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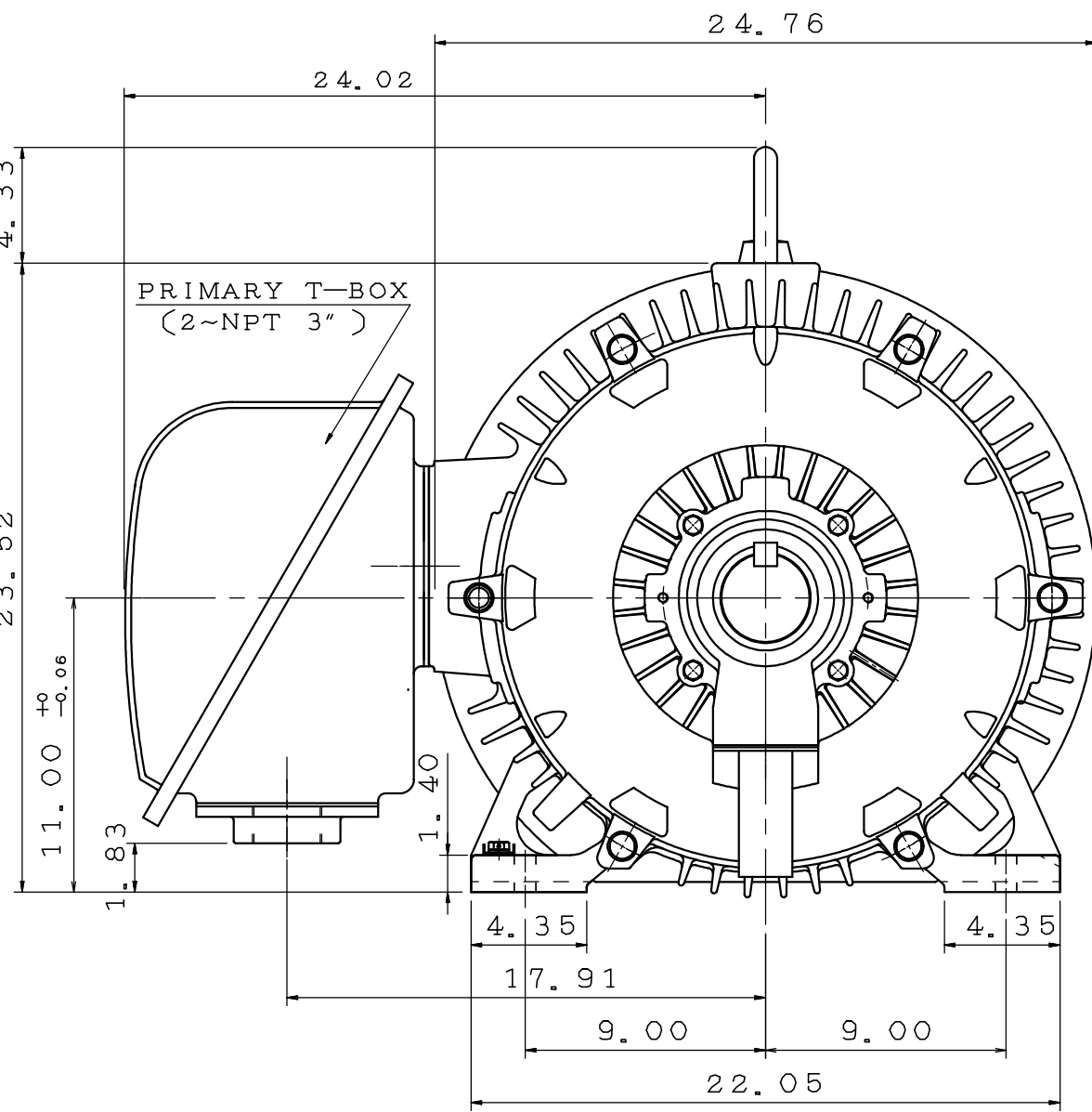
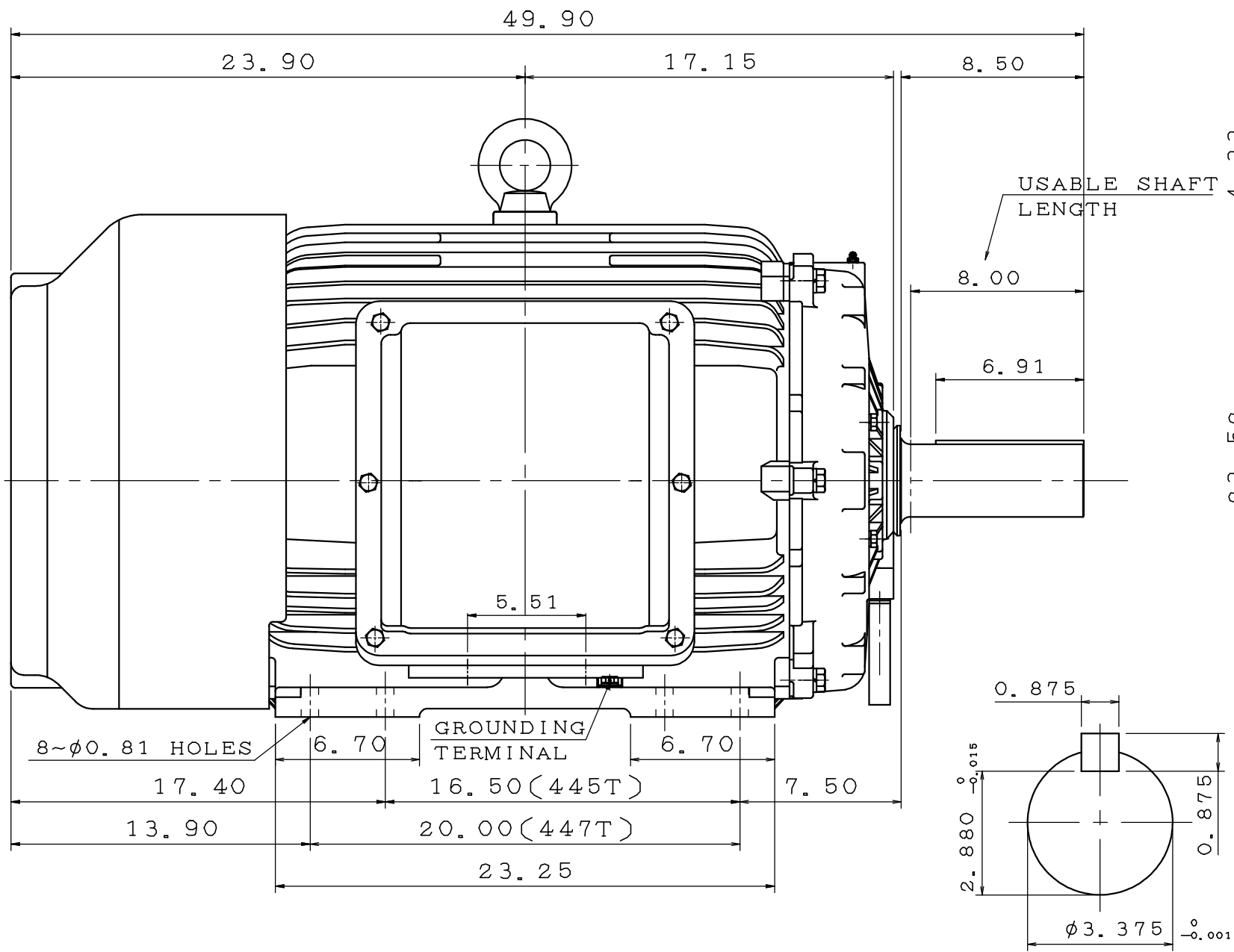
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| POLE | HP | kW | Hz | VOLT | r/min(RPM) | INS | RATING | DIMENSION IN | APPROX WEIGHT | BEARINGS |
|------|-----|-----|----|------|------------|-----|--------|--------------|---------------|--------------------|
| 6 | 150 | 112 | 60 | 460 | 1200 | F | CONT. | INCH | 2059lbs | DE: 6320 NDE: 6316 |

