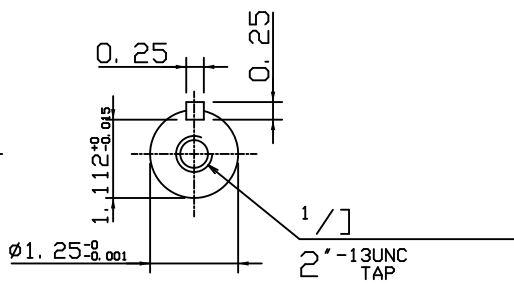
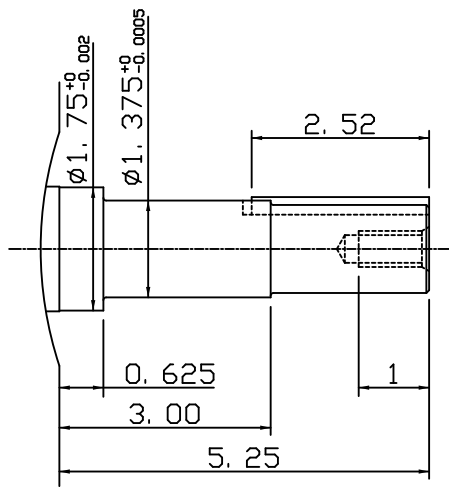
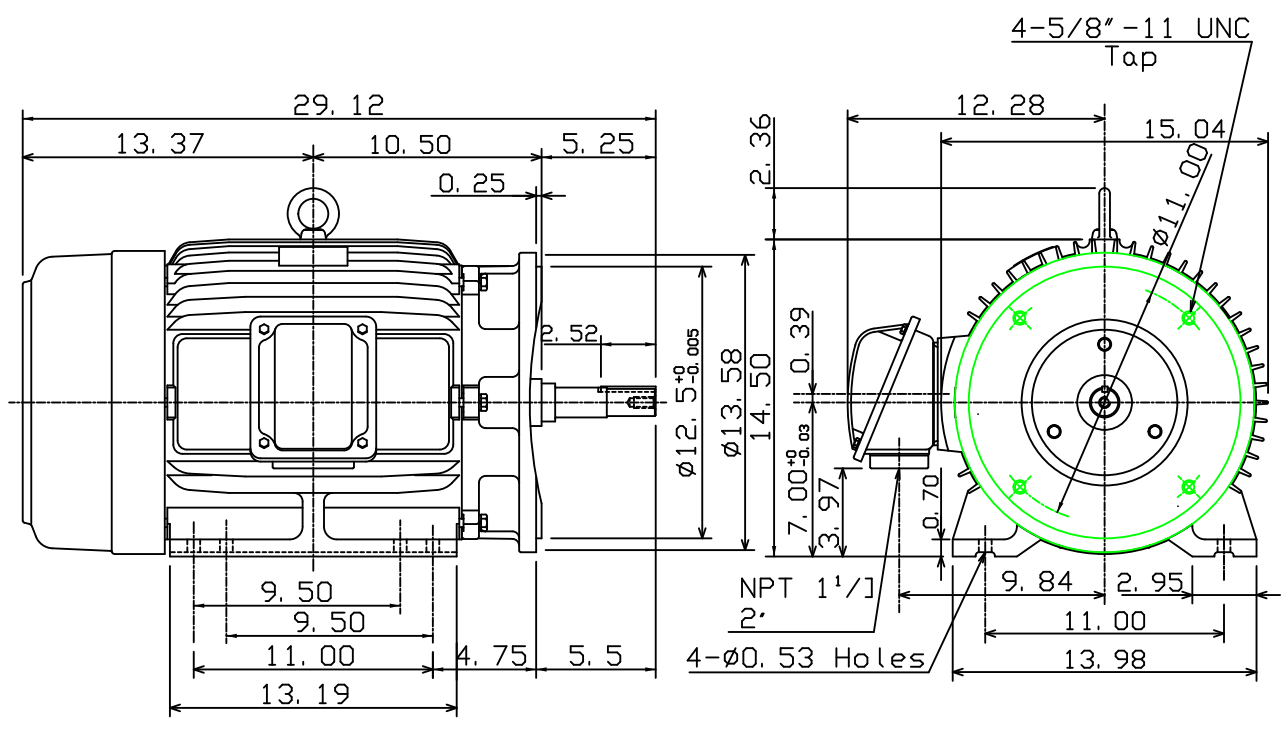


| | | |
|----------------------|---|--------------------------|
| DATE Nov. 1, 2016 | OUTLINE DIMENSIONS 3-PHASE INDUCTION MOTOR | MOTOR TYPE: AEHH8NJMP |
| Cat. #: JMO206 | | FRAME NO. 286JM |

| Pole | HP | kW | Hz | VOLT | Syn. Speed r/min(rpm) |
|------|----|-------|----|---------|--------------------------|
| 6 | 20 | 14.92 | 60 | 230/460 | 1200 |

| Ins | Rating | Dimension in | Approx Weight | Bearings |
|-----|--------|--------------|---------------|------------------------|
| F | CONT. | inches | 455 lbs. | DE: 6311ZZ NDE: 6310ZZ |

