



PFFY-P-VLEM-E



PFFY-P-VLRM-E

**PFFY-P-VLEM-E**  
**PFFY-P-VLRM-E**

|  |          |
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|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                | 0.8HP | 1.0HP | 1.3HP | 1.6HP | 2.0HP | 2.5HP | 2.8HP | 3.2HP | 4.0HP | 5.0HP | 5.6HP | 8.0HP | 10.0HP |
| PFFY-P-VLEM-E  | ●     | ●     | ●     | ●     | ●     | ●     |       |       |       |       |       |       |        |
| PFFY-P-VLRM-E  | ●     | ●     | ●     | ●     | ●     | ●     |       |       |       |       |       |       |        |

# 1. SPECIFICATIONS

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| Model   |                                |                      | PFFY-P20VLEM-E  | PFFY-P25VLEM-E                 | PFFY-P32VLEM-E                 | PFFY-P40VLEM-E                 |               |
|---|--------------------------------|----------------------|---|--------------------------------|--------------------------------|--------------------------------|---------------|
| Power source  |                                |                      | 1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz  |                                |                                |                                |               |
| Cooling capacity<br>(Nominal)                             | *1                             | kW                   | 2.2   | 2.8                            | 3.6                            | 4.5                            |               |
|   |                                | kcal / h             | 1,900   | 2,400                          | 3,100                          | 3,900                          |               |
|   |                                | Btu / h              | 7,500   | 9,600                          | 12,300                         | 15,400                         |               |
|   | *2                             | kcal / h             | 2,000   | 2,500                          | 3,150                          | 4,000                          |               |
|   |                                | Power input          | kW  | 0.04 / 0.06                    | 0.04 / 0.06                    | 0.06 / 0.07                    | 0.065 / 0.075 |
| Current input   |                                | A                    | 0.19 / 0.25   | 0.19 / 0.25                    | 0.29 / 0.30                    | 0.32 / 0.33                    |               |
| Heating capacity<br>(Nominal)                             | *3                             | kW                   | 2.5   | 3.2                            | 4.0                            | 5.0                            |               |
|   |                                | kcal / h             | 2,200   | 2,800                          | 3,400                          | 4,300                          |               |
|   |                                | Btu / h              | 8,500   | 10,900                         | 13,600                         | 17,100                         |               |
|   | Power input                    | kW                   | 0.04 / 0.06   | 0.04 / 0.06                    | 0.06 / 0.07                    | 0.065 / 0.075                  |               |
|   |                                | Current input        | A   | 0.19 / 0.25                    | 0.19 / 0.25                    | 0.29 / 0.30                    | 0.32 / 0.33   |
| External finish   |                                |                      | Acrylic painted, MUNSELL (5Y 8/1)   |                                |                                |                                |               |
| External dimension H x W x D                              |                                | mm                   | 630 x 1,050 x 220   | 630 x 1,050 x 220              | 630 x 1,170 x 220              | 630 x 1,170 x 220              |               |
|   |                                | in.                  | 24-13/16" x 41-3/8" x 8-11/16"  | 24-13/16" x 41-3/8" x 8-11/16" | 24-13/16" x 46-1/8" x 8-11/16" | 24-13/16" x 46-1/8" x 8-11/16" |               |
| Net weight  |                                | kg (lb)              | 23 (51)   | 23 (51)                        | 25 (56)                        | 26 (58)                        |               |
| Heat exchanger  |                                |                      | Cross fin (Aluminum fin and copper tube)  |                                |                                |                                |               |
| FAN   | Type x Quantity                |                      | Sirocco fan x 1   | Sirocco fan x 1                | Sirocco fan x 2                | Sirocco fan x 2                |               |
|   | External static press.         | Pa                   | 0   | 0                              | 0                              | 0                              |               |
|   |                                | mmH <sub>2</sub> O   | 0   | 0                              | 0                              | 0                              |               |
|   | Motor type                     |                      | 1-phase induction motor   |                                |                                |                                |               |
|   | Motor output                   |                      | kW  | 0.015                          | 0.015                          | 0.018                          | 0.030         |
|   | Driving mechanism              |                      | Direct-driven by motor  |                                |                                |                                |               |
|   | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min | 5.5 - 6.5   | 5.5 - 6.5                      | 7.0 - 9.0                      | 9.0 - 11.0                     |               |
|   |                                | L / s                | 92 - 108  | 92 - 108                       | 117 - 150                      | 150 - 183                      |               |
| cfm   |                                | 194 - 230            | 194 - 230   | 247 - 318                      | 318 - 388                      |                                |               |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) | dB <A>                         | 32 - 38 (220V, 50Hz) | 32 - 38 (220V, 50Hz)  | 33 - 38 (220V, 50Hz)           | 36 - 41 (220V, 50Hz)           |                                |               |
|   | dB <A>                         | 33 - 39 (230V, 50Hz) | 33 - 39 (230V, 50Hz)  | 34 - 39 (230V, 50Hz)           | 37 - 42 (230V, 50Hz)           |                                |               |
|   | dB <A>                         | 34 - 40 (240V, 50Hz) | 34 - 40 (240V, 50Hz)  | 35 - 40 (240V, 50Hz)           | 38 - 43 (240V, 50Hz)           |                                |               |
| Insulation material                                       |                                |                      | Polyethylene foam, Urethane foam  |                                |                                |                                |               |
| Air filter  |                                |                      | PP honeycomb fabric (washable)  |                                |                                |                                |               |
| Protection device   |                                |                      | Fuse  |                                |                                |                                |               |
| Refrigerant control device                                |                                |                      | LEV   |                                |                                |                                |               |
| Connectable outdoor unit                                  |                                |                      | R410A, R407C, R22 CITY MULTI  |                                |                                |                                |               |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)             | ø6.35 (ø1/4") Flare   | ø6.35 (ø1/4") Flare            | ø6.35 (ø1/4") Flare            | ø6.35 (ø1/4") Flare            |               |
|   |                                |                      | ø6.35 (ø1/4") Flare   | ø6.35 (ø1/4") Flare            | ø6.35 (ø1/4") Flare            | ø6.35 (ø1/4") Flare            |               |
|   | Gas (R410A)<br>(R22, R407C)    | mm (in.)             | ø12.7 (ø1/2") Flare   | ø12.7 (ø1/2") Flare            | ø12.7 (ø1/2") Flare            | ø12.7 (ø1/2") Flare            |               |
|   |                                |                      | ø12.7 (ø1/2") Flare   | ø12.7 (ø1/2") Flare            | ø12.7 (ø1/2") Flare            | ø12.7 (ø1/2") Flare            |               |
| Diameter of drain pipe                                    |                                | mm (in.)             | Accessory hose ø27 (top end : ø20)  |                                |                                |                                |               |
| Drawing   | External                       |                      | IU-W65-3950   |                                |                                |                                |               |
|   | Wiring                         |                      | IU-W65-3960   |                                |                                |                                |               |
|   | Refrigerant cycle              |                      | -   |                                |                                |                                |               |
| Standard attachment                                       | Document                       |                      | Installation Manual, Instruction Book   |                                |                                |                                |               |
|   | Accessory                      |                      | Drain hose VP-25 (flexible joint)   |                                |                                |                                |               |
| Remark  | Optional parts                 |                      |   |                                |                                |                                |               |
|   | Installation                   |                      | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                                |                                |                                |               |

| Note :  | *1 Nominal cooling conditions          | *2 Nominal cooling conditions   | *3 Nominal heating conditions | Unit converter  |
|---|--|---------------------------------|-------------------------------|---|
|   | Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               | kcal/h = kW x 860   |
|   | Outdoor : 35°CDB (95°FDB)              | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   | Btu/h = kW x 3,412  |
|   | Pipe length : 7.5 m (24-9/16 ft)       | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            | cfm = m <sup>3</sup> /min x 35.31                           |
|   | Level difference : 0 m (0 ft)          | 0 m (0 ft)                      | 0 m (0 ft)                    | lb = kg / 0.4536  |
| * Nominal conditions *1, *3 are subject to JIS B8615-1.                                       |  |                                 |                               | *Above specification data is subject to rounding variation. |
| * Due to continuing improvement, above specification may be subject to change without notice. |  |                                 |                               |   |

Ref.: Spec\_PFFY-P-VLE(R)M-E\_1

# 1. SPECIFICATIONS

R410A Data G2

| Model   |                                |                             | PFFY-P50VLEM-E  | PFFY-P63VLEM-E                              | PFFY-P20VLRM-E                               | PFFY-P25VLRM-E                             |  |
|---|--------------------------------|-----------------------------|---|---|--|--|--|
| Power source  |                                |                             | 1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz  |   |  |  |  |
| Cooling capacity<br>(Nominal)                             | *1                             | kW                          | 5.6   | 7.1   | 2.2  | 2.8  |  |
|   |                                | kcal / h                    | 4,800   | 6,100                                       | 1,900  | 2,400                                      |  |
|   |                                | Btu / h                     | 19,100  | 24,200                                      | 7,500  | 9,600                                      |  |
|   | *2                             | kcal / h                    | 5,000   | 6,300                                       | 2,000  | 2,500                                      |  |
|   |                                | Power input                 | kW  | 0.085 / 0.09                                | 0.1 / 0.11                                   | 0.04 / 0.06                                | 0.04 / 0.06                                |
| Current input   |                                | A                           | 0.40 / 0.41   | 0.46 / 0.47                                 | 0.19 / 0.25                                  | 0.19 / 0.25                                |  |
| Heating capacity<br>(Nominal)                             | *3                             | kW                          | 6.3   | 8.0   | 2.5  | 3.2  |  |
|   |                                | kcal / h                    | 5,400   | 6,900                                       | 2,200  | 2,800                                      |  |
|   |                                | Btu / h                     | 21,500  | 27,300                                      | 8,500  | 10,900                                     |  |
|   | Power input                    | kW                          | 0.085 / 0.09  | 0.1 / 0.11                                  | 0.04 / 0.06                                  | 0.04 / 0.06                                |  |
|   |                                | Current input               | A   | 0.40 / 0.41                                 | 0.46 / 0.47                                  | 0.19 / 0.25                                | 0.19 / 0.25                                |
| External finish   |                                |                             | Acrylic painted, MUNSELL (5Y 8/1)   |   | Galvanized                                   |  |  |
| External dimension H x W x D                              |                                | mm                          | 630 x 1,410 x 220   | 630 x 1,410 x 220                           | 639 x 886 x 220                              | 639 x 886 x 220                            |  |
|   |                                | in.                         | 24-13/16" x 55-9/16" x 8-11/16"   | 24-13/16" x 55-9/16" x 8-11/16"             | 25-3/16" x 34-15/16" x 8-11/16"              | 25-3/16" x 34-15/16" x 8-11/16"            |  |
| Net weight  |                                | kg (lb)                     | 30 (67)   | 32 (71)                                     | 18.5 (41)                                    | 18.5 (41)                                  |  |
| Heat exchanger  |                                |                             | Cross fin (Aluminum fin and copper tube)  |   |  |  |  |
| FAN   | Type x Quantity                |                             | Sirocco fan x 2   | Sirocco fan x 2                             | Sirocco fan x 1                              | Sirocco fan x 1                            |  |
|   | External static press.         | Pa                          | 0   | 0   | 0  | 0  |  |
|   |                                | mmH <sub>2</sub> O          | 0   | 0   | 0  | 0  |  |
|   | Motor type                     |                             | 1-phase induction motor   |   |  |  |  |
|   | Motor output                   |                             | kW  | 0.035                                       | 0.063  | 0.015                                      | 0.015                                      |
|   | Driving mechanism              |                             | Direct-driven by motor  |   |  |  |  |
|   | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min        | 12.0 - 14.0   | 12.0 - 15.5                                 | 5.5 - 6.5                                    | 5.5 - 6.5                                  |  |
|   |                                | L / s                       | 200 - 233   | 200 - 258                                   | 92 - 108                                     | 92 - 108                                   |  |
| cfm   |                                | 424 - 494                   | 424 - 547   | 194 - 230                                   | 194 - 230                                    |  |  |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) | dB <A>                         |                             | 36 - 41 (220V, 50Hz)  | 38 - 44 (220V, 50Hz)                        | 32 - 38 (220V, 50Hz)                         | 32 - 38 (220V, 50Hz)                       |  |
|   | dB <A>                         |                             | 37 - 42 (230V, 50Hz)  | 39 - 45 (230V, 50Hz)                        | 33 - 39 (230V, 50Hz)                         | 33 - 39 (230V, 50Hz)                       |  |
|   | dB <A>                         |                             | 38 - 43 (240V, 50Hz)  | 40 - 46 (240V, 50Hz)                        | 34 - 40 (240V, 50Hz)                         | 34 - 40 (240V, 50Hz)                       |  |
| Insulation material                                       |                                |                             | Polyethylene foam, Urethane foam  |   |  |  |  |
| Air filter  |                                |                             | PP honeycomb fabric (washable)  |   |  |  |  |
| Protection device   |                                |                             | Fuse  |   |  |  |  |
| Refrigerant control device                                |                                |                             | LEV   |   |  |  |  |
| Connectable outdoor unit                                  |                                |                             | R410A, R407C, R22 CITY MULTI  |   |  |  |  |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)                    | ø6.35 (ø1/4") Flare<br>ø9.52 (ø3/8") Flare  | ø9.52 (ø3/8") Flare<br>ø9.52 (ø3/8") Flare  | ø6.35 (ø1/4") Flare<br>ø6.35 (ø1/4") Flare   | ø6.35 (ø1/4") Flare<br>ø6.35 (ø1/4") Flare |  |
|   |                                | Gas (R410A)<br>(R22, R407C) | mm (in.)  | ø12.7 (ø1/2") Flare<br>ø15.88 (ø5/8") Flare | ø15.88 (ø5/8") Flare<br>ø15.88 (ø5/8") Flare | ø12.7 (ø1/2") Flare<br>ø12.7 (ø1/2") Flare | ø12.7 (ø1/2") Flare<br>ø12.7 (ø1/2") Flare |
|   | Diameter of drain pipe         |                             | mm (in.)  | Accessory hose ø27 (top end : ø20)          |  |  |  |
| Drawing   | External                       |                             | IU-W65-3950   | IU-W65-3950                                 | IU-W65-3951                                  | IU-W65-3951                                |  |
|   | Wiring                         |                             | IU-W65-3960   | IU-W65-3960                                 | IU-W65-3960                                  | IU-W65-3960                                |  |
|   | Refrigerant cycle              |                             | -   | -   | -  | -  |  |
| Standard attachment                                       | Document                       |                             | Installation Manual, Instruction Book   |   |  |  |  |
|   | Accessory                      |                             |   |   |  |  |  |
| Remark  | Optional parts                 |                             |   |   |  |  |  |
|   | Installation                   |                             | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |   |  |  |  |

|   |  |                                 |                               |   |
|---|--|---------------------------------|-------------------------------|---|
| <b>Note :</b>   | *1 Nominal cooling conditions          | *2 Nominal cooling conditions   | *3 Nominal heating conditions | Unit converter  |
|   | Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               | kcal/h = kW x 860   |
|   | Outdoor : 35°CDB (95°FDB)              | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   | Btu/h = kW x 3,412  |
|   | Pipe length : 7.5 m (24-9/16 ft)       | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            | cfm = m <sup>3</sup> /min x 35.31                           |
| Level difference : 0 m (0 ft)   | 0 m (0 ft)                             | 0 m (0 ft)                      | lb = kg / 0.4536              |   |
| * Nominal conditions *1, *3 are subject to JIS B8615-1.                                       |  |                                 |                               | *Above specification data is subject to rounding variation. |
| * Due to continuing improvement, above specification may be subject to change without notice. |  |                                 |                               |   |

