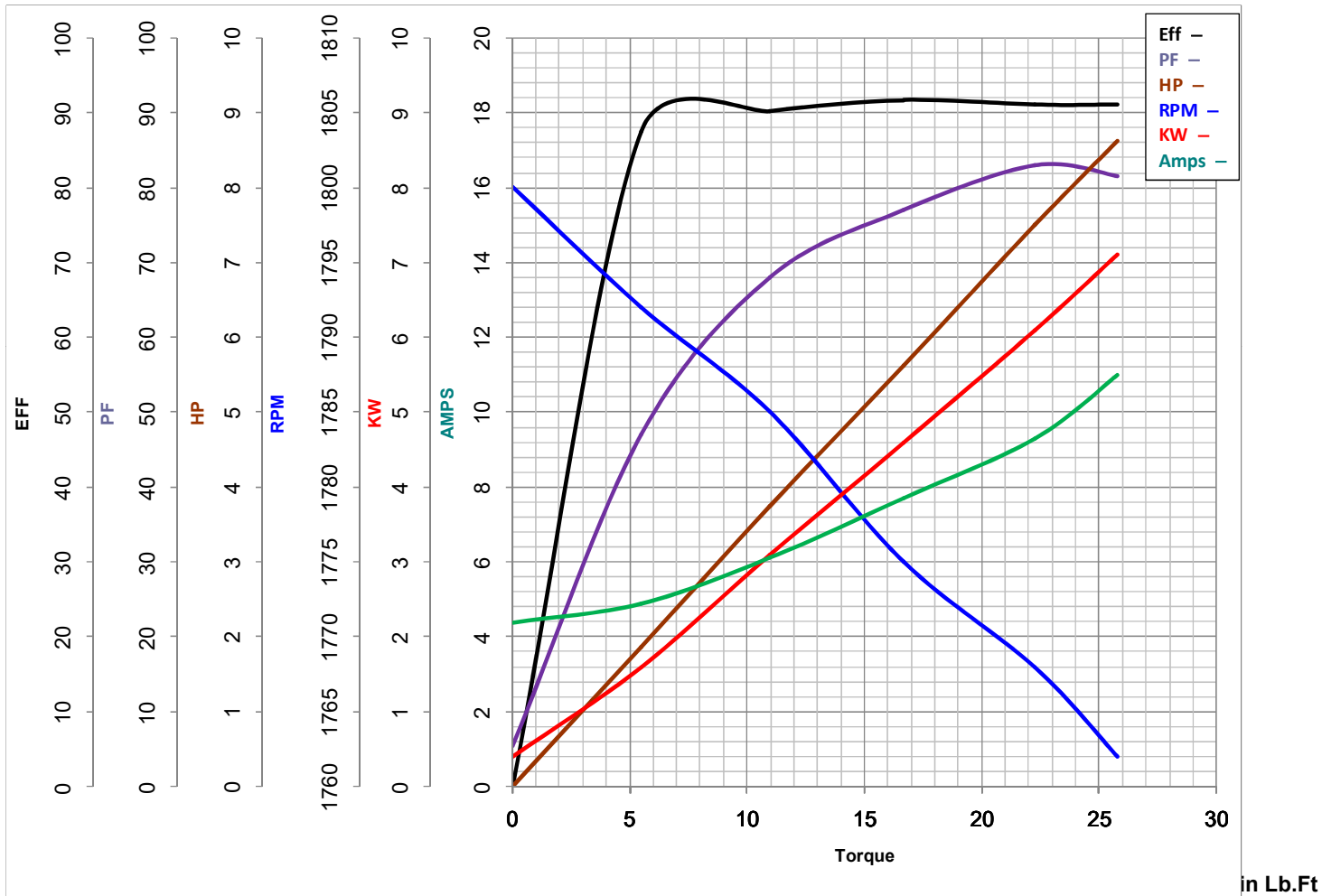
NONE NONE

NONE FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 199775.00Curve at 460
60
7.5Volts
HZ
HPHP 7.5&5PHASE 3VOLTS 230/460&190/380Catalog No 199775.00HZ 60&50RPM 1768&1475

FL TORQUE 22.3 Lb.Ft
 BD TORQUE 58.0 Lb.Ft
 LR TORQUE 40 Lb.Ft

FL AMPS 18.6/9.3
 PU TORQUE 29.0 Lb.Ft
 LR AMPS 58

WINDING CHT21340007-1

Date 10/29/2018