Totally Enclosed Fan-Cooled Type, Squirrel-Cage Rotor.



| | | |
|---|--|--|
| ◇ | | |
|---|--|--|

| | | |
|---------------------------|------------------|----------------------|
| DWN. K. L. KUO 02-13-08 | TEC Westinghouse | DWG NO. 31057H212490 |
| CHKD. K. L. KUO 02-14-08 | | |
| APPD. M. C. TSAI 02-14-08 | | |

TECO Westinghouse

| | | |
|----------------------------|---|----------------------------|
| ISSUED 11/2/2016 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE TEFC |
| TYPE AEHH8NJMP | | CATALOG# JMP0206 |

NAMEPLATE INFORMATION

| OUTPUT HP | KW | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|--------------|-------------|----------|---------------|----------------|-----------|------------------|---------------|----------------|----------------|-------------------|
| 20 | 14.9 | 6 | 286JM | 230/460 | 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 | 0.0025~20 | 60~1200 | 0.219~89.75 | 0.2409 | 0.3177 | 0.954 | 1.879 | 34.561 |

| CONSTANT TORQUE | | | | CONSTANT HORSEPOWER | | | |
|-----------------|-------------|-----------------|-------------------|---------------------|-----------|------------------|--------------------|
| HZ | HP | RPM | TORQUE (lb-ft) | HZ | HP | RPM | TORQUE (lb-ft) |
| 6~60 | 2~20 | 120~1200 | 89.75 | 60~90 | 20 | 1200~1800 | 89.75~59.83 |

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.% | | | | | | |
| 1170 | 90.2 | 91.7 | 92.4 | 92.4 | 84 | 81 | 73 | 66 |

| CURRENTS | | | | | | | | | NEMA KVA CODE LETTER | SAFE STALL TIME IN SECONDS | |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|----------------------------------|-----------|
| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | | COLD | HOT |
| AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | AT 208 VOLT | AT 230 VOLT | AT 460 VOLT | | | |
| 13.60 | 14.96 | 7.48 | 53.74 | 48.60 | 24.30 | 262.3 | 290.0 | 145 | G | 35 | 25 |

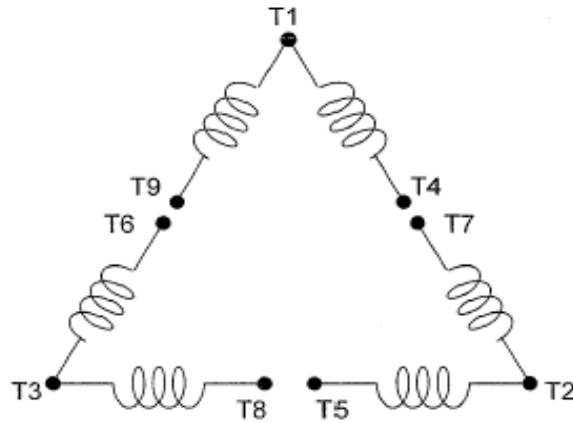
| TORQUE | | | | INERTIA | | | ACCEL TIME (DOL) | | ALLOWABLE STARTS PER HOUR | |
|-------------------------|-------------------------|--------------------|-----------------------|---|--|--|--|--|---------------------------------|----------|
| FULL LOAD (lb-ft) | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK 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 |
| 89.75 | 210 | 160 | 225 | 8.34 | 262 | 610 | 5.75 | 13.14 | 2 | 1 |

| | | | | | |
|-----------|------------------|-------------|---------------------|-----------|----------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057JMP0206 | REVISION: | 1 |
|-----------|------------------|-------------|---------------------|-----------|----------|

DATE:
June 28, 2005

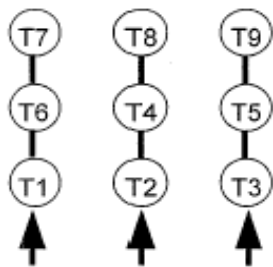
CONNECTION DIAGRAM

CATALOG NO.:
JMP0206

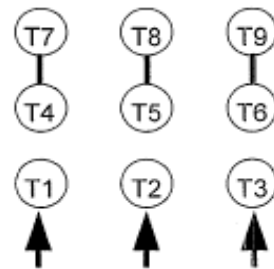


SCHEMATIC - 2Δ / Δ CONNECTION

ACROSS THE LINE CONNECTION



**LINE
230 VOLT CONNECTION**



**LINE
460 VOLT CONNECTION**