Ref.: Spec\_PFFY-P-VLE(R)/M-E\_2

# 1. SPECIFICATIONS

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| Model   |                                | PFFY-P32VLRM-E                               | PFFY-P40VLRM-E  | PFFY-P50VLRM-E                | PFFY-P63VLRM-E                 |                                |
|---|--------------------------------|--|---|-------------------------------|--------------------------------|--------------------------------|
| Power source  |                                | 1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz |   |                               |                                |                                |
| Cooling capacity<br>(Nominal)                             | *1                             | kW   | 3.6   | 4.5                           | 5.6                            | 7.1                            |
|   | *1                             | kcal / h                                     | 3,100   | 3,900                         | 4,800                          | 6,100                          |
|   | *1                             | Btu / h                                      | 12,300  | 15,400                        | 19,100                         | 24,200                         |
|   | *2                             | kcal / h                                     | 3,150   | 4,000                         | 5,000                          | 6,300                          |
|   | Power input                    | kW   | 0.06 / 0.07   | 0.065 / 0.075                 | 0.085 / 0.09                   | 0.1 / 0.11                     |
|   | Current input                  | A  | 0.29 / 0.30   | 0.32 / 0.33                   | 0.40 / 0.41                    | 0.46 / 0.47                    |
| Heating capacity<br>(Nominal )                            | *3                             | kW   | 4.0   | 5.0                           | 6.3                            | 8.0                            |
|   | *3                             | kcal / h                                     | 3,400   | 4,300                         | 5,400                          | 6,900                          |
|   | *3                             | Btu / h                                      | 13,600  | 17,100                        | 21,500                         | 27,300                         |
|   | Power input                    | kW   | 0.06 / 0.07   | 0.065 / 0.075                 | 0.085 / 0.09                   | 0.1 / 0.11                     |
|   | Current input                  | A  | 0.29 / 0.30   | 0.32 / 0.33                   | 0.40 / 0.41                    | 0.46 / 0.47                    |
| External finish   |                                | Galvanized                                   |   |                               |                                |                                |
| External dimension H x W x D                              |                                | mm   | 639 x 1,006 x 220   | 639 x 1,006 x 220             | 639 x 1,246 x 220              | 639 x 1,246 x 220              |
|   |                                | in.  | 25-3/16" x 39-5/8" x 8-11/16"   | 25-3/16" x 39-5/8" x 8-11/16" | 25-3/16" x 49-1/16" x 8-11/16" | 25-3/16" x 49-1/16" x 8-11/16" |
| Net weight  |                                | kg (lb)                                      | 20 (45)   | 21 (47)                       | 25 (56)                        | 27 (60)                        |
| Heat exchanger  |                                | Cross fin (Aluminum fin and copper tube)     |   |                               |                                |                                |
| FAN   | Type x Quantity                |  | Sirocco fan x 2   | Sirocco fan x 2               | Sirocco fan x 2                | Sirocco fan x 2                |
|   | External static press.         | Pa   | 0   | 0                             | 0                              | 0                              |
|   |                                | mmH <sub>2</sub> O                           | 0   | 0                             | 0                              | 0                              |
|   | Motor type                     |  | 1-phase induction motor   |                               |                                |                                |
|   | Motor output                   | kW   | 0.018   | 0.030                         | 0.035                          | 0.063                          |
|   | Driving mechanism              |  | Direct-driven by motor  |                               |                                |                                |
|   | Airflow rate<br>(Low-Mid-High) | m <sup>3</sup> / min                         | 7.0 - 9.0   | 9.0 - 11.0                    | 12.0 - 14.0                    | 12.0 - 15.5                    |
|   |                                | L / s  | 117 - 150   | 150 - 183                     | 200 - 233                      | 200 - 258                      |
| cfm   |                                | 247 - 318                                    | 318 - 388   | 424 - 494                     | 424 - 547                      |                                |
| Noise level (Low-Mid-High)<br>(measured in anechoic room) | dB <A>                         | 33 - 38 (220V, 50Hz)                         | 36 - 41 (220V, 50Hz)  | 36 - 41 (220V, 50Hz)          | 38 - 44 (220V, 50Hz)           |                                |
|   | dB <A>                         | 34 - 39 (230V, 50Hz)                         | 37 - 42 (230V, 50Hz)  | 37 - 42 (230V, 50Hz)          | 39 - 45 (230V, 50Hz)           |                                |
|   | dB <A>                         | 35 - 40 (240V, 50Hz)                         | 38 - 43 (240V, 50Hz)  | 38 - 43 (240V, 50Hz)          | 40 - 46 (240V, 50Hz)           |                                |
| Insulation material                                       |                                | Polyethylene foam, Urethane foam             |   |                               |                                |                                |
| Air filter  |                                | PP honeycomb fabric (washable)               |   |                               |                                |                                |
| Protection device   |                                | Fuse   |   |                               |                                |                                |
| Refrigerant control device                                |                                | LEV  |   |                               |                                |                                |
| Connectable outdoor unit                                  |                                | R410A, R407C, R22 CITY MULTI                 |   |                               |                                |                                |
| Diameter of refrigerant pipe                              | Liquid (R410A)<br>(R22, R407C) | mm (in.)                                     | ø6.35 (ø1/4") Flare   | ø6.35 (ø1/4") Flare           | ø6.35 (ø1/4") Flare            | ø9.52 (ø3/8") Flare            |
|   |                                | mm (in.)                                     | ø6.35 (ø1/4") Flare   | ø6.35 (ø1/4") Flare           | ø9.52 (ø3/8") Flare            | ø9.52 (ø3/8") Flare            |
|   | Gas (R410A)<br>(R22, R407C)    | mm (in.)                                     | ø12.7 (ø1/2") Flare   | ø12.7 (ø1/2") Flare           | ø12.7 (ø1/2") Flare            | ø15.88 (ø5/8") Flare           |
|   |                                | mm (in.)                                     | ø12.7 (ø1/2") Flare   | ø12.7 (ø1/2") Flare           | ø15.88 (ø5/8") Flare           | ø15.88 (ø5/8") Flare           |
| Diameter of drain pipe                                    |                                | mm (in.)                                     | Accessory hose ø27 (top end : ø20)  |                               |                                |                                |
| Drawing   | External                       |  | IU-W65-3951   |                               |                                |                                |
|   | Wiring                         |  | IU-W65-3960   |                               |                                |                                |
|   | Refrigerant cycle              |  | -   |                               |                                |                                |
| Standard attachment                                       | Document                       |  | Installation Manual, Instruction Book   |                               |                                |                                |
|   | Accessory                      |  |   |                               |                                |                                |
| Remark  | Optional parts                 |  |   |                               |                                |                                |
|   | Installation                   |  | Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. |                               |                                |                                |

|   |  |                                 |                               |   |
|---|--|---------------------------------|-------------------------------|---|
| <b>Note :</b>   | *1 Nominal cooling conditions          | *2 Nominal cooling conditions   | *3 Nominal heating conditions | Unit converter  |
|   | Indoor : 27°CDB/19°CWB (81°FDB/66°FWB) | 27°CDB/19.5°CWB (81°FDB/67°FWB) | 20°CDB (68°FDB)               | kcal/h = kW x 860   |
|   | Outdoor : 35°CDB (95°FDB)              | 35°CDB (95°FDB)                 | 7°CDB/6°CWB (45°FDB/43°FWB)   | Btu/h = kW x 3,412  |
|   | Pipe length : 7.5 m (24-9/16 ft)       | 5 m (16-3/8 ft)                 | 7.5 m (24-9/16 ft)            | cfm = m <sup>3</sup> /min x 35.31                           |
|   | Level difference : 0 m (0 ft)          | 0 m (0 ft)                      | 0 m (0 ft)                    | lb = kg / 0.4536  |
| * Nominal conditions *1, *3 are subject to JIS B8615-1.                                       |  |                                 |                               | *Above specification data is subject to rounding variation. |
| * Due to continuing improvement, above specification may be subject to change without notice. |  |                                 |                               |   |

