



財團法人全國認證基金會
Taiwan Accreditation Foundation

認證證書

(證書編號：L1473-240308)

茲證明

中興電工機械股份有限公司

空調設備測試實驗室

桃園市龜山區文德路 25 號

為本會認證之實驗室

認證依據：ISO/IEC 17025：2017；CNS 17025：2018

認證編號：1473

初次認證日期：九十五年三月二十九日

認證有效期間：一百一十三年三月二十九日至一百一十六年三月二十八日止

認證範圍：測試領域，如續頁

董事長

陳怡鈴



掃描確認真偽

中華民國一一三年三月八日

認證編號：1473

實驗室主管：詹貽茜

■ 19.08 電子與電機

空氣調節機

E005 能源效率比

CNS 3615

CNS 14464

CNS 15173

報告簽署人：江斌誠；黃宗榮；劉冠仲；謝建興

E007 冷氣消耗電功率

CNS 3615

CNS 14464

CNS 15173

1 ϕ /3 ϕ , 50 Hz/60 Hz, 50 kW Max.

報告簽署人：江斌誠；黃宗榮；劉冠仲；謝建興

M204 水頭損失

CNS 3615

CNS 14464

CNS 15173

水冷：≤141 kW (120960 kcal/h, 40 RT)

氣冷：≤35.2 kW (30240 kcal/h, 10 RT)

(0 to 588) kPa

報告簽署人：江斌誠；黃宗榮；劉冠仲；謝建興

T004 冷氣能力

CNS 3615

CNS 14464

CNS 15173

水冷：≤141 kW (120960 kcal/h, 40 RT)

氣冷：≤35.2 kW (30240 kcal/h, 10 RT)

報告簽署人：江斌誠；黃宗榮；劉冠仲；謝建興

■ 19.08 電子與電機

送風機

E007 冷氣消耗電功率

AHRI 440

CNS 14464

CNS 15173

1 ϕ /3 ϕ , 50 Hz/60 Hz, 50 kW Max.

報告簽署人：江斌誠；黃宗榮；劉冠仲；謝建興



M204 水頭損失
AHRI 440
CNS 14464
CNS 15173
10 kW to 141 kW (3 RT to 40 RT)
(0 to 588) kPa

報告簽署人: 黃宗榮; 劉冠伸

T004 冷氣能力
AHRI 440
CNS 14464
CNS 15173
10 kW to 141 kW (3 RT to 40 RT)

報告簽署人: 江斌誠; 黃宗榮; 劉冠伸; 謝建興

19.08 電子與電機

蒸氣壓縮式冰水機組

E007 消耗功率

CNS 12575 (水冷式含 IPLV, 氣冷式不含 IPLV)
AHRI 551/591 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590: 2003 (氣冷式不含 IPLV)
3 ϕ , 220 V to 460 V, 50 Hz/60 Hz, 400 kW Max.

報告簽署人: 江斌誠; 黃宗榮; 劉冠伸; 謝建興

T004 製冷能力
CNS 12575 (水冷式含 IPLV, 氣冷式不含 IPLV)
AHRI 551/591 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590: 2003 (氣冷式不含 IPLV)
水冷: (10.55 to 2286) kW ((9072 to 1965600) kcal/h, (3 to 650) RT)
氣冷: (17.6 to 211) kW ((15120 to 181440) kcal/h, (5 to 60) RT)

報告簽署人: 江斌誠; 黃宗榮; 劉冠伸; 謝建興

T006 能源效率
CNS 12575 (水冷式含 IPLV, 氣冷式不含 IPLV)
AHRI 551/591 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)
AHRI 550/590: 2003 (氣冷式不含 IPLV)

報告簽署人: 江斌誠; 黃宗榮; 劉冠伸; 謝建興



19.08 電子與電機

蒸氣壓縮機式冰水機組

M204 水頭損失

CNS 12575 (水冷式含 IPLV, 氣冷式不含 IPLV)

AHRI 551/591 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)

AHRI 550/590 (水冷式含 IPLV, NPLV; 氣冷式不含 IPLV, NPLV)

AHRI 550/590: 2003 (氣冷式不含 IPLV)

水冷: (10.55 to 2286) kW (9072 to 1965600) kcal/h, (3 to 650) RT)

氣冷: (17.6 to 211) kW ((15120 to 181440) kcal/h, (5 to 60) RT)

(0 to 588) kPa

報告簽署人: 江斌誠; 黃宗榮; 劉冠伸; 謝建興

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TAF





財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No : L1473-240308)

This is to certify that

Chung-Hsin Electric & Machinery Mfg. Corp.
Testing Laboratory of Air-Conditioning and Refrigerating Equipment
No.25, Wende Rd., Guishan District, Taoyuan City 33383, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 1473

