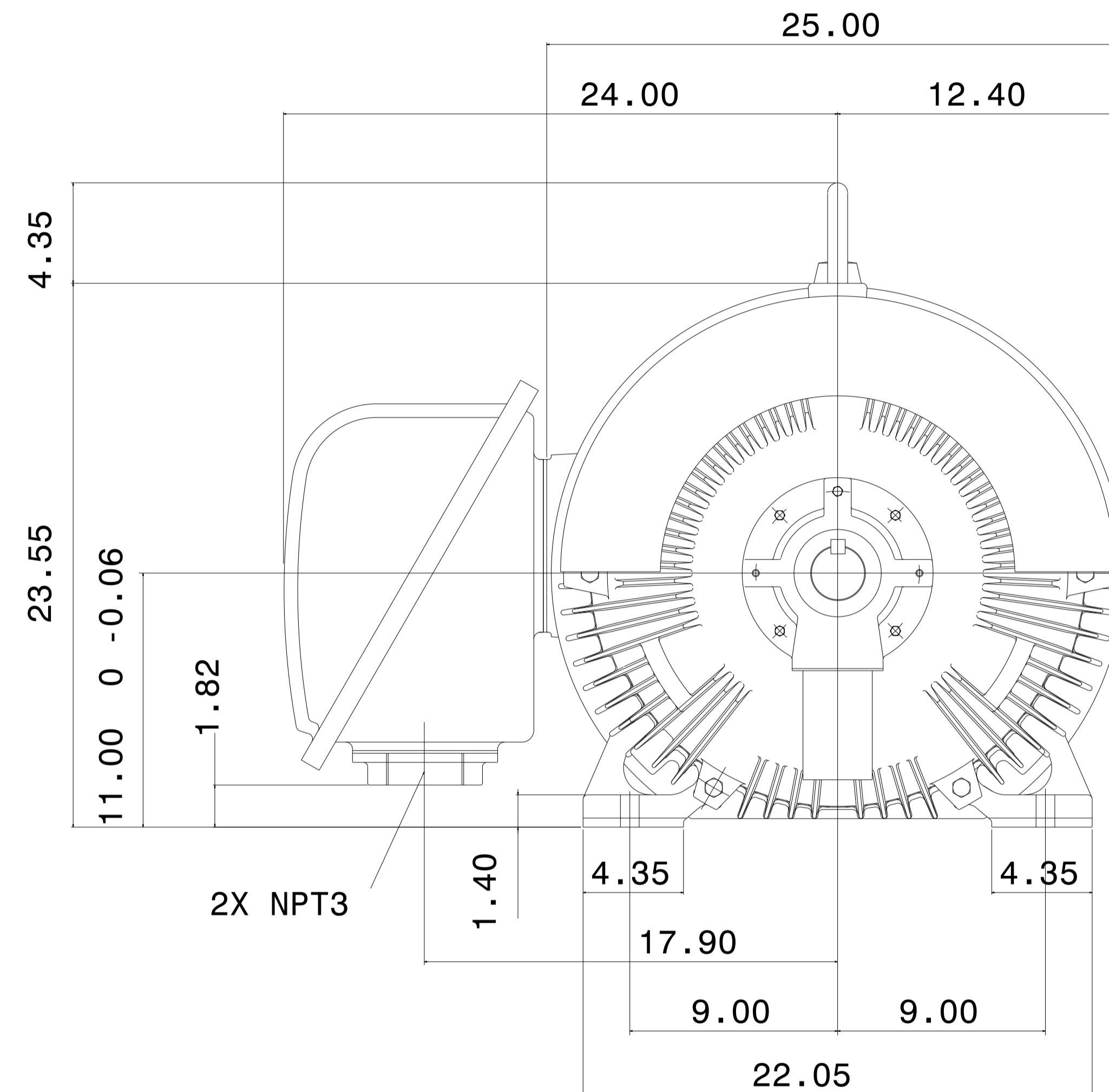
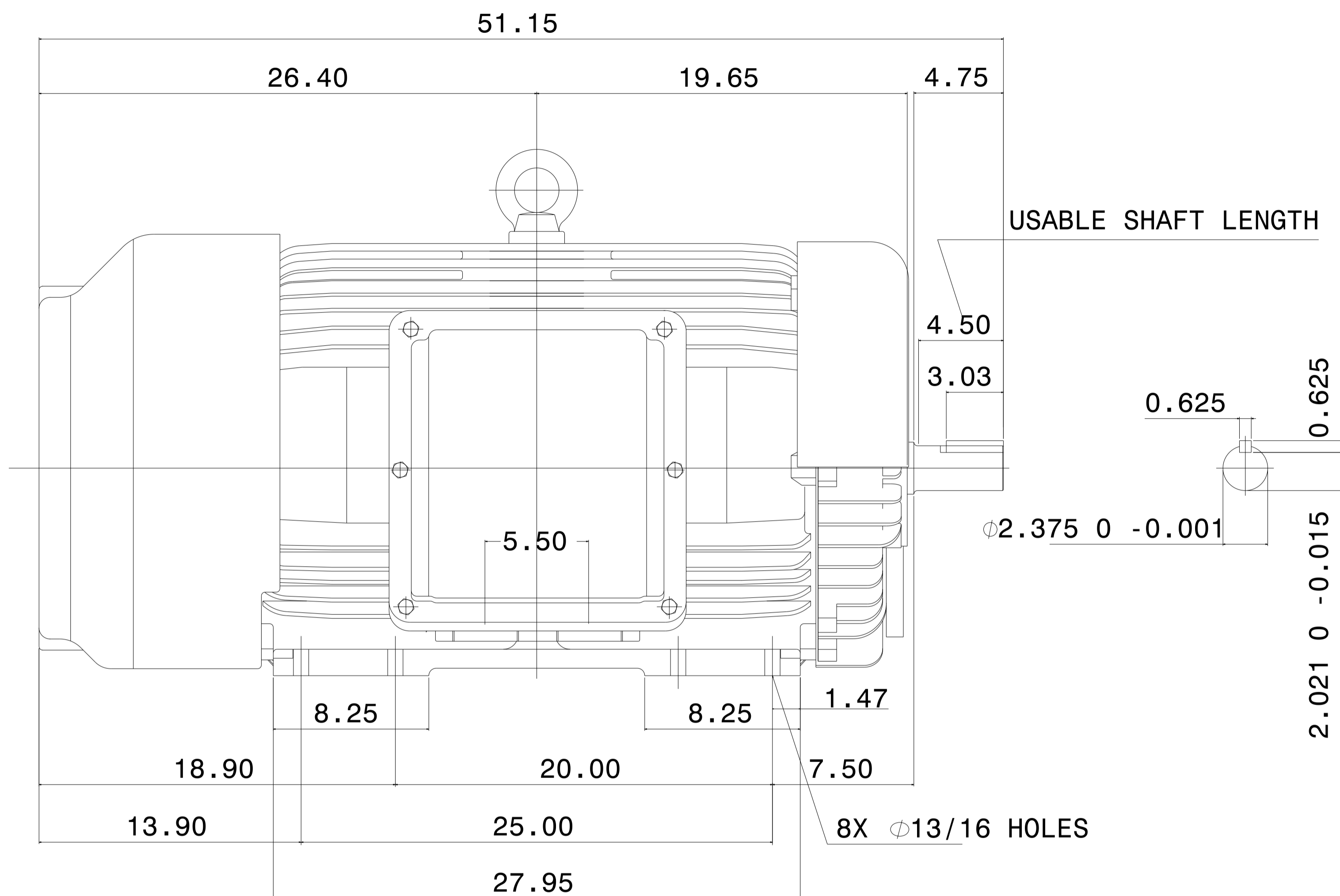