Ref.: Spec\_PFFY-P-VLE(R)M-E\_3

## 2. CAPACITY TABLES

R410A Data G2

### 2-1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71°FDB / 59°FWB   |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |
|                          |                   | CA   | SHC               | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             |     |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.9 | 2.2             | 2.0 | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 2.1 | 2.6             | 2.0 | 2.8             | 2.0 |
|                          | 73                | 22.5 | 2.1               | 1.9 | 2.2             | 2.0 | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 2.1 | 2.6             | 2.0 | 2.8             | 2.0 |
|                          | 77                | 25.0 | 2.1               | 1.9 | 2.2             | 2.0 | 2.3             | 1.9 | 2.4             | 2.0 | 2.4             | 2.1 | 2.6             | 2.0 | 2.7             | 2.0 |
|                          | 82                | 27.5 | 2.1               | 1.9 | 2.1             | 1.9 | 2.3             | 1.9 | 2.3             | 2.0 | 2.4             | 2.1 | 2.5             | 2.0 | 2.7             | 2.0 |
|                          | 86                | 30.0 | 2.0               | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.3             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |
|                          | 91                | 32.5 | 2.0               | 1.8 | 2.1             | 1.9 | 2.2             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 |
|                          | 95                | 35.0 | 2.0               | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 1.9 |
|                          | 100               | 37.5 | 1.9               | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.1             | 1.9 | 2.2             | 2.0 | 2.3             | 2.0 | 2.5             | 1.9 |
|                          | 104               | 40.0 | 1.9               | 1.8 | 1.9             | 1.9 | 2.1             | 1.8 | 2.1             | 1.9 | 2.2             | 2.0 | 2.3             | 1.9 | 2.4             | 1.9 |
|                          | 110               | 43.0 | 1.8               | 1.8 | 1.9             | 1.8 | 2.0             | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.4             | 1.9 |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 73                | 22.5 | 2.7               | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 77                | 25.0 | 2.7               | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 82                | 27.5 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 86                | 30.0 | 2.6               | 2.1 | 2.7             | 2.2 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.3 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1 | 2.6             | 2.2 | 2.8             | 2.1 | 2.8             | 2.2 | 2.9             | 2.3 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.2             | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 3.0             | 2.2 | 3.1             | 2.1 |
|                          | 104               | 40.0 | 2.4               | 2.0 | 2.5             | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.1             | 2.1 |
|                          | 110               | 43.0 | 2.4               | 2.0 | 2.4             | 2.1 | 2.6             | 2.0 | 2.6             | 2.1 | 2.7             | 2.2 | 2.8             | 2.1 | 3.0             | 2.1 |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.5 | 3.5             | 2.6 | 3.8             | 2.5 | 3.9             | 2.6 | 4.0             | 2.7 | 4.2             | 2.6 | 4.6             | 2.6 |
|                          | 73                | 22.5 | 3.4               | 2.5 | 3.5             | 2.6 | 3.8             | 2.5 | 3.9             | 2.6 | 4.0             | 2.7 | 4.2             | 2.6 | 4.6             | 2.6 |
|                          | 77                | 25.0 | 3.4               | 2.5 | 3.5             | 2.6 | 3.8             | 2.5 | 3.9             | 2.6 | 4.0             | 2.6 | 4.2             | 2.6 | 4.5             | 2.6 |
|                          | 82                | 27.5 | 3.4               | 2.5 | 3.5             | 2.5 | 3.7             | 2.5 | 3.8             | 2.5 | 3.9             | 2.6 | 4.1             | 2.6 | 4.4             | 2.5 |
|                          | 86                | 30.0 | 3.3               | 2.4 | 3.4             | 2.5 | 3.6             | 2.5 | 3.7             | 2.5 | 3.8             | 2.6 | 4.0             | 2.5 | 4.3             | 2.5 |
|                          | 91                | 32.5 | 3.3               | 2.4 | 3.4             | 2.5 | 3.6             | 2.4 | 3.7             | 2.5 | 3.8             | 2.6 | 4.0             | 2.5 | 4.2             | 2.5 |
|                          | 95                | 35.0 | 3.2               | 2.4 | 3.3             | 2.4 | 3.5             | 2.4 | 3.6             | 2.4 | 3.7             | 2.5 | 3.9             | 2.5 | 4.1             | 2.4 |
|                          | 100               | 37.5 | 3.2               | 2.3 | 3.2             | 2.4 | 3.4             | 2.4 | 3.5             | 2.4 | 3.6             | 2.5 | 3.8             | 2.5 | 4.0             | 2.4 |
|                          | 104               | 40.0 | 3.1               | 2.3 | 3.2             | 2.4 | 3.4             | 2.4 | 3.5             | 2.4 | 3.6             | 2.5 | 3.7             | 2.4 | 4.0             | 2.4 |
|                          | 110               | 43.0 | 3.0               | 2.3 | 3.1             | 2.3 | 3.3             | 2.3 | 3.3             | 2.3 | 3.5             | 2.4 | 3.6             | 2.4 | 3.9             | 2.3 |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.1 | 4.4             | 3.2 | 4.7             | 3.2 | 4.9             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.7             | 3.3 |
|                          | 73                | 22.5 | 4.3               | 3.1 | 4.4             | 3.2 | 4.7             | 3.2 | 4.9             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.7             | 3.3 |
|                          | 77                | 25.0 | 4.3               | 3.1 | 4.4             | 3.2 | 4.7             | 3.2 | 4.9             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.6             | 3.2 |
|                          | 82                | 27.5 | 4.3               | 3.1 | 4.4             | 3.2 | 4.6             | 3.1 | 4.8             | 3.2 | 4.9             | 3.3 | 5.2             | 3.2 | 5.5             | 3.2 |
|                          | 86                | 30.0 | 4.2               | 3.1 | 4.3             | 3.1 | 4.6             | 3.1 | 4.7             | 3.1 | 4.8             | 3.3 | 5.0             | 3.2 | 5.4             | 3.2 |
|                          | 91                | 32.5 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.1 | 4.6             | 3.1 | 4.7             | 3.2 | 5.0             | 3.2 | 5.3             | 3.1 |
|                          | 95                | 35.0 | 4.0               | 3.0 | 4.1             | 3.1 | 4.4             | 3.0 | 4.5             | 3.1 | 4.6             | 3.2 | 4.9             | 3.1 | 5.2             | 3.1 |
|                          | 100               | 37.5 | 3.9               | 2.9 | 4.1             | 3.0 | 4.3             | 3.0 | 4.4             | 3.0 | 4.5             | 3.1 | 4.8             | 3.1 | 5.0             | 3.0 |
|                          | 104               | 40.0 | 3.9               | 2.9 | 4.0             | 3.0 | 4.2             | 3.0 | 4.3             | 3.0 | 4.5             | 3.1 | 4.7             | 3.0 | 5.0             | 3.0 |
|                          | 110               | 43.0 | 3.8               | 2.9 | 3.9             | 3.0 | 4.1             | 2.9 | 4.2             | 2.9 | 4.3             | 3.1 | 4.5             | 3.0 | 4.8             | 3.0 |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.9 | 5.5             | 4.1 | 5.9             | 4.0 | 6.0             | 4.1 | 6.2             | 4.2 | 6.6             | 4.2 | 7.1             | 4.1 |
|                          | 73                | 22.5 | 5.3               | 3.9 | 5.5             | 4.1 | 5.9             | 4.0 | 6.0             | 4.1 | 6.2             | 4.2 | 6.6             | 4.2 | 7.1             | 4.1 |
|                          | 77                | 25.0 | 5.3               | 3.9 | 5.5             | 4.1 | 5.9             | 4.0 | 6.0             | 4.1 | 6.2             | 4.2 | 6.6             | 4.2 | 6.9             | 4.1 |
|                          | 82                | 27.5 | 5.3               | 3.9 | 5.5             | 4.0 | 5.8             | 4.0 | 5.9             | 4.0 | 6.1             | 4.2 | 6.4             | 4.1 | 6.8             | 4.0 |
|                          | 86                | 30.0 | 5.2               | 3.9 | 5.3             | 4.0 | 5.7             | 3.9 | 5.8             | 4.0 | 6.0             | 4.1 | 6.3             | 4.0 | 6.7             | 4.0 |
|                          | 91                | 32.5 | 5.1               | 3.8 | 5.3             | 3.9 | 5.5             | 3.9 | 5.7             | 3.9 | 5.9             | 4.1 | 6.2             | 4.0 | 6.6             | 3.9 |
|                          | 95                | 35.0 | 5.0               | 3.8 | 5.2             | 3.9 | 5.5             | 3.8 | 5.6             | 3.9 | 5.7             | 4.0 | 6.0             | 4.0 | 6.4             | 3.9 |
|                          | 100               | 37.5 | 4.9               | 3.7 | 5.0             | 3.8 | 5.3             | 3.8 | 5.5             | 3.8 | 5.6             | 4.0 | 5.9             | 3.9 | 6.3             | 3.8 |
|                          | 104               | 40.0 | 4.8               | 3.7 | 5.0             | 3.8 | 5.3             | 3.8 | 5.4             | 3.8 | 5.5             | 3.9 | 5.8             | 3.9 | 6.2             | 3.8 |
|                          | 110               | 43.0 | 4.7               | 3.6 | 4.8             | 3.7 | 5.1             | 3.7 | 5.2             | 3.7 | 5.4             | 3.9 | 5.7             | 3.8 | 6.0             | 3.7 |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 4.9 | 7.0             | 5.0 | 7.5             | 5.0 | 7.7             | 5.0 | 7.9             | 5.2 | 8.4             | 5.1 | 9.0             | 5.1 |
|                          | 73                | 22.5 | 6.7               | 4.9 | 7.0             | 5.0 | 7.5             | 5.0 | 7.7             | 5.0 | 7.9             | 5.2 | 8.4             | 5.1 | 9.0             | 5.1 |
|                          | 77                | 25.0 | 6.7               | 4.9 | 7.0             | 5.0 | 7.5             | 5.0 | 7.7             | 5.0 | 7.8             | 5.2 | 8.3             | 5.1 | 8.8             | 5.0 |
|                          | 82                | 27.5 | 6.7               | 4.9 | 6.9             | 5.0 | 7.3             | 4.9 | 7.5             | 5.0 | 7.7             | 5.1 | 8.1             | 5.0 | 8.7             | 5.0 |
|                          | 86                | 30.0 | 6.6               | 4.8 | 6.8             | 4.9 | 7.2             | 4.9 | 7.4             | 4.9 | 7.6             | 5.1 | 8.0             | 5.0 | 8.5             | 4.9 |
|                          | 91                | 32.5 | 6.5               | 4.7 | 6.7             | 4.9 | 7.0             | 4.8 | 7.2             | 4.8 | 7.4             | 5.0 | 7.8             | 4.9 | 8.3             | 4.9 |
|                          | 95                | 35.0 | 6.4               | 4.7 | 6.5             | 4.8 | 6.9             | 4.7 | 7.1             | 4.8 | 7.3             | 5.0 | 7.7             | 4.9 | 8.1             | 4.8 |
|                          | 100               | 37.5 | 6.2               | 4.6 | 6.4             | 4.7 | 6.8             | 4.7 | 6.9             | 4.7 | 7.1             | 4.9 | 7.5             | 4.8 | 8.0             | 4.7 |
|                          | 104               | 40.0 | 6.1               | 4.5 | 6.3             | 4.7 | 6.7             | 4.6 | 6.8             | 4.7 | 7.0             | 4.8 | 7.3             | 4.7 | 7.8             | 4.7 |
|                          | 110               | 43.0 | 6.0               | 4.5 | 6.1             | 4.6 | 6.5             | 4.5 | 6.6             | 4.6 | 6.8             | 4.8 | 7.2             | 4.7 | 7.6             | 4.6 |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-1b. Heating capacity in combination with PUHY,PURY-P200,250YGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | -4                | -20.0 | 1.3                 | 1.3                 | 1.3                 | 1.3                 |
|                          | 5                 | -15.0 | 1.6                 | 1.5                 | 1.5                 | 1.5                 |
|                          | 14                | -10.0 | 1.8                 | 1.8                 | 1.8                 | 1.7                 |
|                          | 23                | -5.0  | 2.1                 | 2.1                 | 2.0                 | 1.8                 |
|                          | 32                | 0.0   | 2.4                 | 2.4                 | 2.0                 | 1.8                 |
|                          | 37                | 2.5   | 2.5                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 43                | 6.0   | 2.6                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 46                | 7.5   | 2.7                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 50                | 10.0  | 2.9                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 55                | 12.5  | 3.0                 | 2.5                 | 2.0                 | 1.8                 |
