

TECO Westinghouse

OUTLINE DIMENSIONS

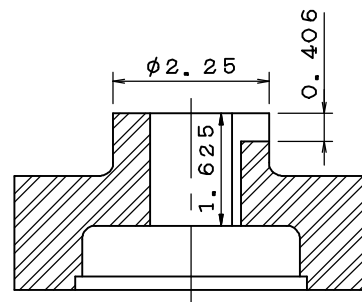
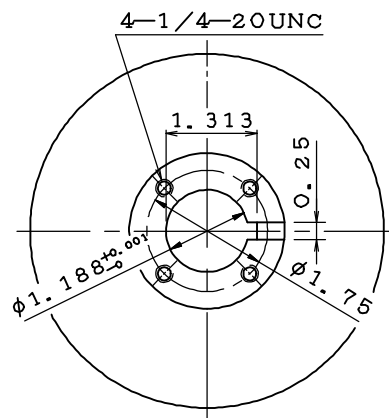
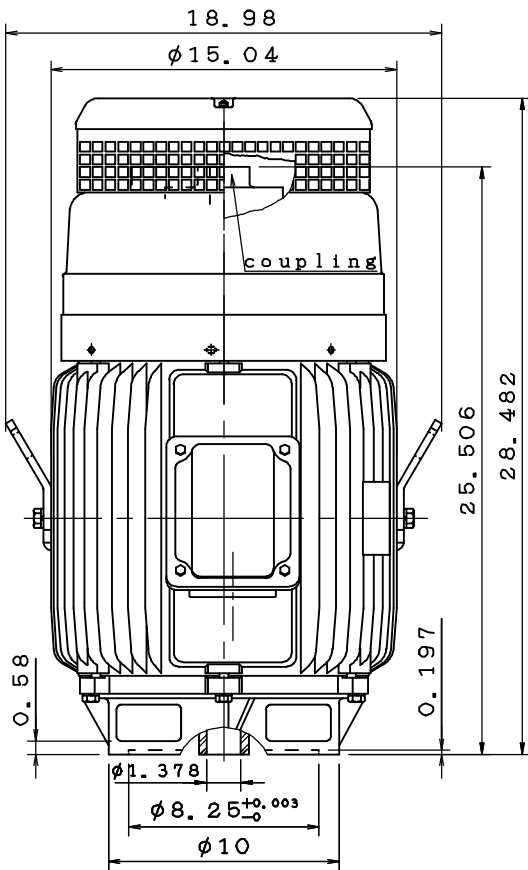
MOTOR TYPE:
AEEHNH
FRAME NO. 286TP

DATE 05/25/2017

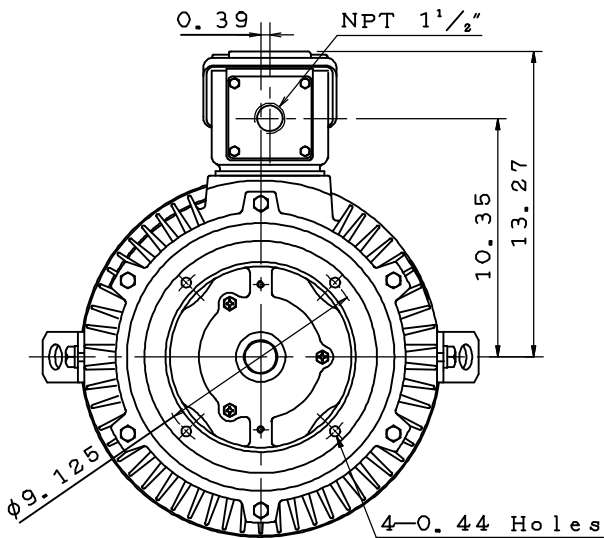
3-PHASE INDUCTION MOTOR

| Pole | HP | kW | Hz | VOLT | r/min(rpm) |
|------|--------|--------------|---------------|------------------------|------------|
| 6 | 20 | 14.92 | 60 | 230/460 | 1200 |
| Ins | Rating | Dimension in | Approx Weight | Bearings | |
| F | CONT. | inches | 550 | DE:6311ZZC3 NDE:7312BE | |

Totally Enclosed Fan-Cooled Vertical Type. Squirrel-cage Rotor.



