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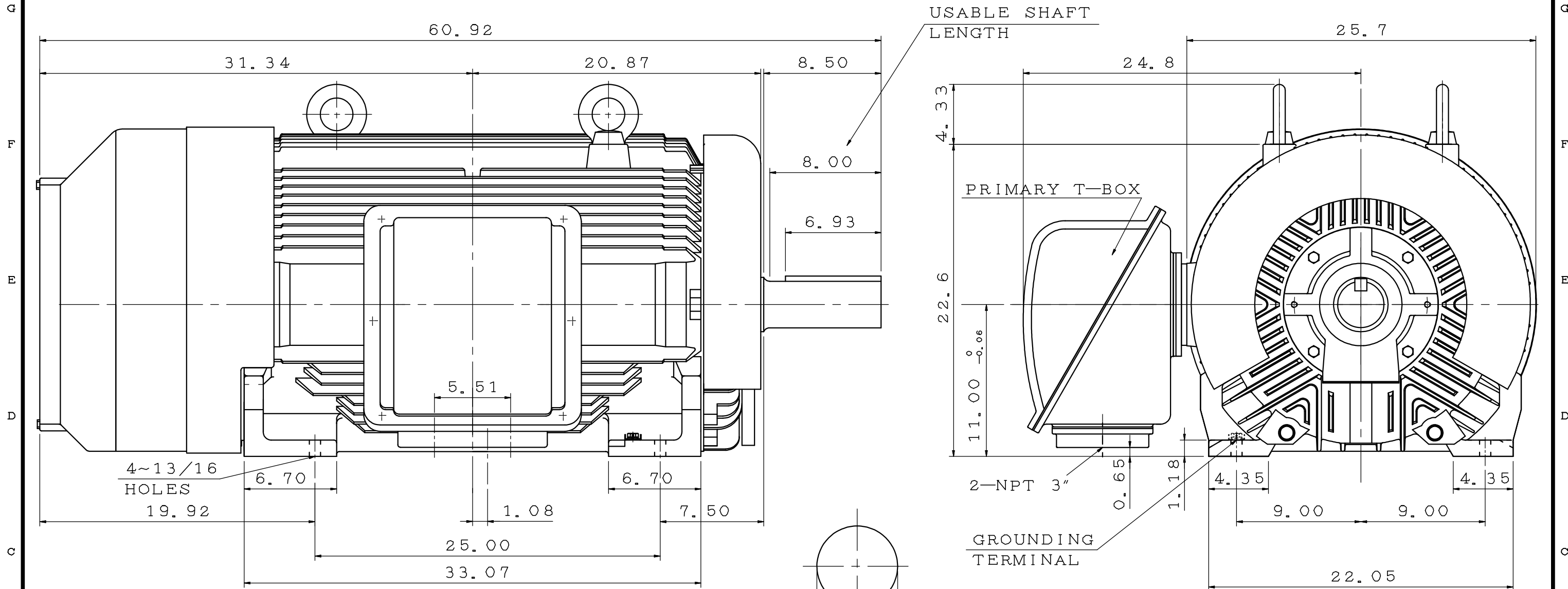
4

3

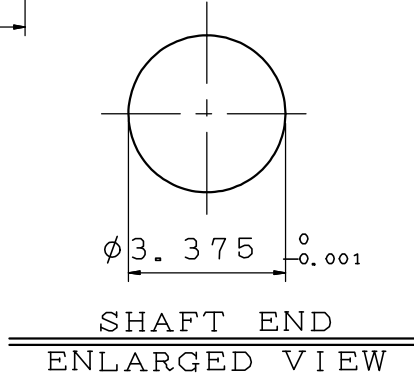
2

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| POLE | HP | kW | Hz | VOLT | r/min(RPM) | INS | RATING | DIMENSION IN | APPROX WEIGHT | BEARINGS |
|------|-----|----|----|------|------------|-----|--------|--------------|---------------|--------------------|
| 6 | 300 | . | 60 | 460 | 1200 | F | CONT. | INCH | 3055 LB | DE: 6320 NDE: 6316 |