Originally Accredited : March 29, 2006

Effective Period : March 29, 2024 to March 28, 2027

Accredited Scope : Testing Field, see described in the Appendix

Yi-Ling Chen



Scan to verify

Yi-Ling Chen
President, Taiwan Accreditation Foundation
March 08, 2024

Accreditation Number : 1473

Laboratory Head : CHAN, Yi-Chien

■ 19. 08 Electronic and Electric
Air Conditioners
E005 Energy Efficiency Ratio
CNS 3615
CNS 14464
CNS 15173

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

E007 Electrical Power Consumption Rate, Cooling
CNS 3615
CNS 14464
CNS 15173
1 ϕ /3 ϕ , 50 Hz/60 Hz, 50 kW Max.

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

M204 Water Pressure Drop
CNS 3615
CNS 14464
CNS 15173
Water Cooled: ≤ 141 kW (120960 kcal/h, 40 RT)
Air-Cooled: ≤ 35.2 kW (30240 kcal/h, 10 RT)
(0 to 588) kPa

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

T004 Cooling Capacity
CNS 3615
CNS 14464
CNS 15173
Water Cooled: ≤ 141 kW (120960 kcal/h, 40 RT)
Air-Cooled: ≤ 35.2 kW (30240 kcal/h, 10 RT)

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

■ 19. 08 Electronic and Electric
Air-Handling Units
E007 Electrical Power Consumption Rate, Cooling
AHRI 440
CNS 14464
CNS 15173
P2, total 4 pages



1 ϕ /3 ϕ , 50 Hz/60 Hz, 50 kW Max.

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

M204 Water Pressure Drop

AHRI 440

CNS 14464

CNS 15173

10 kW to 141 kW (3 RT to 40 RT)

(0 to 588) kPa

Approval Signatory: HUANG, Zong-Rong; LIU, Guan-Shen

T004 Cooling Capacity

AHRI 440

CNS 14464

CNS 15173

10 kW to 141 kW (3 RT to 40 RT)

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

19.08 Electronic and Electric

Water Chilling packages using the vapor compression cycle

E007 Power Input

CNS 12575 (Water-cooled include IPLV, Air-cooled not include IPLV)

AHRI 551/591 (Water-cooled include IPLV, NPLV; Air-cooled not include IPLV, NPLV)

AHRI 550/590 (Water-cooled include IPLV, NPLV; Air-cooled not include IPLV, NPLV)

AHRI 550/590: 2003 (Air-cooled not include IPLV)

3 ϕ , 220 V to 460 V, 50 Hz/60 Hz, 400 kW Max.

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

M204 Water Pressure Drop

CNS 12575 (Water-cooled include IPLV, Air-cooled not include IPLV)

AHRI 551/591 (Water-cooled include IPLV, NPLV, Air-cooled not include IPLV, NPLV)

AHRI 550/590 (Water-cooled include IPLV, NPLV, Air-cooled not include IPLV, NPLV)

AHRI 550/590: 2003 (Air-cooled not include IPLV)

Water-Cooled: (10.55 to 2286) kW (9072 to 1965600) kcal/h, (3 to 650) RT)

Air-Cooled: (17.6 to 211) kW ((15120 to 181440) kcal/h, (5 to 60) RT)

(0 to 588) kPa

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

T004 Refrigeration Capacity

CNS 12575 (Water-cooled include IPLV, Air-cooled not include IPLV)

AHRI 551/591 (Water-cooled include IPLV, NPLV, Air-cooled not include IPLV, NPLV)

AHRI 550/590 (Water-cooled include IPLV, NPLV, Air-cooled not include IPLV, NPLV)

AHRI 550/590: 2003 (Air-cooled not include IPLV)

Water-Cooled: (10.55 to 2286) kW (9072 to 1965600) kcal/h, (3 to 650) RT)

P3, total 4 pages



Air-Cooled: (17.6 to 211) kW ((15120 to 181440) kcal/h, (5 to 60) RT)

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

T006 Energy Efficiency

CNS 12575 (Water-cooled include IPLV; Air-cooled not include IPLV)

AHRI 551/591 (Water-cooled include IPLV, NPLV; Air-cooled not include IPLV, NPLV)

AHRI 550/590 (Water-cooled include IPLV, NPLV; Air-cooled not include IPLV, NPLV)

AHRI 550/590: 2003 (Air-cooled not include IPLV)

Approval Signatory: CHENG, Pin-Cheng; HUANG, Zong-Rong; LIU, Guan-Shen;
HSIEH, Chien-Hsing

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