Coupling Dimension



- Note:
1. IP44 Protection.
 2. Rotation:C. C. W. (View from Top)
 3. With Ball Type N. R. R.
 4. Thrust:3350lbs. (L₁₀:8800 hours)

TA17129-00-00



CATALOG# VHTP0206

| | | |
|-------|-----|----------|
| DWG. | 周書緯 | 04.20.17 |
| CHKD. | 徐聰豪 | 04.28.17 |
| APPD. | 徐聰豪 | 04.28.17 |

TECO Westinghouse

DWG NO.
31057A478300

TECO Westinghouse

| | | |
|-----------------------------------|--------------------------------|-----------------------------|
| ISSUED January 17, 2017 | PERFORMANCE DATA | ENCLOSURE TEFC |
| TYPE AEEHNH | 3-PHASE INDUCTION MOTOR | CATALOG# VHTP0206 |

NAMEPLATE INFORMATION

| OUTPUT | | POLE | FRAME SIZE | VOLTAGE | HZ | RATED AMBIENT | INS. CLASS | NEMA DESIGN | TIME RATING | SERVICE FACTOR |
|-----------|-------------|----------|--------------|----------------|-----------|---------------|------------|-------------|--------------|----------------|
| HP | KW | | | | | | | | | |
| 20 | 14.9 | 6 | 286TP | 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. % | | | | | | |
| 1170 | 90.2 | 91.7 | 92.4 | 92.4 | 84.0 | 81.0 | 73.0 | 6.0 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 | |
| 18.3 | 15.0 | 7.5 | 54 | 49 | 24 | 321 | 290 | 145 | 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 |
|-----------------|-------------------|--------------|-----------------|--|--|--|-------------------------------|-----------------------------------|
| 90 | 210 | 160 | 225 | 8.34 | 262 | 610 | 5.75 | 13.14 |

SAFE STALL TIME IN SECONDS

ALLOWABLE STARTS PER HOUR

COLD

HOT

COLD

HOT

35

25

2

1

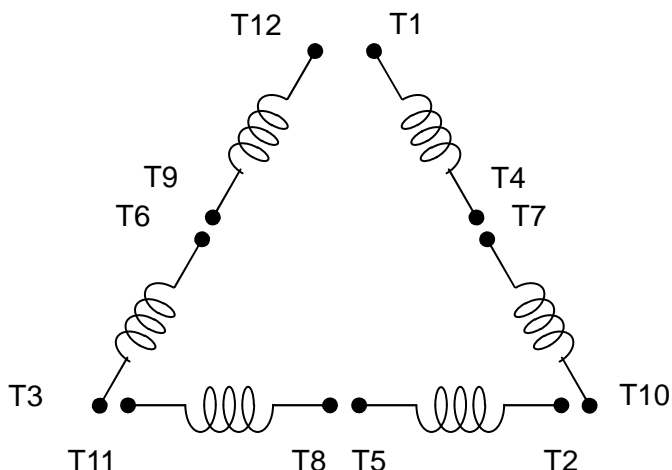
APPROVED:

M. PRATER

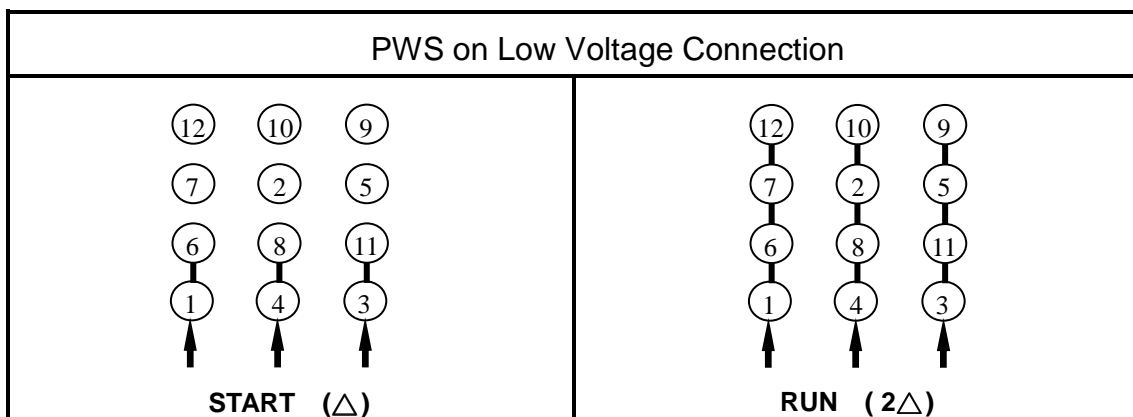
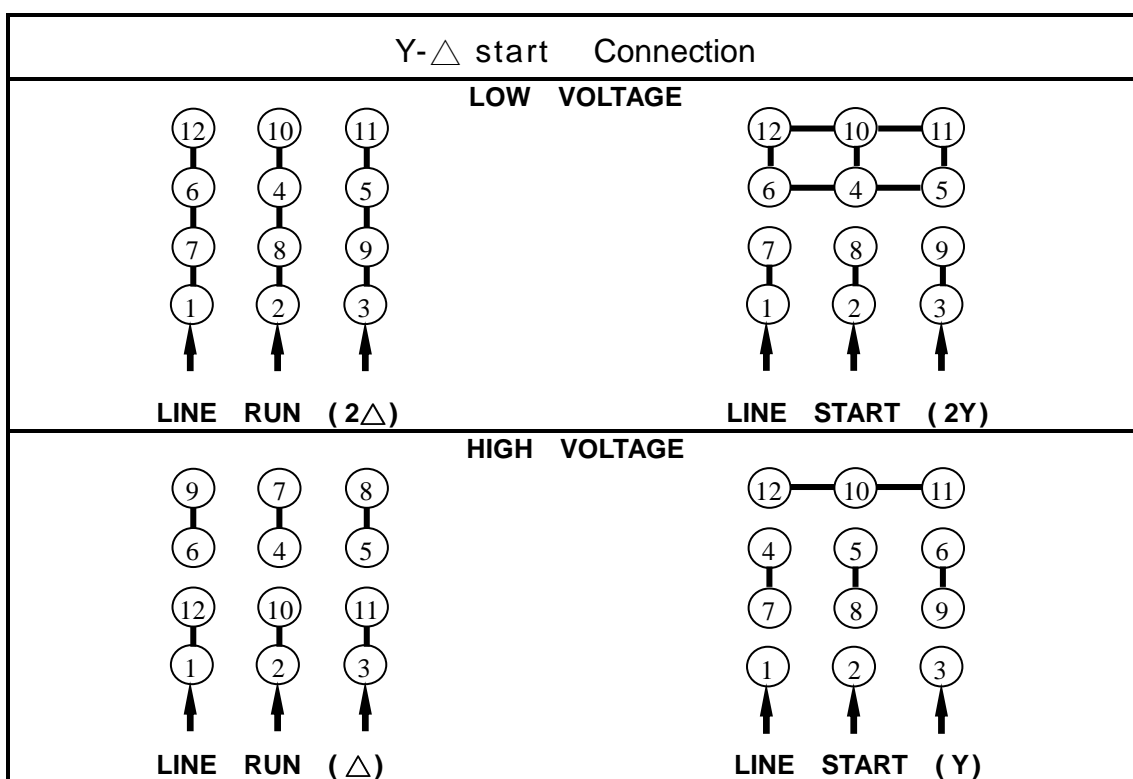
DRAWING NO.

31057VHTP0206

REVISION **0**



SCHEMATIC – 2Δ/2Y/Δ/Y CONNECTION



| | | | | |
|-------|-----------|------------|--|----------|
| APPD. | M.C.Tsai | May,01,'09 | TECO Electric & Machinery Co., Ltd. | DWG NO : |
| CHKD. | C.L.Huang | May,01,'09 | | DAC-1705 |
| DWN. | J.C.Lan | May,01,'09 | | |