

DATE
MAY 2, 2011
CATALOG NO.
XP0102C

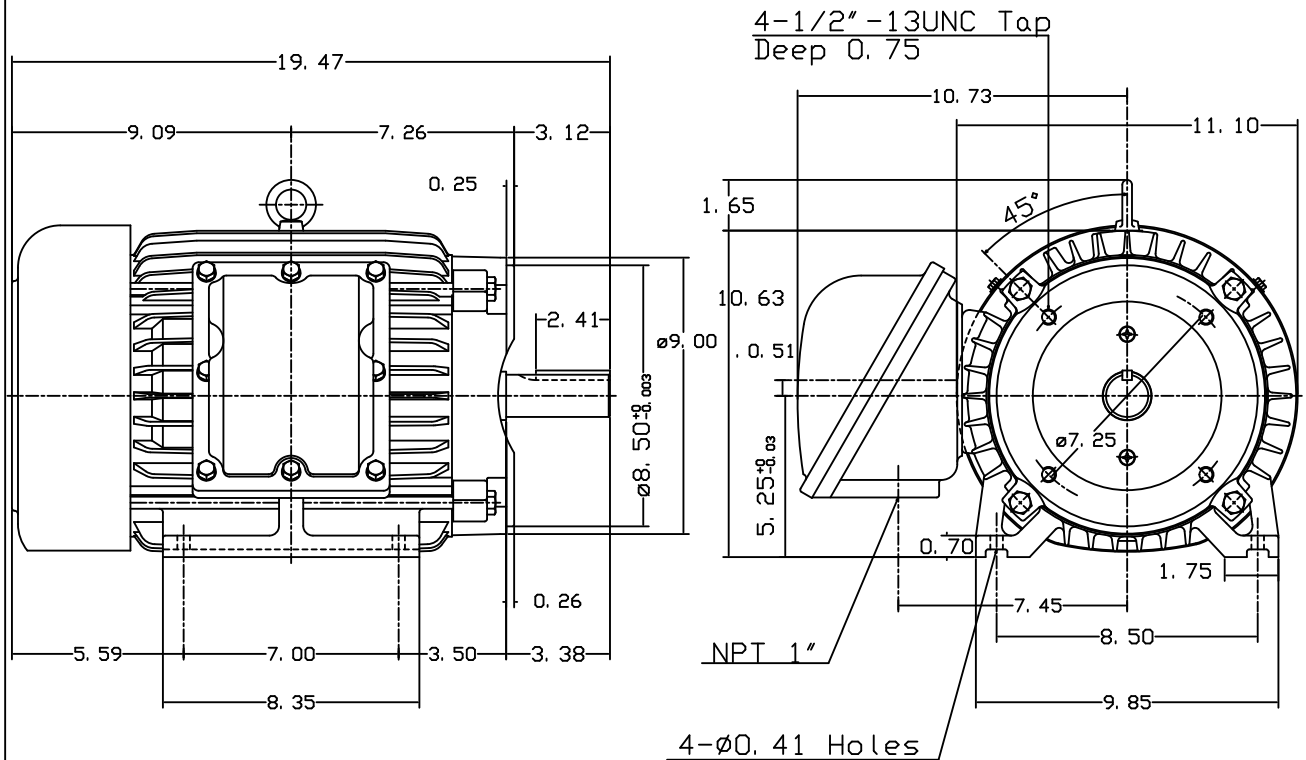
OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEHHXF
FRAME NO. 215TC

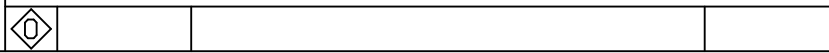
| Pole | HP | KW | Hz | VOLT | Syn. Speed r/min(rpm) |
|------|----|-----|----|---------|--------------------------|
| 2 | 10 | 7.5 | 60 | 230/460 | 3600 |

| Ins | Rating | Dimension in | Approx Weight | Bearings |
|-----|--------|--------------|---------------|------------------------|
| F | CONT. | inches | 241 lbs. | DE: 6308ZZ NDE: 6306ZZ |

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



Note:
1. Explosion proof:
Class I Group C, D and
Class II Group E, F, G.



| | | |
|-------|-------------|----------|
| DWN. | J. H. LIANG | 11-28-00 |
| CHKD. | C. S. LO | 03-22-01 |
| APPD. | Y. B. HUANG | 03-22-01 |