| 60                       | 15.5              | 3.2   | 2.5                 | 2.0                 | 1.8                 |                     |
| 25<br>(2.8)              | -4                | -20.0 | 1.6                 | 1.6                 | 1.6                 | 1.6                 |
|                          | 5                 | -15.0 | 2.0                 | 2.0                 | 1.9                 | 1.9                 |
|                          | 14                | -10.0 | 2.3                 | 2.3                 | 2.2                 | 2.2                 |
|                          | 23                | -5.0  | 2.7                 | 2.7                 | 2.6                 | 2.2                 |
|                          | 32                | 0.0   | 3.0                 | 3.0                 | 2.6                 | 2.2                 |
|                          | 37                | 2.5   | 3.2                 | 3.2                 | 2.6                 | 2.2                 |
|                          | 43                | 6.0   | 3.3                 | 3.2                 | 2.6                 | 2.2                 |
|                          | 46                | 7.5   | 3.4                 | 3.2                 | 2.6                 | 2.2                 |
|                          | 50                | 10.0  | 3.6                 | 3.2                 | 2.6                 | 2.2                 |
|                          | 55                | 12.5  | 3.9                 | 3.2                 | 2.6                 | 2.2                 |
| 60                       | 15.5              | 4.1   | 3.2                 | 2.6                 | 2.2                 |                     |
| 32<br>(3.6)              | -4                | -20.0 | 2.1                 | 2.0                 | 2.0                 | 2.0                 |
|                          | 5                 | -15.0 | 2.5                 | 2.4                 | 2.4                 | 2.4                 |
|                          | 14                | -10.0 | 2.9                 | 2.9                 | 2.8                 | 2.7                 |
|                          | 23                | -5.0  | 3.4                 | 3.3                 | 3.2                 | 2.8                 |
|                          | 32                | 0.0   | 3.8                 | 3.8                 | 3.2                 | 2.8                 |
|                          | 37                | 2.5   | 4.0                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 43                | 6.0   | 4.2                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 46                | 7.5   | 4.3                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 50                | 10.0  | 4.6                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 55                | 12.5  | 4.8                 | 4.0                 | 3.2                 | 2.8                 |
| 60                       | 15.5              | 5.1   | 4.0                 | 3.2                 | 2.8                 |                     |
| 40<br>(4.5)              | -4                | -20.0 | 2.6                 | 2.5                 | 2.5                 | 2.5                 |
|                          | 5                 | -15.0 | 3.1                 | 3.1                 | 3.0                 | 3.0                 |
|                          | 14                | -10.0 | 3.7                 | 3.6                 | 3.5                 | 3.4                 |
|                          | 23                | -5.0  | 4.2                 | 4.2                 | 4.0                 | 3.5                 |
|                          | 32                | 0.0   | 4.7                 | 4.7                 | 4.0                 | 3.5                 |
|                          | 37                | 2.5   | 5.0                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 43                | 6.0   | 5.2                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 46                | 7.5   | 5.4                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 50                | 10.0  | 5.7                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 55                | 12.5  | 6.0                 | 5.0                 | 4.0                 | 3.5                 |
| 60                       | 15.5              | 6.4   | 5.0                 | 4.0                 | 3.5                 |                     |
| 50<br>(5.6)              | -4                | -20.0 | 3.2                 | 3.2                 | 3.2                 | 3.2                 |
|                          | 5                 | -15.0 | 3.9                 | 3.8                 | 3.8                 | 3.7                 |
|                          | 14                | -10.0 | 4.6                 | 4.5                 | 4.4                 | 4.3                 |
|                          | 23                | -5.0  | 5.3                 | 5.2                 | 5.0                 | 4.4                 |
|                          | 32                | 0.0   | 6.0                 | 5.9                 | 5.0                 | 4.4                 |
|                          | 37                | 2.5   | 6.3                 | 6.2                 | 5.0                 | 4.4                 |
|                          | 43                | 6.0   | 6.6                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 46                | 7.5   | 6.8                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 50                | 10.0  | 7.2                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 55                | 12.5  | 7.6                 | 6.3                 | 5.0                 | 4.4                 |
| 60                       | 15.5              | 8.1   | 6.3                 | 5.0                 | 4.4                 |                     |
| 63<br>(7.1)              | -4                | -20.0 | 4.1                 | 4.0                 | 4.0                 | 4.0                 |
|                          | 5                 | -15.0 | 5.0                 | 4.9                 | 4.8                 | 4.7                 |
|                          | 14                | -10.0 | 5.8                 | 5.8                 | 5.6                 | 5.5                 |
|                          | 23                | -5.0  | 6.7                 | 6.6                 | 6.4                 | 5.6                 |
|                          | 32                | 0.0   | 7.6                 | 7.5                 | 6.4                 | 5.6                 |
|                          | 37                | 2.5   | 8.0                 | 7.9                 | 6.4                 | 5.6                 |
|                          | 43                | 6.0   | 8.3                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 46                | 7.5   | 8.6                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 50                | 10.0  | 9.1                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 55                | 12.5  | 9.6                 | 8.0                 | 6.4                 | 5.6                 |
| 60                       | 15.5              | 10.2  | 8.0                 | 6.4                 | 5.6                 |                     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71°FDB / 59°FWB   |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          |                   |      | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |
|                          | °FDB              | °CDB | CA                | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.9 | 2.2             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.9             | 2.1 |
|                          | 73                | 22.5 | 2.1               | 1.9 | 2.2             | 2.0 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.1 | 2.6             | 2.1 | 2.8             | 2.0 |
|                          | 77                | 25.0 | 2.1               | 1.9 | 2.2             | 1.9 | 2.3             | 1.9 | 2.4             | 2.0 | 2.4             | 2.1 | 2.6             | 2.0 | 2.8             | 2.0 |
|                          | 82                | 27.5 | 2.1               | 1.9 | 2.1             | 1.9 | 2.3             | 1.9 | 2.3             | 2.0 | 2.4             | 2.1 | 2.5             | 2.0 | 2.7             | 2.0 |
|                          | 86                | 30.0 | 2.0               | 1.8 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |
|                          | 91                | 32.5 | 2.0               | 1.8 | 2.0             | 1.9 | 2.2             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 |
|                          | 95                | 35.0 | 2.0               | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 |
|                          | 100               | 37.5 | 1.9               | 1.8 | 1.9             | 1.9 | 2.1             | 1.8 | 2.1             | 1.9 | 2.2             | 2.0 | 2.4             | 2.0 | 2.5             | 1.9 |
|                          | 104               | 40.0 | 1.9               | 1.8 | 1.9             | 1.8 | 2.0             | 1.8 | 2.1             | 1.9 | 2.4             | 2.0 | 2.3             | 1.9 | 2.4             | 1.9 |
| 110                      | 43.0              | 1.8  | 1.8               | 1.8 | 1.8             | 2.0 | 1.8             | 2.0 | 1.9             | 2.1 | 1.9             | 2.2 | 1.9             | 2.4 | 1.9             |     |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.2 | 2.8             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.2             | 2.4 | 3.4             | 2.3 | 3.6             | 2.3 |
|                          | 73                | 22.5 | 2.7               | 2.2 | 2.8             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.2             | 2.4 | 3.4             | 2.3 | 3.6             | 2.3 |
|                          | 77                | 25.0 | 2.7               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 82                | 27.5 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 86                | 30.0 | 2.6               | 2.1 | 2.6             | 2.2 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 2.9             | 2.3 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1 | 2.5             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 2.9             | 2.2 | 3.1             | 2.2 | 3.2             | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0 | 2.5             | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 3.0             | 2.2 | 3.2             | 2.2 |
|                          | 104               | 40.0 | 2.4               | 2.0 | 2.4             | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 3.0             | 2.3 | 2.9             | 2.2 | 3.1             | 2.1 |
| 110                      | 43.0              | 2.4  | 2.0               | 2.4 | 2.0             | 2.5 | 2.0             | 2.6 | 2.1             | 2.7 | 2.2             | 2.8 | 2.1             | 3.0 | 2.1             |     |
| 32<br>(3.6)              | 68                | 20.0 | 3.5               | 2.5 | 3.6             | 2.6 | 3.9             | 2.6 | 4.0             | 2.6 | 4.2             | 2.7 | 4.4             | 2.7 | 4.7             | 2.7 |
|                          | 73                | 22.5 | 3.5               | 2.5 | 3.6             | 2.6 | 3.8             | 2.6 | 4.0             | 2.6 | 4.1             | 2.7 | 4.3             | 2.7 | 4.6             | 2.6 |
|                          | 77                | 25.0 | 3.4               | 2.5 | 3.5             | 2.5 | 3.8             | 2.5 | 3.9             | 2.6 | 4.0             | 2.7 | 4.2             | 2.6 | 4.5             | 2.6 |
|                          | 82                | 27.5 | 3.4               | 2.5 | 3.5             | 2.5 | 3.7             | 2.5 | 3.8             | 2.5 | 3.9             | 2.6 | 4.2             | 2.6 | 4.4             | 2.5 |
|                          | 86                | 30.0 | 3.3               | 2.4 | 3.4             | 2.5 | 3.6             | 2.5 | 3.7             | 2.5 | 3.9             | 2.6 | 4.1             | 2.6 | 4.3             | 2.5 |
|                          | 91                | 32.5 | 3.3               | 2.4 | 3.3             | 2.5 | 3.5             | 2.4 | 3.7             | 2.5 | 3.8             | 2.6 | 4.0             | 2.5 | 4.2             | 2.5 |
|                          | 95                | 35.0 | 3.2               | 2.4 | 3.3             | 2.4 | 3.5             | 2.4 | 3.6             | 2.4 | 3.7             | 2.5 | 3.9             | 2.5 | 4.2             | 2.5 |
|                          | 100               | 37.5 | 3.2               | 2.4 | 3.2             | 2.4 | 3.4             | 2.4 | 3.5             | 2.4 | 3.6             | 2.5 | 3.9             | 2.5 | 4.1             | 2.4 |
|                          | 104               | 40.0 | 3.1               | 2.3 | 3.1             | 2.3 | 3.3             | 2.3 | 3.4             | 2.4 | 3.9             | 2.6 | 3.8             | 2.4 | 4.0             | 2.4 |
| 110                      | 43.0              | 3.0  | 2.3               | 3.0 | 2.3             | 3.2 | 2.3             | 3.3 | 2.3             | 3.4 | 2.4             | 3.7 | 2.4             | 3.9 | 2.4             |     |
| 40<br>(4.5)              | 68                | 20.0 | 4.4               | 3.2 | 4.5             | 3.3 | 4.9             | 3.3 | 5.0             | 3.3 | 5.2             | 3.4 | 5.5             | 3.4 | 5.9             | 3.3 |
