

DATE
AUG. 26, 2011

OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

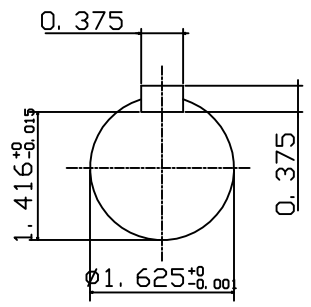
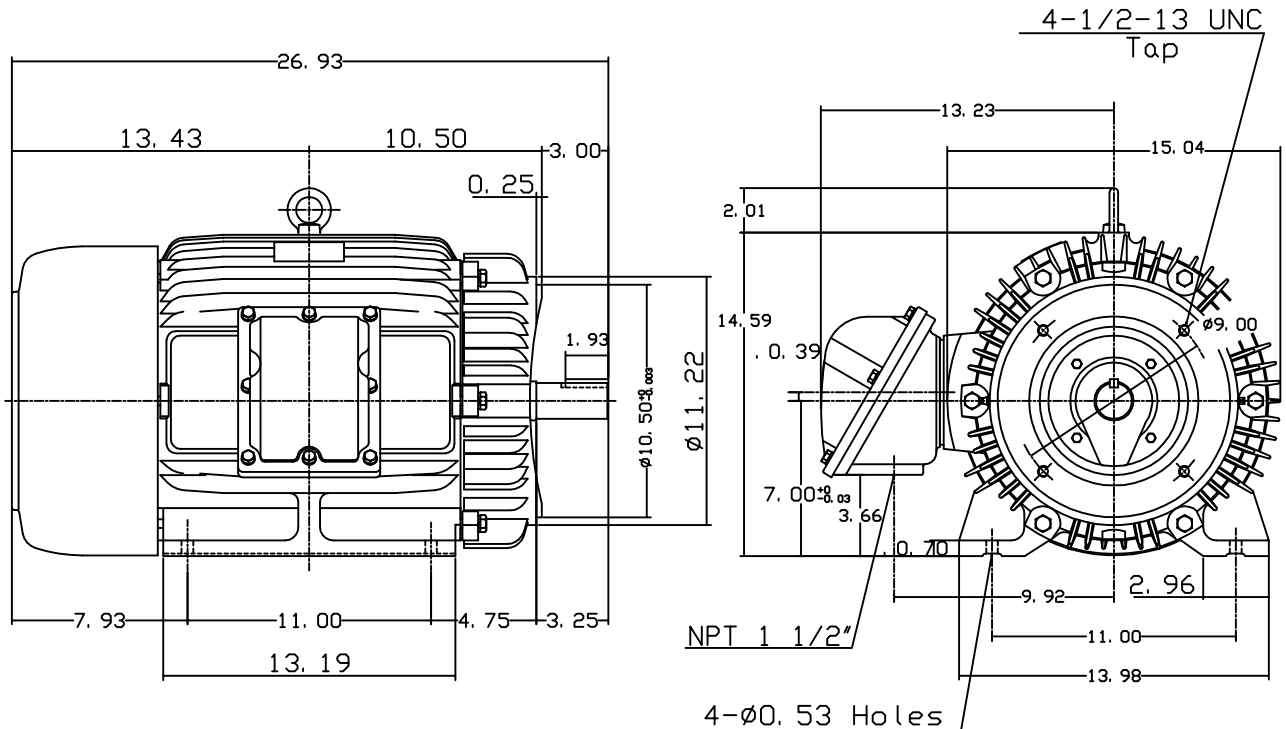
MOTOR TYPE:
AEHHXF
FRAME NO. 286TSC

CAT. #: XP0302C

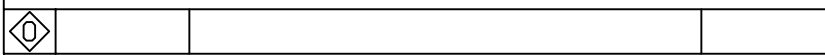
| Pole | HP | KW | Hz | VOLT | Syn. Speed r/min(rpm) |
|------|----|------|----|---------|--------------------------|
| 2 | 30 | 22.4 | 60 | 230/460 | 3600 |

| Ins | Rating | Dimension in | Approx Weight | Bearings |
|-----|--------|--------------|---------------|------------------------|
| F | CONT. | inches | 510 LBS | DE: 6211C3 NDE: 6211C3 |

Totally Enclosed Fan Cooled Type. Squirrel-cage Rotor.



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



| | | |
|-------|-------------|----------|
| DWN. | J. H. LIANG | 11-30-00 |
| CHKD. | C. H. KAO | 03-07-01 |
| APPD. | Y. B. HUANG | 03-07-01 |



DWG NO.
31049M628160

TECO Westinghouse

| | | |
|-------------------------------|---|-------------------------------------|
| ISSUED May 14, 2011 | PERFORMANCE DATA 3-PHASE INDUCTION MOTOR | ENCLOSURE EXPLOSION PROOF |
| TYPE AEHXXF | | CATALOG# XP0302C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|---------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 30 | 22.4 | 2 | 286TSC | 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. % | | | | | | |
| 3545 | 91 | 92.4 | 93 | 93 | 92 | 91.5 | 88 | 4.6 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 | |
| 12.72 | 11.50 | 5.75 | 72.98 | 66.00 | 33.00 | 481.01 | 435.00 | 217.50 | G |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 44.43 | 195 | 140 | 230 | 1.959 | 30 | 73.00 | 4.21 | 9.87 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | |
|-----------|-----------|----------|----------|--|
| 24 | 17 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057XP0302C | REVISION 0 |
|-----------|------------------|-------------|---------------------|-------------------|

DATE:
March 24, 2011

CONNECTION DIAGRAM

CATALOG NO.:
XP0302C



SCHEMATIC - Δ / Y CONNECTION

ACROSS THE LINE CONNECTION



LINE
230 VOLT CONNECTION



LINE
460 VOLT CONNECTION

***CONTACT TWMC IF YOU HAVE ANY QUESTIONS
REGARDING THE MOTOR CONNECTION.**

PH: 1-800-873-8326