

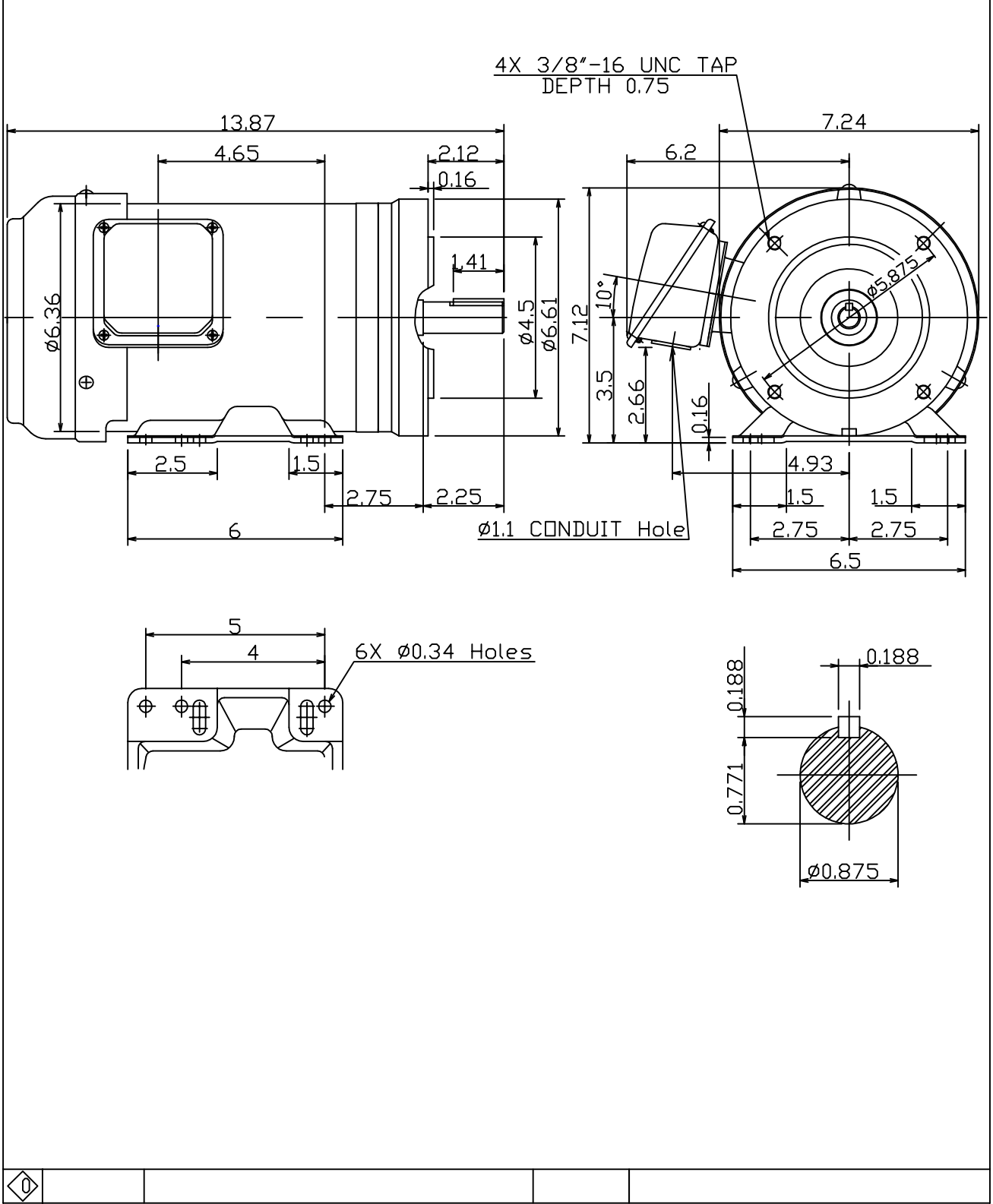
DATE
OCTOBER 19, 2009
CAT. #: GP0012C

OUTLINE DIMENSIONS
3-PHASE INDUCTION MOTOR

MOTOR TYPE:
AEGHCF
FRAME NO. 143TC

| Pole | HP | kW | Hz | VOLT | Syn.Speed r/min(rpm) |
|------|----|-----|----|---------|-------------------------|
| 2 | 1 | .75 | 60 | 230/460 | 3600 |

| Ins | Rating | Dimension in | Approx Weight | Bearings |
|-----|--------|--------------|---------------|------------------------|
| F | CONT. | inch. | 29 lbs. | DE: 6205ZZ NDE: 6204ZZ |



| | | |
|-------|----------|----------|
| DWN. | Y.Y.CHEN | 09-22-09 |
| CHKD. | C.Y.CHEN | 09-23-09 |
| APPD. | M.C.TSAI | 09-23-09 |



DWG NO.
31049Z107730

TECO Westinghouse

| | | |
|---------------------------|--------------------------------|----------------------------|
| ISSUED 12/27/13 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEGH-CF | 3-PHASE INDUCTION MOTOR | CATALOG# GP0012C |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|----------|-------------|----------|-------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 1 | 0.75 | 2 | 143T | 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. % | | | | | | |
| 3480 | 75.5 | 78.5 | 77.0 | 73.0 | 83.0 | 75.5 | 63.0 | 0.47 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 | |
| 1.14 | 1.40 | 0.70 | 3.18 | 2.87 | 1.44 | 27.13 | 30.00 | 15.00 | N |

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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 1.51 | 170 | 150 | 275 | 0.032 | 1.2 | 4 | 4.37 | 14.31 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

SOUND PRESSURE LEVEL @ 3 FT dB(A)

| COLD | HOT | COLD | HOT | 60 |
|-----------|-----------|----------|----------|----|
| 23 | 16 | 2 | 1 | |

| | | | | |
|-----------|------------------|-------------|---------------------|-------------------|
| APPROVED: | M. PRATER | DRAWING NO. | 31057GP0012C | REVISION 0 |
|-----------|------------------|-------------|---------------------|-------------------|

DATE:
May 28, 2009

CONNECTION DIAGRAM

CATALOG NO.:
GP0024C



SCHEMATIC - 2Y/Y CONNECTION

ACROSS THE LINE CONNECTION



LINE
230 VOLT CONNECTION



LINE
460 VOLT CONNECTION

TECO  **Westinghouse**

DWG NO.
DAC-1566-2