DWG NO.
31049M624021

TECO Westinghouse

| | | |
|---------------------------------|---|-------------------------------------|
| ISSUED March 10, 2005 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE EXPLOSION PROOF |
| TYPE AEHHXF | | CATALOG# XP0102C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 10 | 7.5 | 2 | 215TC | 230/460 | 60 | 40°C | F | B | CONT. | 1.15 |

TYPICAL PERFORMANCE

| FULL LOAD RPM | EFFICIENCY | | | | POWER FACTOR | | | MAXIMUM POWER FACTOR CORRECTION |
|---------------|-------------|-------------|-------------|-------------|--------------|------------|-----------------|---------------------------------|
| | FULL LOAD | | 3/4 LOAD % | 1/2 LOAD % | F. L. % | 3/4 LOAD % | 1/2 LOAD % | |
| | MIN. % | NOM. % | | | | | | |
| 3490 | 87.5 | 89.5 | 90.2 | 89.5 | 88 | 83 | 2.3 KVAR | |

CURRENTS

| NO LOAD | | | FULL LOAD | | | LOCKED ROTOR | | | NEMA KVA CODE LETTER |
|-------------|-------------|-------------|--------------|--------------|--------------|---------------|---------------|--------------|----------------------|
| AT | AT | AT | AT | AT | AT | AT | AT | AT | |
| 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | 208 VOLT | 230 VOLT | 460 VOLT | |
| 6.41 | 5.80 | 2.90 | 25.88 | 23.40 | 11.70 | 179.13 | 162.00 | 81.00 | H |

TORQUE

INERTIA

ACCEL TIME

| 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 15.04 | 200 | 160 | 250 | 0.512 | 11 | 18.00 | 4.16 | 6.69 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

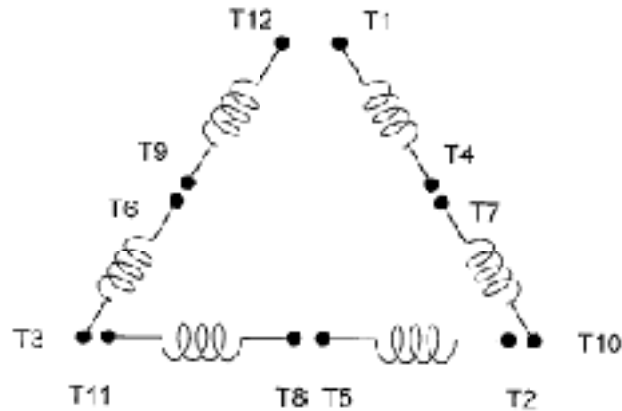
| | | | | |
|-----------|-----------|-----------|-----|----|
| COLD | HOT | COLD | HOT | 71 |
| 17 | 12 | 21 | | |

| | | | | |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057XP0102C | REVISION 0 |
|-----------|------------------|-------------|---------------------|-------------------|

DATE:
July 26, 2011

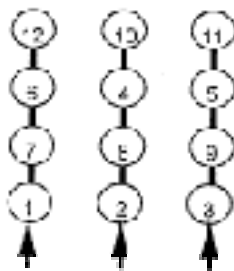
CONNECTION DIAGRAM

CATALOG NO.:
XP0102C



SCHEMATIC - ? / Y CONNECTION

ACROSS THE LINE CONNECTION

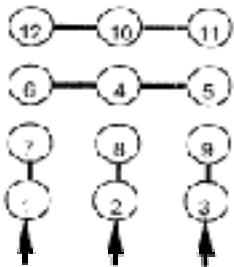


LINE
230 VOLT CONNECTION

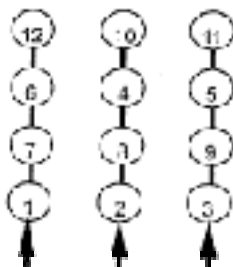


LINE
460 VOLT CONNECTION

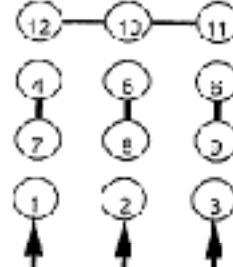
WYE START-DELTA RUN CONNECTION



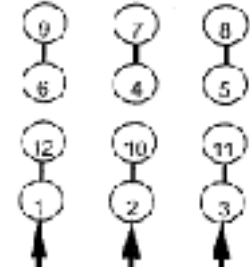
LINE
230 VOLT START



LINE
230 VOLT RUN



LINE
460 VOLT START



LINE
460 VOLT RUN



DWG NO.
DAC-1565-4