- NOTE:
1. FOR DIRECT FLEXBLE COUPLING
 2. ENCLOSURE: IP55 PROTECTION
 3. NON-SPARKING FAN



| OUTLINE DIMENSIONS 3-PHASE INDUCTION MOTOR | | | |
|-----------------------------------------------|------------|--------------|-------------------------|
| MOTOR TYPE | AEHH8N-11- | FRAME NO. | 449T(X) |
| CUSTOMER | . | DATE | . |
| ORDER NO. | . | TRANS. SHEET | . |
| TECO Westinghouse | | | DWG NO. 31057C578510 |

| | | |
|-------|------------|----------|
| APPD. | M. C. JENG | 01-21-20 |
| CHKD. | M. C. JENG | 01-21-20 |
| DWG. | H. S. Hsu | 01-21-20 |

第三角法

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|----------------------|-------------------------------------------------------------------------------------|----------------------------|
| ISSUED 19-Mar-14 | PERFORMANCE DATA 3-PHASE SQUIRREL CAGE HIGH EFFICIENCY INDUCTION MOTOR | MODEL AEHH8N-□□□ |
| REVISED 12-Oct-20 | | |



TEFC, NEMA T-FRAME, DESIGN - B, ee C C 0 0 2 A
 CLASS F, 40°C AMBIENT, CONTINUOUS DUTY,
 S.F. 1.15 460V 60Hz

TYPICAL PERFORMANCE (460 V)