|                          | 73                | 22.5 | 4.3               | 3.1 | 4.5             | 3.2 | 4.8             | 3.2 | 5.0             | 3.3 | 5.1             | 3.4 | 5.4             | 3.3 | 5.7             | 3.3 |
|                          | 77                | 25.0 | 4.3               | 3.1 | 4.4             | 3.2 | 4.7             | 3.2 | 4.9             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.6             | 3.2 |
|                          | 82                | 27.5 | 4.2               | 3.1 | 4.3             | 3.2 | 4.6             | 3.1 | 4.8             | 3.2 | 4.9             | 3.3 | 5.2             | 3.3 | 5.5             | 3.2 |
|                          | 86                | 30.0 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.1 | 4.7             | 3.1 | 4.8             | 3.3 | 5.1             | 3.2 | 5.4             | 3.2 |
|                          | 91                | 32.5 | 4.1               | 3.0 | 4.2             | 3.1 | 4.4             | 3.1 | 4.6             | 3.1 | 4.7             | 3.2 | 5.0             | 3.2 | 5.3             | 3.1 |
|                          | 95                | 35.0 | 4.0               | 3.0 | 4.1             | 3.0 | 4.3             | 3.0 | 4.5             | 3.1 | 4.6             | 3.2 | 4.9             | 3.1 | 5.2             | 3.1 |
|                          | 100               | 37.5 | 4.0               | 3.0 | 4.0             | 3.0 | 4.3             | 3.0 | 4.4             | 3.0 | 4.5             | 3.1 | 4.8             | 3.1 | 5.1             | 3.1 |
|                          | 104               | 40.0 | 3.9               | 2.9 | 3.9             | 3.0 | 4.2             | 2.9 | 4.3             | 3.0 | 4.9             | 3.3 | 4.7             | 3.1 | 5.0             | 3.0 |
| 110                      | 43.0              | 3.8  | 2.9               | 3.8 | 2.9             | 4.1 | 2.9             | 4.2 | 2.9             | 4.3 | 3.0             | 4.6 | 3.0             | 4.8 | 3.0             |     |
| 50<br>(5.6)              | 68                | 20.0 | 5.4               | 4.0 | 5.6             | 4.1 | 6.0             | 4.1 | 6.3             | 4.2 | 6.5             | 4.3 | 6.9             | 4.3 | 7.3             | 4.2 |
|                          | 73                | 22.5 | 5.4               | 4.0 | 5.6             | 4.1 | 6.0             | 4.1 | 6.2             | 4.1 | 6.4             | 4.3 | 6.7             | 4.2 | 7.1             | 4.2 |
|                          | 77                | 25.0 | 5.3               | 3.9 | 5.5             | 4.0 | 5.9             | 4.0 | 6.0             | 4.1 | 6.2             | 4.2 | 6.6             | 4.2 | 7.0             | 4.1 |
|                          | 82                | 27.5 | 5.2               | 3.9 | 5.4             | 4.0 | 5.7             | 4.0 | 5.9             | 4.0 | 6.1             | 4.2 | 6.5             | 4.1 | 6.9             | 4.1 |
|                          | 86                | 30.0 | 5.2               | 3.8 | 5.3             | 3.9 | 5.6             | 3.9 | 5.8             | 4.0 | 6.0             | 4.1 | 6.4             | 4.1 | 6.7             | 4.0 |
|                          | 91                | 32.5 | 5.1               | 3.8 | 5.2             | 3.9 | 5.5             | 3.9 | 5.7             | 3.9 | 5.9             | 4.1 | 6.2             | 4.0 | 6.6             | 4.0 |
|                          | 95                | 35.0 | 5.0               | 3.8 | 5.1             | 3.8 | 5.4             | 3.8 | 5.6             | 3.9 | 5.8             | 4.0 | 6.1             | 4.0 | 6.5             | 3.9 |
|                          | 100               | 37.5 | 4.9               | 3.7 | 5.0             | 3.8 | 5.3             | 3.8 | 5.5             | 3.8 | 5.7             | 4.0 | 6.0             | 3.9 | 6.3             | 3.9 |
|                          | 104               | 40.0 | 4.8               | 3.7 | 4.8             | 3.7 | 5.2             | 3.7 | 5.3             | 3.8 | 6.1             | 4.2 | 5.9             | 3.9 | 6.2             | 3.8 |
| 110                      | 43.0              | 4.7  | 3.6               | 4.7 | 3.7             | 5.0 | 3.7             | 5.2 | 3.7             | 5.3 | 3.9             | 5.7 | 3.8             | 6.0 | 3.8             |     |
| 63<br>(7.1)              | 68                | 20.0 | 6.9               | 4.9 | 7.1             | 5.1 | 7.7             | 5.1 | 8.0             | 5.2 | 8.2             | 5.4 | 8.7             | 5.3 | 9.2             | 5.2 |
|                          | 73                | 22.5 | 6.9               | 4.9 | 7.1             | 5.1 | 7.6             | 5.0 | 7.8             | 5.1 | 8.1             | 5.3 | 8.5             | 5.2 | 9.1             | 5.1 |
|                          | 77                | 25.0 | 6.8               | 4.9 | 7.0             | 5.0 | 7.4             | 5.0 | 7.7             | 5.0 | 7.9             | 5.2 | 8.4             | 5.1 | 8.9             | 5.1 |
|                          | 82                | 27.5 | 6.6               | 4.8 | 6.8             | 4.9 | 7.3             | 4.9 | 7.5             | 5.0 | 7.8             | 5.2 | 8.2             | 5.1 | 8.7             | 5.0 |
|                          | 86                | 30.0 | 6.5               | 4.8 | 6.7             | 4.9 | 7.1             | 4.8 | 7.4             | 4.9 | 7.6             | 5.1 | 8.1             | 5.0 | 8.5             | 4.9 |
|                          | 91                | 32.5 | 6.4               | 4.7 | 6.6             | 4.8 | 7.0             | 4.8 | 7.2             | 4.9 | 7.5             | 5.0 | 7.9             | 4.9 | 8.4             | 4.9 |
|                          | 95                | 35.0 | 6.3               | 4.7 | 6.4             | 4.7 | 6.8             | 4.7 | 7.1             | 4.8 | 7.3             | 5.0 | 7.7             | 4.9 | 8.2             | 4.8 |
|                          | 100               | 37.5 | 6.2               | 4.6 | 6.3             | 4.7 | 6.7             | 4.6 | 6.9             | 4.7 | 7.2             | 4.9 | 7.6             | 4.8 | 8.0             | 4.8 |
|                          | 104               | 40.0 | 6.1               | 4.6 | 6.1             | 4.6 | 6.6             | 4.6 | 6.8             | 4.7 | 7.7             | 5.1 | 7.4             | 4.8 | 7.8             | 4.7 |
| 110                      | 43.0              | 6.0  | 4.5               | 6.0 | 4.5             | 6.4 | 4.5             | 6.6 | 4.6             | 6.8 | 4.7             | 7.2 | 4.7             | 7.6 | 4.6             |     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-2b. Heating capacity in combination with PUHY,PURY-P300,350,400YGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp. |          |          |          |
|--------------------------|-------------------|-------|------------------|----------|----------|----------|
|                          |                   |       | 59 °FDB          | 68 °FDB  | 77 °FDB  | 81 °FDB  |
|                          | °FWB              | °CWB  | 15.0°CDB         | 20.0°CDB | 25.0°CDB | 27.0°CDB |
|                          |                   |       | SHC              | SHC      | SHC      | SHC      |
| 20<br>(2.2)              | -4                | -20.0 | 1.3              | 1.3      | 1.3      | 1.2      |
|                          | 5                 | -15.0 | 1.5              | 1.5      | 1.5      | 1.5      |
|                          | 14                | -10.0 | 1.8              | 1.8      | 1.7      | 1.6      |
|                          | 23                | -5.0  | 2.0              | 2.0      | 1.9      | 1.6      |
|                          | 32                | 0.0   | 2.3              | 2.3      | 1.9      | 1.6      |
|                          | 37                | 2.5   | 2.4              | 2.4      | 1.9      | 1.6      |
|                          | 43                | 6.0   | 2.6              | 2.5      | 1.9      | 1.6      |
|                          | 46                | 7.5   | 2.7              | 2.5      | 1.9      | 1.6      |
|                          | 50                | 10.0  | 2.8              | 2.5      | 1.9      | 1.6      |
|                          | 60                | 15.5  | 2.9              | 2.5      | 1.9      | 1.6      |
| 25<br>(2.8)              | -4                | -20.0 | 1.7              | 1.6      | 1.6      | 1.5      |
|                          | 5                 | -15.0 | 1.9              | 1.9      | 1.9      | 1.9      |
|                          | 14                | -10.0 | 2.2              | 2.2      | 2.2      | 2.0      |
|                          | 23                | -5.0  | 2.6              | 2.6      | 2.4      | 2.0      |
|                          | 32                | 0.0   | 2.9              | 2.9      | 2.4      | 2.0      |
|                          | 37                | 2.5   | 3.1              | 3.0      | 2.4      | 2.0      |
|                          | 43                | 6.0   | 3.3              | 3.2      | 2.4      | 2.0      |
|                          | 46                | 7.5   | 3.4              | 3.2      | 2.4      | 2.0      |
|                          | 50                | 10.0  | 3.5              | 3.2      | 2.4      | 2.0      |
|                          | 60                | 15.5  | 3.7              | 3.2      | 2.4      | 2.0      |
| 32<br>(3.6)              | -4                | -20.0 | 2.1              | 2.0      | 2.0      | 1.9      |
|                          | 5                 | -15.0 | 2.4              | 2.4      | 2.4      | 2.3      |
|                          | 14                | -10.0 | 2.8              | 2.8      | 2.7      | 2.6      |
|                          | 23                | -5.0  | 3.2              | 3.2      | 3.0      | 2.6      |
|                          | 32                | 0.0   | 3.6              | 3.6      | 3.0      | 2.6      |
|                          | 37                | 2.5   | 3.8              | 3.8      | 3.0      | 2.6      |
|                          | 43                | 6.0   | 4.1              | 4.0      | 3.0      | 2.6      |
|                          | 46                | 7.5   | 4.2              | 4.0      | 3.0      | 2.6      |
|                          | 50                | 10.0  | 4.4              | 4.0      | 3.0      | 2.6      |
|                          | 60                | 15.5  | 4.6              | 4.0      | 3.0      | 2.6      |
| 40<br>(4.5)              | -4                | -20.0 | 2.6              | 2.5      | 2.5      | 2.4      |
|                          | 5                 | -15.0 | 3.0              | 3.0      | 3.0      | 2.9      |
|                          | 14                | -10.0 | 3.5              | 3.5      | 3.4      | 3.2      |
|                          | 23                | -5.0  | 4.0              | 4.0      | 3.8      | 3.2      |
|                          | 32                | 0.0   | 4.5              | 4.5      | 3.8      | 3.2      |
|                          | 37                | 2.5   | 4.8              | 4.7      | 3.8      | 3.2      |
|                          | 43                | 6.0   | 5.1              | 5.0      | 3.8      | 3.2      |
|                          | 46                | 7.5   | 5.3              | 5.0      | 3.8      | 3.2      |
|                          | 50                | 10.0  | 5.5              | 5.0      | 3.8      | 3.2      |
|                          | 60                | 15.5  | 5.8              | 5.0      | 3.8      | 3.2      |
| 50<br>(5.6)              | -4                | -20.0 | 3.3              | 3.2      | 3.2      | 3.0      |
|                          | 5                 | -15.0 | 3.8              | 3.8      | 3.8      | 3.7      |
|                          | 14                | -10.0 | 4.4              | 4.4      | 4.3      | 4.0      |
|                          | 23                | -5.0  | 5.0              | 5.0      | 4.7      | 4.0      |
|                          | 32                | 0.0   | 5.7              | 5.7      | 4.7      | 4.0      |
|                          | 37                | 2.5   | 6.0              | 6.0      | 4.7      | 4.0      |
|                          | 43                | 6.0   | 6.5              | 6.3      | 4.7      | 4.0      |
|                          | 46                | 7.5   | 6.7              | 6.3      | 4.7      | 4.0      |
|                          | 50                | 10.0  | 7.0              | 6.3      | 4.7      | 4.0      |
|                          | 60                | 15.5  | 7.2              | 6.3      | 4.7      | 4.0      |
| 63<br>(7.1)              | -4                | -20.0 | 4.2              | 4.0      | 4.0      | 3.8      |
|                          | 5                 | -15.0 | 4.8              | 4.8      | 4.8      | 4.6      |
|                          | 14                | -10.0 | 5.6              | 5.6      | 5.5      | 5.1      |
|                          | 23                | -5.0  | 6.4              | 6.4      | 6.0      | 5.1      |
|                          | 32                | 0.0   | 7.2              | 7.2      | 6.0      | 5.1      |
|                          | 37                | 2.5   | 7.6              | 7.6      | 6.0      | 5.1      |
|                          | 43                | 6.0   | 8.2              | 8.0      | 6.0      | 5.1      |
|                          | 46                | 7.5   | 8.5              | 8.0      | 6.0      | 5.1      |
|                          | 50                | 10.0  | 8.8              | 8.0      | 6.0      | 5.1      |
|                          | 60                | 15.5  | 9.2              | 8.0      | 6.0      | 5.1      |

