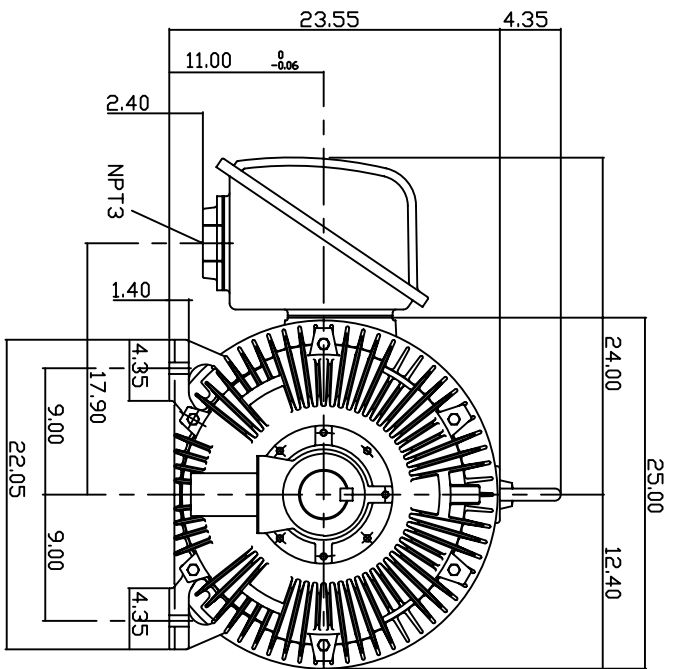
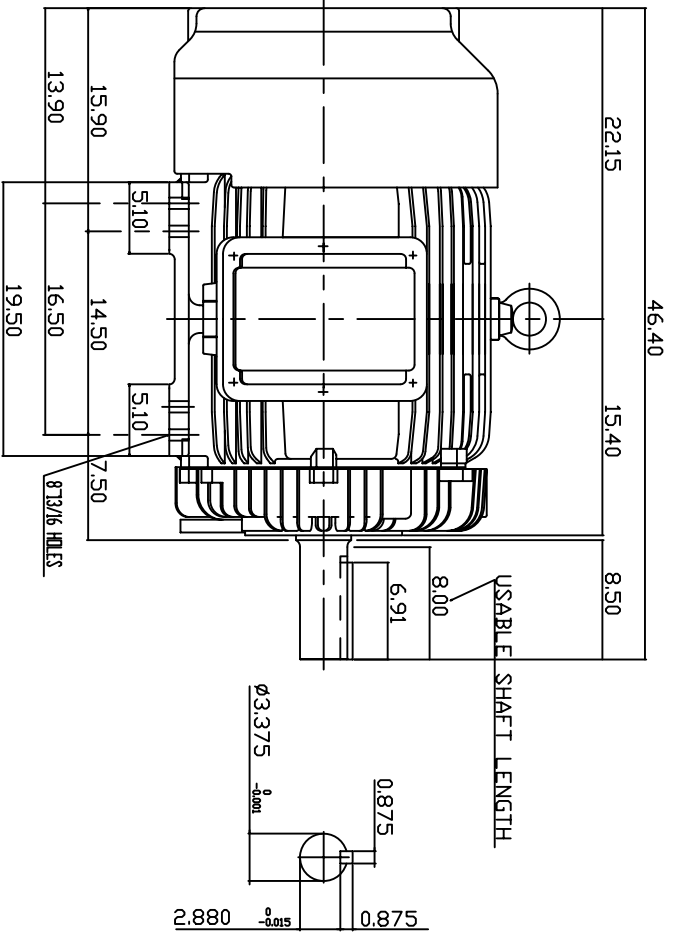


| TYPE | OUTPUT HP. | OUTPUT KW. | POLE | TIME RATING | VOLTAGE V | Hz | SYNSPEED R.P.M. |
|-------|---------------|---------------|------|----------------|--------------|----|--------------------|
| AEH8N | 150 | 111.9 | 4 | CONT. | 460 | 60 | 1800 |

TOTALLY ENCLOSED FAN-COOLED TYPE, SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 445T
3. F CLASS INSULATION, S.F.115
4. FOR BELTED SERVICE
5. ENCLOSURE: IP54
6. BEARING SIZE: DRIVE END: NU318
NON-DRIVE END: 6316
7. APPROX. WEIGHT: 1900 LBS

TW-56C

| DWN. | S.DING | JAN '28 '2005 |
|-------|---------|---------------|
| CHKD. | H.HUANG | JAN '28 '2005 |
| APPD. | C.WANG | JAN '28 '2005 |

DATE 20050616
CATALOG # EP1504R

OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR



DWG NO. 3A040Y651
REV: 00

TECO Westinghouse

| | | |
|----------------------------|---|----------------------------|
| ISSUED 8/15/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8N | | CATALOG# EP1504R |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|-------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 150 | 112 | 4 | 445T | 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 | 90~1800 | 1.10~442 | 0.0492 | 0.038 | 0.367 | 0.691 | 11.3 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|-----------------|----------------|---------------------|------------|------------------|-------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 15~150 | 180~1800 | 442 | 60~90 | 150 | 1800~2700 | 442~294.66 |

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.% | | | | | | |
| 1783 | 95 | 95.8 | 95.4 | 94.5 | 85 | 83 | 78 | 81 |

| 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 | G | 25 | 17 |
| 46.6 | 172.00 | 1085 | | | |

| 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 |
| 442.00 | 130 | 100 | 220 | 52 | 640 | 1280 | 5.33 | 10.26 | 2 | 1 |

| | | | | | |
|-----------|------------------|-------------|--------------------|-----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057EP1504 | REVISION: | 1 |
|-----------|------------------|-------------|--------------------|-----------|----------|

DATE:
December 2, 2005

CONNECTION DIAGRAM

CATALOG NO.:
EP1504R



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION

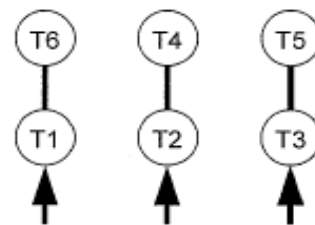


460 VOLT CONNECTION

WYE START-DELTA RUN CONNECTION



**LINE
460 VOLT START**



**LINE
460 VOLT RUN**