| HP | FULL LOAD RPM | FRAME SIZE | EFFICIENCY(%) | | | | POWER FACTOR(%) | | | CURRENT | | | TORQUE | | | | ROTOR WK ² lb-ft ² | NEMA CODE LETTER | APPROX. WEIGHT LBS |
|-----|---------------|------------|---------------|------|----------|----------|-----------------|----------|----------|---------------|------------------|------------------|-----------------|-------------------|--------------|-----------------|------------------------------------------|------------------|--------------------|
| | | | FULL LOAD | | 3/4 LOAD | 1/2 LOAD | FULL LOAD | 3/4 LOAD | 1/2 LOAD | FULL LOAD (A) | 208V USABLE ON-A | LOCKED ROTOR (A) | FULL LOAD lb-ft | LOCKED ROTOR %FLT | PULL UP %FLT | BREAK DOWN %FLT | | | |
| | | | NOM. | MIN. | NOM. | NOM. | | | | | | | | | | | | | |
| 60 | 3550 | 364TS | 94.1 | 93.0 | 94.5 | 94.1 | 93.0 | 92.0 | 88.5 | 64.2 | 142 | 435 | 88.74 | 145 | 130 | 240 | 7.379 | G | 782 |
| | 1775 | 364T | 95.0 | 94.1 | 95.0 | 94.5 | 86.5 | 83.0 | 75.5 | 68.4 | 151 | 435 | 177.5 | 200 | 155 | 240 | 12.23 | G | 800 |
| | 1180 | 404T | 94.5 | 93.6 | 94.5 | 94.1 | 87.0 | 86.5 | 80.5 | 68.3 | 151 | 435 | 267.0 | 200 | 185 | 245 | 33.54 | G | 1261 |
| | 885 | 405T | 93.0 | 91.7 | 93.6 | 93.6 | 81.0 | 78.0 | 68.0 | 74.6 | 165 | 435 | 356.0 | 200 | 180 | 230 | 32.55 | G | 1356 |
| 75 | 3555 | 365TS | 94.5 | 93.6 | 95.0 | 95.0 | 93.0 | 92.5 | 89.0 | 79.9 | 177 | 543 | 110.8 | 145 | 130 | 250 | 9.056 | G | 841 |
| | 1775 | 365T | 95.4 | 94.5 | 95.4 | 95.0 | 86.5 | 83.5 | 75.5 | 85.1 | 188 | 543 | 221.9 | 200 | 165 | 250 | 14.67 | G | 936 |
| | 1180 | 405T | 94.5 | 93.6 | 94.5 | 94.5 | 86.5 | 84.5 | 79.0 | 85.9 | 190 | 543 | 333.7 | 200 | 175 | 225 | 37.86 | G | 1356 |
| | 885 | 444T | 93.6 | 92.4 | 93.0 | 91.7 | 79.0 | 76.0 | 67.0 | 95.0 | 210 | 543 | 445.0 | 130 | 110 | 210 | 55.10 | G | 1467 |
| 100 | 3560 | 405TS | 95.4 | 94.5 | 95.8 | 95.4 | 92.0 | 91.5 | 88.5 | 107 | 236 | 725 | 147.5 | 140 | 125 | 270 | 10.77 | G | 1233 |
| | 1775 | 405T | 95.4 | 94.5 | 95.4 | 95.0 | 87.5 | 85.5 | 80.0 | 112 | 248 | 725 | 295.8 | 215 | 140 | 215 | 26.64 | G | 1301 |
| | 1181 | 444T | 95.0 | 94.1 | 94.5 | 93.6 | 82.5 | 80.0 | 73.0 | 119 | 264 | 725 | 444.6 | 140 | 110 | 230 | 56.00 | G | 1575 |
| | 885 | 445T | 93.6 | 92.4 | 93.0 | 91.7 | 79.0 | 76.5 | 68.0 | 127 | 280 | 725 | 593.3 | 130 | 110 | 210 | 72.80 | G | 1718 |
| 125 | 3563 | 444TS | 95.0 | 94.1 | 94.5 | 93.6 | 86.0 | 83.5 | 80.0 | 143 | 317 | 910 | 184.2 | 110 | 88 | 220 | 16.60 | G | 1498 |
| | 1780 | 444T | 95.4 | 94.5 | 95.0 | 94.1 | 85.0 | 83.0 | 77.0 | 144 | 319 | 910 | 368.7 | 130 | 100 | 220 | 44.30 | G | 1619 |
| | 1182 | 445T | 95.0 | 94.1 | 94.5 | 93.6 | 83.0 | 80.5 | 74.0 | 148 | 328 | 910 | 555.3 | 140 | 110 | 230 | 68.00 | G | 1795 |
| | 888 | 447T | 94.1 | 93.0 | 93.6 | 92.1 | 80.0 | 77.0 | 69.0 | 155 | 344 | 910 | 739.1 | 120 | 100 | 200 | 141.0 | G | 2026 |
| 150 | 3566 | 445TS | 95.0 | 94.1 | 94.5 | 93.6 | 87.0 | 84.5 | 81.0 | 170 | --- | 1085 | 220.9 | 110 | 88 | 220 | 20.00 | G | 1588 |