kcal/h = kW x 860, Btu/h = kW x 3,412



# 2. CAPACITY TABLES

## 2-3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|
|                          |                   |      | 71°FDB / 59°FWB   |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |
|                          |                   |      | CA                | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC | CA              | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.9 | 2.1             | 1.9 | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 2.1 | 2.6             | 2.0 | 2.8             | 2.0 |
|                          | 73                | 22.5 | 2.1               | 1.9 | 2.1             | 1.9 | 2.3             | 1.9 | 2.3             | 2.0 | 2.4             | 2.1 | 2.6             | 2.0 | 2.7             | 2.0 |
|                          | 77                | 25.0 | 2.0               | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.1 | 2.6             | 2.0 | 2.7             | 2.0 |
|                          | 82                | 27.5 | 2.0               | 1.8 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |
|                          | 86                | 30.0 | 2.0               | 1.8 | 2.0             | 1.9 | 2.2             | 1.9 | 2.3             | 1.9 | 2.4             | 2.0 | 2.5             | 2.0 | 2.7             | 2.0 |
|                          | 91                | 32.5 | 2.0               | 1.8 | 2.0             | 1.9 | 2.2             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |
|                          | 95                | 35.0 | 2.0               | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |
|                          | 100               | 37.5 | 1.9               | 1.8 | 2.0             | 1.9 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 |
|                          | 104               | 40.0 | 1.9               | 1.8 | 1.9             | 1.9 | 2.1             | 1.9 | 2.1             | 1.9 | 2.2             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 |
| 110                      | 43.0              | 1.9  | 1.8               | 1.9 | 1.8             | 2.1 | 1.8             | 2.1 | 1.9             | 2.2 | 2.0             | 2.4 | 2.0             | 2.6 | 2.0             |     |
| 25<br>(2.8)              | 68                | 20.0 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 73                | 22.5 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.3 | 3.3             | 2.3 | 3.5             | 2.3 |
|                          | 77                | 25.0 | 2.6               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 2.9             | 2.2 | 3.1             | 2.3 | 3.2             | 2.3 | 3.5             | 2.3 |
|                          | 82                | 27.5 | 2.6               | 2.1 | 2.6             | 2.2 | 2.8             | 2.2 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 86                | 30.0 | 2.5               | 2.1 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.2 |
|                          | 91                | 32.5 | 2.5               | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 3.0             | 2.3 | 3.2             | 2.2 | 3.4             | 2.2 |
|                          | 95                | 35.0 | 2.5               | 2.1 | 2.5             | 2.1 | 2.7             | 2.1 | 2.8             | 2.2 | 2.9             | 2.3 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 100               | 37.5 | 2.5               | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
|                          | 104               | 40.0 | 2.4               | 2.0 | 2.5             | 2.1 | 2.7             | 2.1 | 2.7             | 2.1 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |
| 110                      | 43.0              | 2.4  | 2.0               | 2.5 | 2.1             | 2.6 | 2.1             | 2.7 | 2.1             | 2.8 | 2.2             | 3.0 | 2.2             | 3.2 | 2.2             |     |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.5 | 3.5             | 2.5 | 3.7             | 2.5 | 3.9             | 2.6 | 4.0             | 2.7 | 4.2             | 2.6 | 4.5             | 2.6 |
|                          | 73                | 22.5 | 3.4               | 2.5 | 3.5             | 2.5 | 3.7             | 2.5 | 3.8             | 2.5 | 4.0             | 2.6 | 4.2             | 2.6 | 4.5             | 2.6 |
|                          | 77                | 25.0 | 3.3               | 2.4 | 3.4             | 2.5 | 3.7             | 2.5 | 3.8             | 2.5 | 3.9             | 2.6 | 4.2             | 2.6 | 4.4             | 2.6 |
|                          | 82                | 27.5 | 3.3               | 2.4 | 3.4             | 2.5 | 3.6             | 2.5 | 3.7             | 2.5 | 3.9             | 2.6 | 4.1             | 2.6 | 4.3             | 2.5 |
|                          | 86                | 30.0 | 3.3               | 2.4 | 3.3             | 2.5 | 3.6             | 2.5 | 3.7             | 2.5 | 3.9             | 2.6 | 4.1             | 2.6 | 4.4             | 2.5 |
|                          | 91                | 32.5 | 3.2               | 2.4 | 3.3             | 2.4 | 3.5             | 2.4 | 3.6             | 2.5 | 3.8             | 2.6 | 4.1             | 2.6 | 4.3             | 2.5 |
|                          | 95                | 35.0 | 3.2               | 2.4 | 3.3             | 2.4 | 3.5             | 2.4 | 3.6             | 2.4 | 3.7             | 2.5 | 4.0             | 2.5 | 4.3             | 2.5 |
|                          | 100               | 37.5 | 3.2               | 2.4 | 3.2             | 2.4 | 3.5             | 2.4 | 3.5             | 2.4 | 3.7             | 2.5 | 4.0             | 2.5 | 4.2             | 2.5 |
|                          | 104               | 40.0 | 3.1               | 2.3 | 3.2             | 2.4 | 3.4             | 2.4 | 3.5             | 2.4 | 3.7             | 2.5 | 4.0             | 2.5 | 4.2             | 2.5 |
| 110                      | 43.0              | 3.1  | 2.3               | 3.2 | 2.4             | 3.4 | 2.4             | 3.5 | 2.4             | 3.6 | 2.5             | 3.9 | 2.5             | 4.2 | 2.5             |     |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.1 | 4.4             | 3.2 | 4.7             | 3.2 | 4.8             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.7             | 3.3 |
|                          | 73                | 22.5 | 4.2               | 3.1 | 4.3             | 3.2 | 4.6             | 3.1 | 4.8             | 3.2 | 5.0             | 3.3 | 5.3             | 3.3 | 5.6             | 3.2 |
|                          | 77                | 25.0 | 4.2               | 3.1 | 4.3             | 3.1 | 4.6             | 3.1 | 4.7             | 3.2 | 4.9             | 3.3 | 5.2             | 3.3 | 5.6             | 3.2 |
|                          | 82                | 27.5 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.1 | 4.7             | 3.1 | 4.9             | 3.3 | 5.2             | 3.2 | 5.4             | 3.2 |
|                          | 86                | 30.0 | 4.1               | 3.0 | 4.2             | 3.1 | 4.5             | 3.1 | 4.6             | 3.1 | 4.8             | 3.3 | 5.1             | 3.2 | 5.4             | 3.2 |
|                          | 91                | 32.5 | 4.1               | 3.0 | 4.1             | 3.1 | 4.4             | 3.0 | 4.5             | 3.1 | 4.8             | 3.2 | 5.1             | 3.2 | 5.4             | 3.2 |
|                          | 95                | 35.0 | 4.0               | 3.0 | 4.1             | 3.0 | 4.4             | 3.0 | 4.5             | 3.1 | 4.7             | 3.2 | 5.0             | 3.2 | 5.4             | 3.1 |
|                          | 100               | 37.5 | 4.0               | 3.0 | 4.0             | 3.0 | 4.3             | 3.0 | 4.4             | 3.0 | 4.7             | 3.2 | 5.0             | 3.2 | 5.3             | 3.1 |
|                          | 104               | 40.0 | 3.9               | 2.9 | 4.0             | 3.0 | 4.3             | 3.0 | 4.4             | 3.0 | 4.6             | 3.2 | 5.0             | 3.2 | 5.3             | 3.1 |
| 110                      | 43.0              | 3.9  | 2.9               | 3.9 | 3.0             | 4.2 | 3.0             | 4.3 | 3.0             | 4.5 | 3.1             | 4.9 | 3.1             | 5.2 | 3.1             |     |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.9 | 5.5             | 4.0 | 5.8             | 4.0 | 6.0             | 4.1 | 6.2             | 4.2 | 6.6             | 4.2 | 7.1             | 4.1 |
|                          | 73                | 22.5 | 5.3               | 3.9 | 5.4             | 4.0 | 5.8             | 4.0 | 5.9             | 4.0 | 6.2             | 4.2 | 6.6             | 4.2 | 7.0             | 4.1 |
|                          | 77                | 25.0 | 5.2               | 3.9 | 5.3             | 4.0 | 5.7             | 4.0 | 5.9             | 4.0 | 6.1             | 4.2 | 6.5             | 4.1 | 6.9             | 4.1 |
|                          | 82                | 27.5 | 5.2               | 3.8 | 5.3             | 3.9 | 5.7             | 3.9 | 5.8             | 4.0 | 6.0             | 4.2 | 6.4             | 4.1 | 6.7             | 4.0 |
|                          | 86                | 30.0 | 5.1               | 3.8 | 5.2             | 3.9 | 5.6             | 3.9 | 5.8             | 4.0 | 6.0             | 4.1 | 6.4             | 4.1 | 6.8             | 4.0 |
|                          | 91                | 32.5 | 5.0               | 3.8 | 5.2             | 3.9 | 5.5             | 3.9 | 5.7             | 3.9 | 5.9             | 4.1 | 6.3             | 4.1 | 6.7             | 4.0 |
|                          | 95                | 35.0 | 5.0               | 3.8 | 5.1             | 3.8 | 5.5             | 3.8 | 5.6             | 3.9 | 5.8             | 4.1 | 6.3             | 4.0 | 6.7             | 4.0 |
|                          | 100               | 37.5 | 4.9               | 3.7 | 5.0             | 3.8 | 5.4             | 3.8 | 5.5             | 3.9 | 5.8             | 4.0 | 6.2             | 4.0 | 6.6             | 4.0 |
|                          | 104               | 40.0 | 4.8               | 3.7 | 5.0             | 3.8 | 5.3             | 3.8 | 5.4             | 3.8 | 5.7             | 4.0 | 6.2             | 4.0 | 6.6             | 3.9 |
| 110                      | 43.0              | 4.8  | 3.7               | 4.9 | 3.8             | 5.3 | 3.8             | 5.4 | 3.8             | 5.7 | 4.0             | 6.0 | 4.0             | 6.5 | 3.9             |     |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 4.9 | 6.9             | 5.0 | 7.4             | 5.0 | 7.6             | 5.0 | 7.9             | 5.2 | 8.4             | 5.1 | 8.9             | 5.1 |
|                          | 73                | 22.5 | 6.7               | 4.8 | 6.9             | 4.9 | 7.3             | 4.9 | 7.5             | 5.0 | 7.8             | 5.2 | 8.3             | 5.1 | 8.8             | 5.1 |
|                          | 77                | 25.0 | 6.6               | 4.8 | 6.8             | 4.9 | 7.2             | 4.9 | 7.5             | 4.9 | 7.7             | 5.1 | 8.2             | 5.1 | 8.8             | 5.0 |
|                          | 82                | 27.5 | 6.5               | 4.8 | 6.7             | 4.9 | 7.2             | 4.9 | 7.4             | 4.9 | 7.7             | 5.1 | 8.2             | 5.1 | 8.5             | 4.9 |
|                          | 86                | 30.0 | 6.5               | 4.7 | 6.6             | 4.8 | 7.1             | 4.8 | 7.3             | 4.9 | 7.6             | 5.1 | 8.1             | 5.0 | 8.6             | 5.0 |
|                          | 91                | 32.5 | 6.4               | 4.7 | 6.5             | 4.8 | 7.0             | 4.8 | 7.2             | 4.8 | 7.5             | 5.1 | 8.0             | 5.0 | 8.5             | 4.9 |
|                          | 95                | 35.0 | 6.3               | 4.7 | 6.4             | 4.7 | 6.9             | 4.7 | 7.1             | 4.8 | 7.4             | 5.0 | 8.0             | 5.0 | 8.4             | 4.9 |
|                          | 100               | 37.5 | 6.2               | 4.6 | 6.4             | 4.7 | 6.8             | 4.7 | 7.0             | 4.7 | 7.3             | 5.0 | 7.8             | 4.9 | 8.4             | 4.9 |
|                          | 104               | 40.0 | 6.1               | 4.6 | 6.3             | 4.7 | 6.8             | 4.7 | 6.9             | 4.7 | 7.2             | 4.9 | 7.8             | 4.9 | 8.3             | 4.9 |
| 110                      | 43.0              | 6.1  | 4.5               | 6.2 | 4.6             | 6.7 | 4.6             | 6.8 | 4.7             | 7.2 | 4.9             | 7.7 | 4.9             | 8.2 | 4.8             |     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-3b. Heating capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PFFY-P-VLEM-E,VLRM-E SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | -4                | -20.0 | 1.3                 | 1.3                 | 1.3                 | 1.3                 |
|                          | 5                 | -15.0 | 1.6                 | 1.5                 | 1.5                 | 1.5                 |
|                          | 14                | -10.0 | 1.8                 | 1.8                 | 1.7                 | 1.7                 |
|                          | 23                | -5.0  | 2.1                 | 2.0                 | 1.9                 | 1.8                 |
|                          | 32                | 0.0   | 2.3                 | 2.3                 | 2.0                 | 1.8                 |
|                          | 37                | 2.5   | 2.4                 | 2.4                 | 2.0                 | 1.8                 |
|                          | 43                | 6.0   | 2.6                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 46                | 7.5   | 2.7                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 50                | 10.0  | 2.8                 | 2.5                 | 2.0                 | 1.8                 |
|                          | 55                | 12.5  | 2.9                 | 2.5                 | 2.0                 | 1.8                 |
| 60                       | 15.5              | 2.9   | 2.5                 | 2.0                 | 1.8                 |                     |
| 25<br>(2.8)              | -4                | -20.0 | 1.7                 | 1.6                 | 1.6                 | 1.6                 |
|                          | 5                 | -15.0 | 2.0                 | 1.9                 | 1.9                 | 1.9                 |
|                          | 14                | -10.0 | 2.3                 | 2.2                 | 2.2                 | 2.1                 |
|                          | 23                | -5.0  | 2.6                 | 2.6                 | 2.5                 | 2.3                 |
|                          | 32                | 0.0   | 2.9                 | 2.9                 | 2.5                 | 2.3                 |
|                          | 37                | 2.5   | 3.1                 | 3.0                 | 2.5                 | 2.3                 |
|                          | 43                | 6.0   | 3.3                 | 3.2                 | 2.5                 | 2.3                 |
|                          | 46                | 7.5   | 3.4                 | 3.2                 | 2.5                 | 2.3                 |
|                          | 50                | 10.0  | 3.6                 | 3.2                 | 2.5                 | 2.3                 |
|                          | 55                | 12.5  | 3.7                 | 3.2                 | 2.5                 | 2.3                 |
| 60                       | 15.5              | 3.7   | 3.2                 | 2.5                 | 2.3                 |                     |
| 32<br>(3.6)              | -4                | -20.0 | 2.1                 | 2.0                 | 2.0                 | 2.0                 |
|                          | 5                 | -15.0 | 2.5                 | 2.4                 | 2.4                 | 2.3                 |
|                          | 14                | -10.0 | 2.9                 | 2.8                 | 2.7                 | 2.6                 |
|                          | 23                | -5.0  | 3.3                 | 3.2                 | 3.1                 | 2.8                 |
|                          | 32                | 0.0   | 3.7                 | 3.6                 | 3.2                 | 2.8                 |
|                          | 37                | 2.5   | 3.8                 | 3.8                 | 3.2                 | 2.8                 |
|                          | 43                | 6.0   | 4.1                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 46                | 7.5   | 4.2                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 50                | 10.0  | 4.4                 | 4.0                 | 3.2                 | 2.8                 |
|                          | 55                | 12.5  | 4.6                 | 4.0                 | 3.2                 | 2.8                 |
| 60                       | 15.5              | 4.6   | 4.0                 | 3.2                 | 2.8                 |                     |
| 40<br>(4.5)              | -4                | -20.0 | 2.7                 | 2.6                 | 2.6                 | 2.5                 |
|                          | 5                 | -15.0 | 3.1                 | 3.0                 | 3.0                 | 2.9                 |
|                          | 14                | -10.0 | 3.6                 | 3.5                 | 3.4                 | 3.3                 |
|                          | 23                | -5.0  | 4.1                 | 4.0                 | 3.9                 | 3.5                 |
|                          | 32                | 0.0   | 4.6                 | 4.5                 | 4.0                 | 3.5                 |
|                          | 37                | 2.5   | 4.8                 | 4.8                 | 4.0                 | 3.5                 |
|                          | 43                | 6.0   | 5.2                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 46                | 7.5   | 5.3                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 50                | 10.0  | 5.6                 | 5.0                 | 4.0                 | 3.5                 |
|                          | 55                | 12.5  | 5.8                 | 5.0                 | 4.0                 | 3.5                 |
| 60                       | 15.5              | 5.8   | 5.0                 | 4.0                 | 3.5                 |                     |
| 50<br>(5.6)              | -4                | -20.0 | 3.3                 | 3.2                 | 3.2                 | 3.2                 |
|                          | 5                 | -15.0 | 3.9                 | 3.8                 | 3.8                 | 3.7                 |
|                          | 14                | -10.0 | 4.5                 | 4.4                 | 4.3                 | 4.2                 |
|                          | 23                | -5.0  | 5.2                 | 5.0                 | 4.9                 | 4.4                 |