| TYPE | OUTPUT | | POLE | TIME RATING | VOLTAGE V | Hz | SYN. SPEED R.P.M |
|--------|--------|-----|------|-------------|-----------|----|------------------|
| | HP. | kW. | | | | | |
| AEHH8B | 300 | 224 | 2 | CONT. | 460 | 60 | 3600 |

TOTALLY ENCLOSED FAN-COOLED TYPE. SQUIRREL-CAGE ROTOR



NOTE:

1. DIMENSIONS IN INCH
2. FRAME NO. 449TS
3. F CLASS INSULATION, S.F.1.15
4. FOR DIRECT FLEXIBLE COUPLING
5. ENCLOSURE: IP55
6. BEARING SIZE: DRIVE END: 6314C3
NON-DRIVE END: 6314C3
7. APPROX. WEIGHT: 2550 LBS
8. INPRO SEAL ON BOTH ENDS.
9. NON-SPARKING FAN.
10. NOISE BELOW 83 DBA AT 1 METER AT NO LOAD.
11. VIBRATION VERTICAL/HORIZONTAL BELOW 0.08 IN/SEC
AXIAL BELOW 0.06 IN/SEC.

TW-56BC

| | | |
|-----------|-----------|-------------------------|
| DATE | 12-12-17 | OUTLINE DIMENSIONS |
| CATALOG # | HB3002 | 3-PHASE INDUCTION MOTOR |
| DWG NO. | 3A040Y703 | REV: 03 |

| | | |
|-------|----------|-------------|
| DWN. | T.H. Pan | FEB 18 2005 |
| CHKD. | H. HUANG | FEB 18 2005 |
| APPD. | C. WANG | FEB 18 2005 |

TEC Westinghouse

TECO Westinghouse

| | | |
|----------------------------|---|---------------------------|
| ISSUED 8/28/2014 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8B | | CATALOG# HB3002 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|------------|------------|----------|--------------|------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 300 | 224 | 2 | 449TS | 460 | 60 | 50°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 | 0.0375~300 | 180~3600 | 1.093~439 | 0.0126 | 0.011 | 0.1338 | 0.23 | 9.3 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|---------------|-----------------|----------------|---------------------|------------|-------------|----------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 30~300 | 360~3600 | 439 | 60 | 300 | 3600 | 439 |

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.% | | | | | | |
| 3580 | 95 | 95.8 | 95.4 | 94.5 | 90.2 | 86.5 | 82.5 | 83 |

| 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 | | | |
| 50.5 | 325.00 | 2220 | G | 22 | 15 |

| 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 |
| 440.00 | 102 | 81 | 210 | 52.5 | 246 | 246 | 5.07 | 5.07 | 2 | 1 |

| | | | | | |
|-----------|------------------|-------------|--------------------|-----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057HB3002 | REVISION: | 1 |
|-----------|------------------|-------------|--------------------|-----------|----------|

DATE:
June 27, 2005

CONNECTION DIAGRAM

CATALOG NO.:
HB3002



SCHEMATIC - Δ CONNECTION

ACROSS THE LINE CONNECTION



460 VOLT CONNECTION