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A
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NOTE:
 1. FOR DIRECT FLEXIBLE COUPLING
 2. ENCLOSURE: IP55 PROTECTION

OUTLINE DIMENSIONS
 3-PHASE INDUCTION MOTOR

| | | | |
|-------------|--------|-----------|---------------|
| MOTOR TYPE | AEHH8N | FRAME NO. | 447T |
| CATALOG NO: | EP1506 | DATE | APRIL 1, 2020 |

| | | |
|-------|-----------|----------|
| APPD. | BEN. YANG | 06•19•19 |
| CHKD. | K. L. KUO | 06•19•19 |
| DWG. | K. L. KUO | 06•15•19 |



DWG NO.
 31057C556650

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TECO Westinghouse

| | | |
|----------------------------|---|---------------------------|
| ISSUED 8/15/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8N | | CATALOG# EP1506 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|--------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 150 | 111.9 | 6 | 447T | 460 | 60 | 40°C | F | B | CONT. | 1.15 |

VARIABLE FREQUENCY DRIVE SERVICE

| | | | | | | | | |
|-----------------|-------------------|----------------|------------------|--|---------------|---------------|---------------|----------------|
| VARIABLE TORQUE | | | | OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C) | | | | |
| HZ | HP | RPM | TORQUE (lb-ft) | R1 | R2 | X1 | X2 | X _m |
| 3~60 | 0.0188~150 | 60~1200 | 1.644~664 | 0.0445 | 0.0319 | 0.3154 | 0.7081 | 13 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|-----------------|----------------|---------------------|------------|------------------|-------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 15~150 | 120~1200 | 664 | 60~90 | 150 | 1200~1800 | 664~442.66 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | SOUND PRESSURE LEVEL @ 3 FT Db(A) |
|---------------|------------|-------------|-------------|-------------|--------------|------------|------------|-----------------------------------|
| | FULL LOAD | | 3/4 LOAD % | 1/2 LOAD % | FULL LOAD % | 3/4 LOAD % | 1/2 LOAD % | |
| | MIN.% | NOM.% | | | | | | |
| 1186 | 95 | 95.8 | 95.4 | 94.5 | 83.5 | 81 | 74 | 79 |

| CURRENTS | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|-------------|---------------|--------------|----------------------|----------------------------|-----------|
| NO LOAD | FULL LOAD | LOCKED ROTOR | | COLD | HOT |
| AT 460 VOLT | AT 460 VOLT | AT 460 VOLT | | | |
| 50.4 | 176.00 | 1085 | G | 19 | 13 |

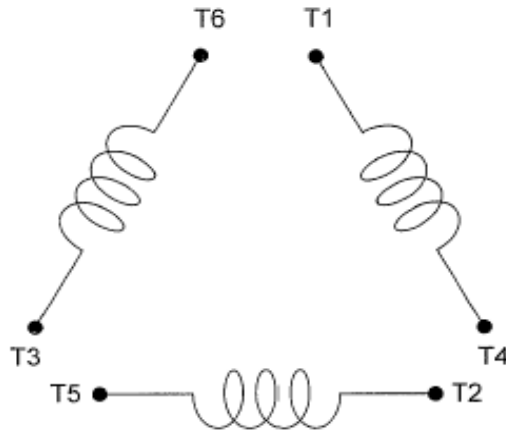
| TORQUE | | | | INERTIA | | | ACCEL TIME (DOL) | | ALLOWABLE STARTS PER HOUR | |
|-------------------|-------------------|--------------|-----------------|---|---|---|-------------------------------|-----------------------------------|---------------------------|----------|
| FULL LOAD (lb-ft) | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | ROTOR WR ² (lb-ft ²) | NEMA LOAD WK ² (lb-ft ²) | MAX ALLOWABLE WK ² (lb-ft ²) | NEMA LOAD WK ² Sec | MAX ALLOWABLE WK ² Sec | COLD | HOT |
| 664.00 | 135 | 105 | 220 | 103 | 1719 | 4298 | 6.16 | 14.87 | 2 | 1 |

| | | | | | |
|-----------|------------------|-------------|--------------------|-----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP1506 | REVISION: | 1 |
|-----------|------------------|-------------|--------------------|-----------|----------|

DATE:
December 2, 2005

CONNECTION DIAGRAM

CATALOG NO.:
EP1506



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
460 VOLT START**



**LINE
460 VOLT RUN**