|                          | 32                | 0.0   | 5.8                 | 5.7                 | 5.0                 | 4.4                 |
|                          | 37                | 2.5   | 6.0                 | 6.0                 | 5.0                 | 4.4                 |
|                          | 43                | 6.0   | 6.5                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 46                | 7.5   | 6.7                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 50                | 10.0  | 7.0                 | 6.3                 | 5.0                 | 4.4                 |
|                          | 55                | 12.5  | 7.3                 | 6.3                 | 5.0                 | 4.4                 |
| 60                       | 15.5              | 7.3   | 6.3                 | 5.0                 | 4.4                 |                     |
| 63<br>(7.1)              | -4                | -20.0 | 4.2                 | 4.1                 | 4.1                 | 4.0                 |
|                          | 5                 | -15.0 | 5.0                 | 4.8                 | 4.8                 | 4.6                 |
|                          | 14                | -10.0 | 5.8                 | 5.6                 | 5.4                 | 5.3                 |
|                          | 23                | -5.0  | 6.6                 | 6.4                 | 6.2                 | 5.6                 |
|                          | 32                | 0.0   | 7.4                 | 7.2                 | 6.4                 | 5.6                 |
|                          | 37                | 2.5   | 7.7                 | 7.6                 | 6.4                 | 5.6                 |
|                          | 43                | 6.0   | 8.2                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 46                | 7.5   | 8.5                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 50                | 10.0  | 8.9                 | 8.0                 | 6.4                 | 5.6                 |
|                          | 55                | 12.5  | 9.3                 | 8.0                 | 6.4                 | 5.6                 |
| 60                       | 15.5              | 9.3   | 8.0                 | 6.4                 | 5.6                 |                     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-4a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Water temp. |      | Indoor air temp.                     |     |                                    |     |                                    |     |                                    |     |                                    |     |                                    |     |                                    |     |
|--------------------------|-------------|------|--------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
|                          |             |      | 71°FDB / 59°FWB<br>21.5°CDB / 15°CWB |     | 73°FDB / 61°FWB<br>23°CDB / 16°CWB |     | 77°FDB / 64°FWB<br>25°CDB / 18°CWB |     | 81°FDB / 66°FWB<br>27°CDB / 19°CWB |     | 82°FDB / 68°FWB<br>28°CDB / 20°CWB |     | 86°FDB / 72°FWB<br>30°CDB / 22°CWB |     | 90°FDB / 75°FWB<br>32°CDB / 24°CWB |     |
|                          | °F          | °C   | CA                                   | SHC | CA                                 | SHC | CA                                 | SHC | CA                                 | SHC | CA                                 | SHC | CA                                 | SHC | CA                                 | SHC |
| 20<br>(2.2)              | 50          | 10.0 | 2.2                                  | 1.9 | 2.3                                | 2.0 | 2.4                                | 2.0 | 2.5                                | 2.0 | 2.6                                | 2.1 | 2.7                                | 2.1 | 2.9                                | 2.1 |
|                          | 68          | 20.0 | 2.1                                  | 1.9 | 2.1                                | 1.9 | 2.3                                | 1.9 | 2.4                                | 2.0 | 2.4                                | 2.1 | 2.6                                | 2.0 | 2.7                                | 2.0 |
|                          | 86          | 30.0 | 1.9                                  | 1.8 | 2.0                                | 1.9 | 2.1                                | 1.9 | 2.2                                | 1.9 | 2.3                                | 2.0 | 2.4                                | 2.0 | 2.5                                | 2.0 |
|                          | 104         | 40.0 | 1.7                                  | 1.7 | 1.8                                | 1.8 | 1.9                                | 1.8 | 2.0                                | 1.8 | 2.1                                | 1.9 | 2.2                                | 1.9 | 2.3                                | 1.9 |
|                          | 113         | 45.0 | 1.6                                  | 1.7 | 1.7                                | 1.7 | 1.8                                | 1.7 | 1.9                                | 1.8 | 1.9                                | 1.9 | 2.0                                | 1.9 | 2.2                                | 1.8 |
| 25<br>(2.8)              | 50          | 10.0 | 2.8                                  | 2.2 | 2.9                                | 2.3 | 3.1                                | 2.3 | 3.2                                | 2.3 | 3.3                                | 2.4 | 3.5                                | 2.4 | 3.7                                | 2.3 |
|                          | 68          | 20.0 | 2.6                                  | 2.1 | 2.7                                | 2.2 | 2.9                                | 2.2 | 3.0                                | 2.2 | 3.1                                | 2.3 | 3.3                                | 2.3 | 3.5                                | 2.3 |
|                          | 86          | 30.0 | 2.5                                  | 2.0 | 2.5                                | 2.1 | 2.7                                | 2.1 | 2.8                                | 2.2 | 2.9                                | 2.2 | 3.1                                | 2.2 | 3.2                                | 2.2 |
|                          | 104         | 40.0 | 2.2                                  | 1.9 | 2.3                                | 2.0 | 2.5                                | 2.0 | 2.5                                | 2.0 | 2.6                                | 2.1 | 2.8                                | 2.1 | 2.9                                | 2.1 |
|                          | 113         | 45.0 | 2.1                                  | 1.9 | 2.1                                | 1.9 | 2.3                                | 1.9 | 2.4                                | 2.0 | 2.4                                | 2.1 | 2.6                                | 2.0 | 2.7                                | 2.0 |
| 32<br>(3.6)              | 50          | 10.0 | 3.6                                  | 2.6 | 3.7                                | 2.6 | 3.9                                | 2.6 | 4.1                                | 2.6 | 4.2                                | 2.7 | 4.5                                | 2.7 | 4.7                                | 2.7 |
|                          | 68          | 20.0 | 3.4                                  | 2.5 | 3.5                                | 2.5 | 3.7                                | 2.5 | 3.9                                | 2.6 | 4.0                                | 2.6 | 4.2                                | 2.6 | 4.5                                | 2.6 |
|                          | 86          | 30.0 | 3.2                                  | 2.3 | 3.3                                | 2.4 | 3.5                                | 2.4 | 3.6                                | 2.4 | 3.7                                | 2.5 | 3.9                                | 2.5 | 4.2                                | 2.5 |
|                          | 104         | 40.0 | 2.9                                  | 2.2 | 3.0                                | 2.3 | 3.2                                | 2.3 | 3.3                                | 2.3 | 3.4                                | 2.4 | 3.6                                | 2.4 | 3.8                                | 2.3 |
|                          | 113         | 45.0 | 2.7                                  | 2.1 | 2.8                                | 2.2 | 3.0                                | 2.2 | 3.0                                | 2.2 | 3.1                                | 2.3 | 3.3                                | 2.3 | 3.5                                | 2.2 |
| 40<br>(4.5)              | 50          | 10.0 | 4.5                                  | 3.2 | 4.6                                | 3.3 | 4.9                                | 3.3 | 5.1                                | 3.3 | 5.2                                | 3.4 | 5.6                                | 3.4 | 5.9                                | 3.3 |
|                          | 68          | 20.0 | 4.2                                  | 3.1 | 4.4                                | 3.2 | 4.7                                | 3.2 | 4.8                                | 3.2 | 5.0                                | 3.3 | 5.3                                | 3.3 | 5.6                                | 3.2 |
|                          | 86          | 30.0 | 3.9                                  | 2.9 | 4.1                                | 3.0 | 4.4                                | 3.0 | 4.5                                | 3.1 | 4.6                                | 3.2 | 4.9                                | 3.1 | 5.2                                | 3.1 |
|                          | 104         | 40.0 | 3.6                                  | 2.8 | 3.7                                | 2.9 | 3.9                                | 2.8 | 4.1                                | 2.9 | 4.2                                | 3.0 | 4.5                                | 3.0 | 4.7                                | 2.9 |
|                          | 113         | 45.0 | 3.3                                  | 2.7 | 3.5                                | 2.7 | 3.7                                | 2.7 | 3.8                                | 2.8 | 3.9                                | 2.9 | 4.2                                | 2.9 | 4.4                                | 2.8 |
| 50<br>(5.6)              | 50          | 10.0 | 5.5                                  | 4.0 | 5.7                                | 4.2 | 6.1                                | 4.1 | 6.3                                | 4.2 | 6.5                                | 4.4 | 6.9                                | 4.3 | 7.3                                | 4.2 |
|                          | 68          | 20.0 | 5.3                                  | 3.9 | 5.4                                | 4.0 | 5.8                                | 4.0 | 6.0                                | 4.1 | 6.2                                | 4.2 | 6.6                                | 4.2 | 6.9                                | 4.1 |
|                          | 86          | 30.0 | 4.9                                  | 3.7 | 5.1                                | 3.8 | 5.4                                | 3.8 | 5.6                                | 3.9 | 5.8                                | 4.0 | 6.1                                | 4.0 | 6.5                                | 3.9 |
|                          | 104         | 40.0 | 4.4                                  | 3.5 | 4.6                                | 3.6 | 4.9                                | 3.6 | 5.1                                | 3.7 | 5.2                                | 3.8 | 5.5                                | 3.8 | 5.9                                | 3.7 |
|                          | 113         | 45.0 | 4.2                                  | 3.4 | 4.3                                | 3.5 | 4.6                                | 3.5 | 4.7                                | 3.5 | 4.9                                | 3.7 | 5.2                                | 3.6 | 5.5                                | 3.6 |
| 63<br>(7.1)              | 50          | 10.0 | 7.0                                  | 5.0 | 7.3                                | 5.2 | 7.8                                | 5.1 | 8.0                                | 5.2 | 8.3                                | 5.4 | 8.8                                | 5.3 | 9.3                                | 5.2 |
|                          | 68          | 20.0 | 6.7                                  | 4.8 | 6.9                                | 5.0 | 7.4                                | 4.9 | 7.6                                | 5.0 | 7.8                                | 5.2 | 8.3                                | 5.1 | 8.8                                | 5.0 |
|                          | 86          | 30.0 | 6.2                                  | 4.6 | 6.4                                | 4.7 | 6.9                                | 4.7 | 7.1                                | 4.8 | 7.3                                | 5.0 | 7.8                                | 4.9 | 8.2                                | 4.8 |
|                          | 104         | 40.0 | 5.6                                  | 4.3 | 5.8                                | 4.5 | 6.2                                | 4.4 | 6.4                                | 4.5 | 6.6                                | 4.7 | 7.0                                | 4.6 | 7.4                                | 4.5 |
|                          | 113         | 45.0 | 5.3                                  | 4.1 | 5.4                                | 4.3 | 5.8                                | 4.3 | 6.0                                | 4.3 | 6.2                                | 4.5 | 6.6                                | 4.4 | 6.9                                | 4.4 |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-4b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Water temp. |    | Indoor air temp. : °CDB |                     |                     |                     |                     |
|--------------------------|-------------|----|-------------------------|---------------------|---------------------|---------------------|---------------------|
|                          |             |    | 59 °FDB<br>15.0°CDB     | 66 °FDB<br>19.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °F          | °C | SHC                     | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | 50          | 10 | 2.0                     | 2.0                 | 2.0                 | 1.7                 | 1.5                 |
|                          | 68          | 20 | 2.5                     | 2.5                 | 2.5                 | 2.1                 | 1.9                 |
|                          | 86          | 30 | 2.5                     | 2.5                 | 2.5                 | 2.1                 | 1.9                 |
|                          | 104         | 40 | 2.5                     | 2.5                 | 2.5                 | 2.1                 | 1.9                 |
|                          | 113         | 45 | 2.5                     | 2.5                 | 2.5                 | 2.1                 | 1.9                 |
| 25<br>(2.8)              | 50          | 10 | 2.5                     | 2.5                 | 2.5                 | 2.1                 | 2.0                 |
|                          | 68          | 20 | 3.2                     | 3.2                 | 3.2                 | 2.7                 | 2.5                 |
|                          | 86          | 30 | 3.2                     | 3.2                 | 3.2                 | 2.7                 | 2.5                 |
|                          | 104         | 40 | 3.2                     | 3.2                 | 3.2                 | 2.7                 | 2.5                 |
|                          | 113         | 45 | 3.2                     | 3.2                 | 3.2                 | 2.7                 | 2.5                 |
| 32<br>(3.6)              | 50          | 10 | 3.2                     | 3.2                 | 3.2                 | 2.7                 | 2.4                 |
|                          | 68          | 20 | 4.0                     | 4.0                 | 4.0                 | 3.4                 | 3.1                 |
|                          | 86          | 30 | 4.0                     | 4.0                 | 4.0                 | 3.4                 | 3.1                 |
|                          | 104         | 40 | 4.0                     | 4.0                 | 4.0                 | 3.4                 | 3.1                 |
|                          | 113         | 45 | 4.0                     | 4.0                 | 4.0                 | 3.4                 | 3.1                 |
| 40<br>(4.5)              | 50          | 10 | 4.0                     | 4.0                 | 4.0                 | 3.4                 | 3.1                 |
|                          | 68          | 20 | 5.0                     | 5.0                 | 5.0                 | 4.2                 | 3.9                 |
|                          | 86          | 30 | 5.0                     | 5.0                 | 5.0                 | 4.2                 | 3.9                 |
|                          | 104         | 40 | 5.0                     | 5.0                 | 5.0                 | 4.2                 | 3.9                 |
|                          | 113         | 45 | 5.0                     | 5.0                 | 5.0                 | 4.2                 | 3.9                 |
| 50<br>(5.6)              | 50          | 10 | 5.0                     | 5.0                 | 5.0                 | 4.2                 | 3.9                 |
|                          | 68          | 20 | 6.3                     | 6.3                 | 6.3                 | 5.3                 | 4.9                 |
|                          | 86          | 30 | 6.3                     | 6.3                 | 6.3                 | 5.3                 | 4.9                 |
|                          | 104         | 40 | 6.3                     | 6.3                 | 6.3                 | 5.3                 | 4.9                 |
|                          | 113         | 45 | 6.3                     | 6.3                 | 6.3                 | 5.3                 | 4.9                 |
| 63<br>(7.1)              | 50          | 10 | 6.3                     | 6.3                 | 6.3                 | 5.4                 | 4.9                 |
|                          | 68          | 20 | 8.0                     | 8.0                 | 8.0                 | 6.8                 | 6.2                 |
|                          | 86          | 30 | 8.0                     | 8.0                 | 8.0                 | 6.8                 | 6.2                 |
|                          | 104         | 40 | 8.0                     | 8.0                 | 8.0                 | 6.8                 | 6.2                 |
|                          | 113         | 45 | 8.0                     | 8.0                 | 8.0                 | 6.8                 | 6.2                 |