| | 1783 | 445T | 95.8 | 95.0 | 95.4 | 94.5 | 85.0 | 83.0 | 78.0 | 172 | --- | 1085 | 441.7 | 130 | 100 | 220 | 52.00 | G | 1703 |
| | 1185 | 447T | 95.8 | 95.0 | 95.4 | 94.5 | 83.5 | 81.0 | 74.0 | 176 | --- | 1085 | 664.6 | 135 | 105 | 220 | 103.0 | G | 2059 |
| | 888 | 449T | 94.1 | 93.0 | 93.6 | 92.1 | 80.0 | 77.0 | 69.0 | 187 | --- | 1085 | 886.9 | 120 | 100 | 200 | 166.0 | G | 2281 |
| 200 | 3572 | 447TS | 95.4 | 94.5 | 95.0 | 94.1 | 89.0 | 85.0 | 81.0 | 221 | --- | 1450 | 294.0 | 104 | 83 | 210 | 32.00 | G | 1916 |
| | 1785 | 447T | 96.2 | 95.4 | 95.8 | 95.0 | 87.0 | 83.5 | 78.5 | 224 | --- | 1450 | 588.3 | 120 | 95 | 210 | 73.50 | G | 2004 |
| | 1186 | 449T | 95.8 | 95.0 | 95.4 | 94.5 | 84.0 | 81.0 | 74.0 | 233 | --- | 1450 | 885.4 | 135 | 105 | 210 | 125.0 | G | 2272 |
| | 888 | 449T | 94.5 | 93.5 | 94.1 | 93.0 | 80.0 | 77.0 | 69.0 | 248 | --- | 1450 | 1183 | 120 | 100 | 200 | 221.0 | G | 2598 |
| 250 | 3575 | 449TS | 95.8 | 95.0 | 95.4 | 94.5 | 89.8 | 86.0 | 82.0 | 272 | --- | 1825 | 367.2 | 103 | 83 | 210 | 44.00 | G | 2132 |
| | 1787 | 449T | 96.2 | 95.4 | 95.8 | 95.0 | 88.0 | 84.5 | 80.0 | 277 | --- | 1825 | 734.5 | 110 | 90 | 210 | 83.00 | G | 2312 |
| | 1188 | 449T | 95.8 | 95.0 | 95.4 | 94.5 | 84.5 | 82.0 | 74.5 | 289 | --- | 1825 | 1105 | 110 | 90 | 210 | 140.0 | G | 2466 |
| | 3580 | 449TS | 95.8 | 95.0 | 95.4 | 94.5 | 90.2 | 86.5 | 82.5 | 325 | --- | 2200 | 440.0 | 102 | 81 | 210 | 52.50 | G | 2312 |
| 300 | 1788 | 449T | 96.2 | 95.4 | 95.8 | 95.0 | 88.0 | 84.5 | 80.0 | 332 | --- | 2200 | 881.0 | 100 | 85 | 210 | 107.0 | G | 2532 |
| | 1188 | 449T | 95.8 | 95.0 | 95.4 | 94.5 | 84.5 | 82.0 | 74.5 | 347 | --- | 2200 | 1326 | 100 | 85 | 210 | 199.0 | G | 2708 |
| | 1188 | 449T(X) | 95.8 | 95.0 | 95.4 | 94.5 | 84.5 | 81.0 | 73.0 | 347 | --- | 2200 | 1326 | 150 | 120 | 250 | 199.0 | G | 3130 |
| | 3583 | 449TS | 95.8 | 95.0 | 95.4 | 94.5 | 90.2 | 86.5 | 82.5 | 379 | --- | 2550 | 512.9 | 102 | 81 | 210 | 62.00 | G | 2826 |
| 350 | 1788 | 449T | 96.2 | 95.4 | 95.8 | 95.0 | 88.0 | 84.5 | 80.0 | 387 | --- | 2550 | 1028 | 100 | 85 | 210 | 124.00 | G | 2937 |
| | 3579 | 449TS(X) | 95.8 | 95.0 | 96.4 | 95.7 | 91.0 | 87.5 | 83.0 | 372 | --- | 2350 | 513.5 | 120 | 100 | 300 | 57.40 | G | 3000 |
| | 1789 | 449T(X) | 96.2 | 96.2 | 96.2 | 95.7 | 89.0 | 86.5 | 80.0 | 384 | --- | 2450 | 1027 | 150 | 130 | 350 | 126.0 | G | 3186 |
| | 3575 | 449TS | 95.8 | 95.0 | 95.7 | 95.5 | 91.0 | 90.0 | 89.0 | 429 | --- | 2900 | 587.5 | 160 | 130 | 300 | 64.60 | G | 2930 |
| 400 | 1785 | 449T | 96.2 | 95.4 | 96.0 | 95.8 | 84.0 | 82.0 | 79.0 | 460 | --- | 2900 | 1177 | 140 | 110 | 300 | 135.0 | G | 3080 |
| | 3576 | 449TS(X) | 95.8 | 95.0 | 96.0 | 95.5 | 88.5 | 87.5 | 83.0 | 438 | --- | 2600 | 587.3 | 160 | 130 | 300 | 69.77 | G | 3045 |
| | 1788 | 449T(X) | 96.2 | 95.4 | 96.4 | 96.1 | 88.9 | 86.8 | 80.9 | 437 | --- | 2900 | 1175 | 140 | 120 | 350 | 146.3 | G | 3342 |

- NOTE :
- The above are typical values based on test according to ANSI/IEEE standard 112 method B.
 - Breakdown & locked rotor torques are shown as average expected values.
 - Efficiency, power factor, speed and torque are the same for other voltages.
Current values vary inversely with voltage.
 - Tolerance according to NEMA MG1-12 & IEC 60034-1.
 - Data subject to change without notice.

| | | | | | |
|-------|------------|-----------|------------------------------------------------|----------|--------------------|
| APPD. | Jason Wang | 23-Oct-20 | TECO Electric & Machinery Co., Ltd. | DWG. NO. | 31057D98649 |
| CHKD. | Shian.Jeng | 23-Oct-20 | | REV. 05 | |
| DWN. | C.T. CHEN | 15-Apr-20 | | 2/2 | |

TECO

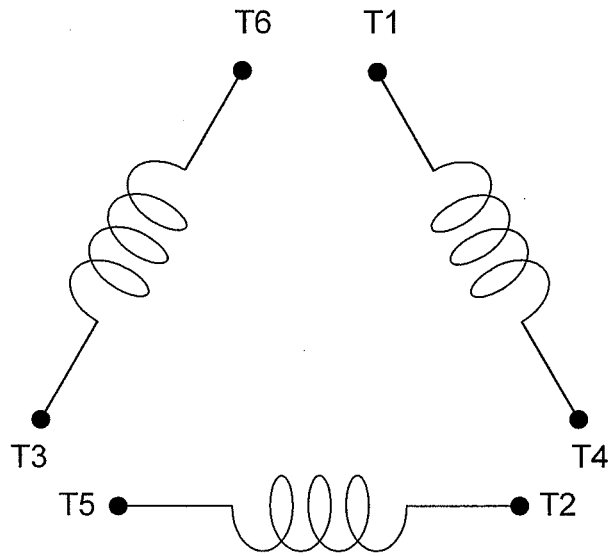
CONNECTION DIAGRAM

MODEL

DATE :
DEC.04.'02

For Δ/Δ connection

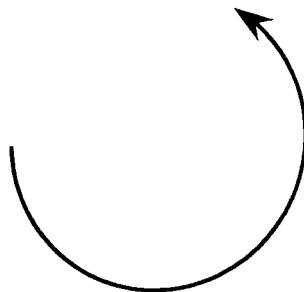
DAC-1545-1



SCHEMATIC - Δ/Δ CONNECTION

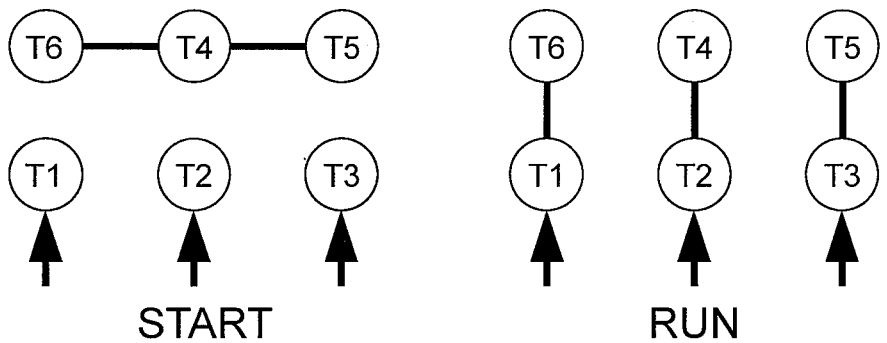
ROTATION

(VIEWED FROM DRIVE END)

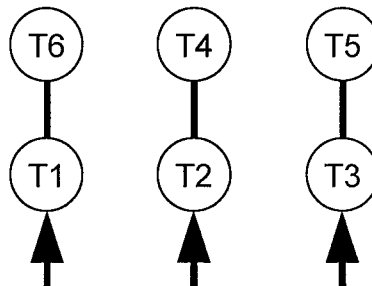


CONNECTION

$\Delta-\Delta$ START



ACROSS-THE-LINE



| | | |
|-----|-----|------------|
| 承 認 | | |
| 審 核 | 蔡 | Dec.05.02 |
| 校 對 | 林 | Dec.04.02 |
| 繪 製 | 林賢龍 | DEC,04,'02 |

東元電機股份有限公司
TECO ELECTRIC & MACHINERY CO., LTD.
 TAIWAN R.O.C.

圖 號：
DAC-1545-1