kcal/h = kW x 860, Btu/h = kW x 3,412

# 2. CAPACITY TABLES

## 2-5a. Cooling capacity in combination with PUMY-P100,125,140YHM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

| Model size<br>(Rated kW) | Outdoor air temp. |      | Indoor air temp.  |     |                 |     |                 |     |                 |     |                 |     |                 |     |                 |     |     |
|--------------------------|-------------------|------|-------------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----------------|-----|-----|
|                          |                   |      | 71°FDB / 59°FWB   |     | 73°FDB / 61°FWB |     | 77°FDB / 64°FWB |     | 81°FDB / 66°FWB |     | 82°FDB / 68°FWB |     | 86°FDB / 72°FWB |     | 90°FDB / 75°FWB |     |     |
|                          | °FDB              | °CDB | 21.5°CDB / 15°CWB |     | 23°CDB / 16°CWB |     | 25°CDB / 18°CWB |     | 27°CDB / 19°CWB |     | 28°CDB / 20°CWB |     | 30°CDB / 22°CWB |     | 32°CDB / 24°CWB |     |     |
|                          |                   | CA   | SHC               | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC             | CA  | SHC |
| 20<br>(2.2)              | 68                | 20.0 | 2.1               | 1.9 | 2.2             | 1.9 | 2.3             | 1.9 | 2.4             | 2.1 | 2.4             | 2.1 | 2.6             | 2.1 | 2.7             | 2.1 |     |
|                          | 73                | 22.5 | 2.1               | 1.8 | 2.1             | 1.9 | 2.3             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 | 2.7             | 2.1 |     |
|                          | 77                | 25.0 | 2.0               | 1.8 | 2.1             | 1.9 | 2.2             | 1.9 | 2.3             | 2.0 | 2.4             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |     |
|                          | 82                | 27.5 | 2.0               | 1.8 | 2.1             | 1.8 | 2.2             | 1.9 | 2.3             | 2.0 | 2.3             | 2.0 | 2.5             | 2.0 | 2.6             | 2.0 |     |
|                          | 86                | 30.0 | 2.0               | 1.8 | 2.0             | 1.8 | 2.2             | 1.9 | 2.2             | 2.0 | 2.3             | 2.0 | 2.4             | 2.0 | 2.6             | 2.0 |     |
|                          | 91                | 32.5 | 1.9               | 1.7 | 2.0             | 1.8 | 2.1             | 1.8 | 2.2             | 1.9 | 2.3             | 1.9 | 2.4             | 2.0 | 2.6             | 2.0 |     |
|                          | 95                | 35.0 | 1.9               | 1.7 | 2.0             | 1.8 | 2.1             | 1.8 | 2.2             | 1.9 | 2.2             | 1.9 | 2.4             | 1.9 | 2.5             | 2.0 |     |
|                          | 100               | 37.5 | 1.9               | 1.7 | 1.9             | 1.7 | 2.1             | 1.8 | 2.1             | 1.9 | 2.2             | 1.9 | 2.4             | 1.9 | 2.5             | 1.9 |     |
|                          | 104               | 40.0 | 1.8               | 1.6 | 1.9             | 1.7 | 2.0             | 1.7 | 2.1             | 1.8 | 2.2             | 1.9 | 2.3             | 1.9 | 2.5             | 1.9 |     |
| 110                      | 43.0              | 1.8  | 1.6               | 1.8 | 1.6             | 2.0 | 1.7             | 2.1 | 1.8             | 2.1 | 1.8             | 2.3 | 1.9             | 2.4 | 1.9             |     |     |
| 25<br>(2.8)              | 68                | 20.0 | 2.7               | 2.1 | 2.7             | 2.2 | 2.9             | 2.2 | 3.0             | 2.3 | 3.1             | 2.3 | 3.2             | 2.3 | 3.4             | 2.3 |     |
|                          | 73                | 22.5 | 2.6               | 2.1 | 2.7             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.0             | 2.3 | 3.2             | 2.3 | 3.4             | 2.3 |     |
|                          | 77                | 25.0 | 2.6               | 2.0 | 2.7             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.3 | 3.2             | 2.3 | 3.3             | 2.2 |     |
|                          | 82                | 27.5 | 2.6               | 2.0 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 3.0             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |     |
|                          | 86                | 30.0 | 2.5               | 2.0 | 2.6             | 2.1 | 2.8             | 2.1 | 2.9             | 2.2 | 2.9             | 2.2 | 3.1             | 2.2 | 3.3             | 2.2 |     |
|                          | 91                | 32.5 | 2.5               | 1.9 | 2.6             | 2.0 | 2.7             | 2.0 | 2.8             | 2.2 | 2.9             | 2.2 | 3.1             | 2.2 | 3.2             | 2.2 |     |
|                          | 95                | 35.0 | 2.4               | 1.9 | 2.5             | 2.0 | 2.7             | 2.0 | 2.8             | 2.1 | 2.9             | 2.1 | 3.0             | 2.2 | 3.2             | 2.1 |     |
|                          | 100               | 37.5 | 2.4               | 1.9 | 2.5             | 1.9 | 2.6             | 2.0 | 2.7             | 2.1 | 2.8             | 2.1 | 3.0             | 2.1 | 3.2             | 2.1 |     |
|                          | 104               | 40.0 | 2.3               | 1.8 | 2.4             | 1.9 | 2.6             | 1.9 | 2.7             | 2.1 | 2.8             | 2.1 | 3.0             | 2.1 | 3.2             | 2.1 |     |
| 110                      | 43.0              | 2.3  | 1.8               | 2.4 | 1.9             | 2.5 | 1.9             | 2.6 | 2.0             | 2.7 | 2.0             | 2.9 | 2.1             | 3.1 | 2.1             |     |     |
| 32<br>(3.6)              | 68                | 20.0 | 3.4               | 2.4 | 3.5             | 2.5 | 3.7             | 2.5 | 3.9             | 2.6 | 4.0             | 2.6 | 4.2             | 2.6 | 4.4             | 2.5 |     |
|                          | 73                | 22.5 | 3.4               | 2.4 | 3.5             | 2.4 | 3.7             | 2.4 | 3.8             | 2.6 | 3.9             | 2.6 | 4.1             | 2.6 | 4.3             | 2.5 |     |
|                          | 77                | 25.0 | 3.3               | 2.3 | 3.4             | 2.4 | 3.7             | 2.4 | 3.8             | 2.6 | 3.9             | 2.5 | 4.1             | 2.5 | 4.3             | 2.5 |     |
|                          | 82                | 27.5 | 3.3               | 2.3 | 3.4             | 2.4 | 3.6             | 2.4 | 3.7             | 2.5 | 3.8             | 2.5 | 4.0             | 2.5 | 4.3             | 2.5 |     |
|                          | 86                | 30.0 | 3.2               | 2.3 | 3.3             | 2.3 | 3.6             | 2.3 | 3.7             | 2.5 | 3.8             | 2.5 | 4.0             | 2.5 | 4.2             | 2.4 |     |
|                          | 91                | 32.5 | 3.2               | 2.2 | 3.3             | 2.3 | 3.5             | 2.3 | 3.6             | 2.5 | 3.7             | 2.5 | 4.0             | 2.4 | 4.2             | 2.4 |     |
|                          | 95                | 35.0 | 3.1               | 2.2 | 3.2             | 2.2 | 3.5             | 2.3 | 3.6             | 2.4 | 3.7             | 2.4 | 3.9             | 2.4 | 4.1             | 2.4 |     |
|                          | 100               | 37.5 | 3.0               | 2.1 | 3.2             | 2.2 | 3.4             | 2.2 | 3.5             | 2.4 | 3.6             | 2.4 | 3.9             | 2.4 | 4.1             | 2.4 |     |
|                          | 104               | 40.0 | 3.0               | 2.1 | 3.1             | 2.2 | 3.3             | 2.2 | 3.5             | 2.3 | 3.6             | 2.4 | 3.8             | 2.4 | 4.1             | 2.3 |     |
| 110                      | 43.0              | 2.9  | 2.0               | 3.0 | 2.1             | 3.3 | 2.1             | 3.4 | 2.3             | 3.5 | 2.3             | 3.7 | 2.3             | 4.0 | 2.3             |     |     |
| 40<br>(4.5)              | 68                | 20.0 | 4.3               | 3.0 | 4.4             | 3.1 | 4.7             | 3.1 | 4.8             | 3.3 | 5.0             | 3.3 | 5.2             | 3.2 | 5.5             | 3.2 |     |
|                          | 73                | 22.5 | 4.2               | 3.0 | 4.4             | 3.1 | 4.6             | 3.1 | 4.8             | 3.2 | 4.9             | 3.2 | 5.2             | 3.2 | 5.4             | 3.2 |     |
|                          | 77                | 25.0 | 4.2               | 2.9 | 4.3             | 3.0 | 4.6             | 3.0 | 4.7             | 3.2 | 4.8             | 3.2 | 5.1             | 3.2 | 5.4             | 3.1 |     |
|                          | 82                | 27.5 | 4.1               | 2.9 | 4.2             | 3.0 | 4.5             | 3.0 | 4.6             | 3.2 | 4.8             | 3.2 | 5.1             | 3.1 | 5.3             | 3.1 |     |
|                          | 86                | 30.0 | 4.1               | 2.8 | 4.2             | 2.9 | 4.5             | 2.9 | 4.6             | 3.1 | 4.7             | 3.1 | 5.0             | 3.1 | 5.3             | 3.1 |     |
|                          | 91                | 32.5 | 4.0               | 2.8 | 4.1             | 2.9 | 4.4             | 2.9 | 4.5             | 3.1 | 4.7             | 3.1 | 4.9             | 3.1 | 5.2             | 3.0 |     |
|                          | 95                | 35.0 | 3.9               | 2.7 | 4.0             | 2.8 | 4.3             | 2.9 | 4.5             | 3.0 | 4.6             | 3.0 | 4.9             | 3.0 | 5.2             | 3.0 |     |
|                          | 100               | 37.5 | 3.8               | 2.7 | 3.9             | 2.8 | 4.2             | 2.8 | 4.4             | 3.0 | 4.5             | 3.0 | 4.8             | 3.0 | 5.1             | 3.0 |     |
|                          | 104               | 40.0 | 3.7               | 2.6 | 3.9             | 2.7 | 4.2             | 2.8 | 4.3             | 2.9 | 4.5             | 3.0 | 4.8             | 3.0 | 5.1             | 3.0 |     |
| 110                      | 43.0              | 3.6  | 2.5               | 3.8 | 2.7             | 4.1 | 2.7             | 4.2 | 2.9             | 4.4 | 2.9             | 4.7 | 2.9             | 5.0 | 2.9             |     |     |
| 50<br>(5.6)              | 68                | 20.0 | 5.3               | 3.8 | 5.5             | 3.9 | 5.8             | 3.9 | 6.0             | 4.2 | 6.2             | 4.2 | 6.5             | 4.1 | 6.8             | 4.1 |     |
|                          | 73                | 22.5 | 5.3               | 3.7 | 5.4             | 3.9 | 5.8             | 3.9 | 5.9             | 4.1 | 6.1             | 4.1 | 6.4             | 4.1 | 6.8             | 4.0 |     |
|                          | 77                | 25.0 | 5.2               | 3.7 | 5.3             | 3.8 | 5.7             | 3.8 | 5.9             | 4.1 | 6.0             | 4.1 | 6.4             | 4.0 | 6.7             | 4.0 |     |
|                          | 82                | 27.5 | 5.1               | 3.6 | 5.3             | 3.8 | 5.6             | 3.8 | 5.8             | 4.0 | 6.0             | 4.0 | 6.3             | 4.0 | 6.6             | 3.9 |     |
|                          | 86                | 30.0 | 5.0               | 3.6 | 5.2             | 3.7 | 5.5             | 3.7 | 5.7             | 4.0 | 5.9             | 4.0 | 6.2             | 3.9 | 6.6             | 3.9 |     |
|                          | 91                | 32.5 | 4.9               | 3.5 | 5.1             | 3.6 | 5.5             | 3.7 | 5.6             | 3.9 | 5.8             | 3.9 | 6.1             | 3.9 | 6.5             | 3.9 |     |
|                          | 95                | 35.0 | 4.8               | 3.5 | 5.0             | 3.6 | 5.4             | 3.6 | 5.5             | 3.8 | 5.7             | 3.9 | 6.1             | 3.9 | 6.4             | 3.8 |     |
|                          | 100               | 37.5 | 4.7               | 3.4 | 4.9             | 3.5 | 5.3             | 3.6 | 5.5             | 3.8 | 5.6             | 3.8 | 6.0             | 3.8 | 6.4             | 3.8 |     |
|                          | 104               | 40.0 | 4.6               | 3.3 | 4.8             | 3.4 | 5.2             | 3.5 | 5.4             | 3.7 | 5.6             | 3.7 | 5.9             | 3.8 | 6.3             | 3.7 |     |
| 110                      | 43.0              | 4.5  | 3.2               | 4.7 | 3.4             | 5.1 | 3.4             | 5.3 | 3.7             | 5.5 | 3.7             | 5.8 | 3.7             | 6.2 | 3.7             |     |     |
| 63<br>(7.1)              | 68                | 20.0 | 6.7               | 4.7 | 7.0             | 4.8 | 7.4             | 4.8 | 7.6             | 5.1 | 7.8             | 5.1 | 8.2             | 5.1 | 8.7             | 5.0 |     |
|                          | 73                | 22.5 | 6.7               | 4.6 | 6.9             | 4.8 | 7.3             | 4.8 | 7.5             | 5.1 | 7.7             | 5.0 | 8.1             | 5.0 | 8.6             | 4.9 |     |
|                          | 77                | 25.0 | 6.6               | 4.6 | 6.8             | 4.7 | 7.2             | 4.7 | 7.4             | 5.0 | 7.6             | 5.0 | 8.1             | 4.9 | 8.5             | 4.9 |     |
|                          | 82                | 27.5 | 6.5               | 4.5 | 6.7             | 4.6 | 7.1             | 4.7 | 7.3             | 4.9 | 7.5             | 4.9 | 8.0             | 4.9 | 8.4             | 4.8 |     |
|                          | 86                | 30.0 | 6.4               | 4.4 | 6.6             | 4.6 | 7.0             | 4.6 | 7.2             | 4.9 | 7.5             | 4.9 | 7.9             | 4.8 | 8.3             | 4.8 |     |
|                          | 91                | 32.5 | 6.3               | 4.3 | 6.5             | 4.5 | 6.9             | 4.5 | 7.1             | 4.8 | 7.4             | 4.8 | 7.8             | 4.8 | 8.2             | 4.7 |     |
|                          | 95                | 35.0 | 6.1               | 4.3 | 6.4             | 4.4 | 6.8             | 4.4 | 7.0             | 4.7 | 7.3             | 4.7 | 7.7             | 4.7 | 8.2             | 4.7 |     |
|                          | 100               | 37.5 | 6.0               | 4.2 | 6.2             | 4.3 | 6.7             | 4.4 | 6.9             | 4.7 | 7.2             | 4.7 | 7.6             | 4.7 | 8.1             | 4.6 |     |
|                          | 104               | 40.0 | 5.9               | 4.1 | 6.1             | 4.2 | 6.6             | 4.3 | 6.8             | 4.6 | 7.1             | 4.6 | 7.5             | 4.6 | 8.0             | 4.6 |     |
| 110                      | 43.0              | 5.7  | 4.0               | 6.0 | 4.1             | 6.4 | 4.2             | 6.7 | 4.5             | 6.9 | 4.5             | 7.4 | 4.5             | 7.9 | 4.5             |     |     |

kcal/h = kW x 860, Btu/h = kW x 3,412

## 2. CAPACITY TABLES

R410A Data G2

### 2-5b. Heating capacity in combination with PUMY-P100,125,140YHM

PFFY-P-VLEM-E, VLRM-E SHC : Sensible Heat Capacity(kW)

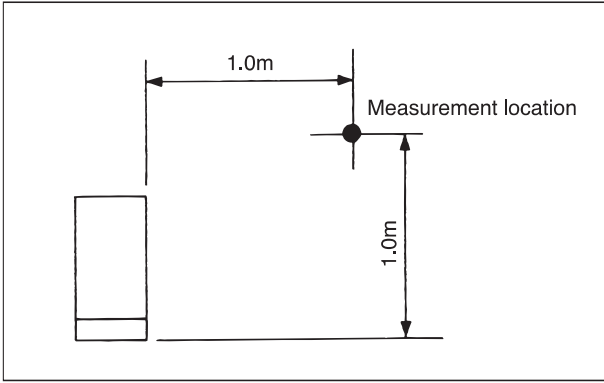
| Model size<br>(Rated kW) | Outdoor air temp. |       | Indoor air temp.    |                     |                     |                     |
|--------------------------|-------------------|-------|---------------------|---------------------|---------------------|---------------------|
|                          |                   |       | 59 °FDB<br>15.0°CDB | 68 °FDB<br>20.0°CDB | 77 °FDB<br>25.0°CDB | 81 °FDB<br>27.0°CDB |
|                          | °FWB              | °CWB  | SHC                 | SHC                 | SHC                 | SHC                 |
| 20<br>(2.2)              | -4                | -20.0 | 1.6                 | 1.6                 | 1.5                 | 1.5                 |
|                          | 5                 | -15.0 | 1.8                 | 1.7                 | 1.6                 | 1.6                 |
|                          | 14                | -10.0 | 1.9                 | 1.8                 | 1.8                 | 1.8                 |
|                          | 23                | -5.0  | 2.1                 | 2.1                 | 2.0                 | 2.0                 |
|                          | 32                | 0.0   | 2.4                 | 2.3                 | 2.2                 | 2.2                 |
|                          | 37                | 2.5   | 2.5                 | 2.4                 | 2.3                 | 2.3                 |
|                          | 43                | 6.0   | 2.6                 | 2.5                 | 2.5                 | 2.4                 |
|                          | 46                | 7.5   | 2.7                 | 2.7                 | 2.5                 | 2.4                 |
|                          | 50                | 10.0  | 2.8                 | 2.8                 | 2.5                 | 2.4                 |
|                          | 55                | 12.5  | 3.0                 | 2.9                 | 2.5                 | 2.4                 |
| 60                       | 15.5              | 3.0   | 2.9                 | 2.5                 | 2.4                 |                     |
| 25<br>(2.8)              | -4                | -20.0 | 2.1                 | 2.0                 | 1.9                 | 1.9                 |
|                          | 5                 | -15.0 | 2.2                 | 2.1                 | 2.1                 | 2.0                 |
|                          | 14                | -10.0 | 2.4                 | 2.3                 | 2.3                 | 2.2                 |
|                          | 23                | -5.0  | 2.7                 | 2.7                 | 2.5                 | 2.5                 |
|                          | 32                | 0.0   | 3.0                 | 2.9                 | 2.8                 | 2.8                 |
|                          | 37                | 2.5   | 3.2                 | 3.1                 | 3.0                 | 2.9                 |
|                          | 43                | 6.0   | 3.3                 | 3.2                 | 3.2                 | 3.1                 |
|                          | 46                | 7.5   | 3.5                 | 3.4                 | 3.2                 | 3.1                 |
|                          | 50                | 10.0  | 3.6                 | 3.5                 | 3.2                 | 3.1                 |
|                          | 55                | 12.5  | 3.8                 | 3.7                 | 3.2                 | 3.1                 |
| 60                       | 15.5              | 3.9   | 3.7                 | 3.2                 | 3.1                 |                     |
| 32<br>(3.6)              | -4                | -20.0 | 2.6                 | 2.5                 | 2.4                 | 2.4                 |
|                          | 5                 | -15.0 | 2.8                 | 2.7                 | 2.6                 | 2.6                 |
|                          | 14                | -10.0 | 3.0                 | 2.9                 | 2.8                 | 2.8                 |
|                          | 23                | -5.0  | 3.4                 | 3.3                 | 3.2                 | 3.1                 |
|                          | 32                | 0.0   | 3.8                 | 3.7                 | 3.5                 | 3.5                 |
|                          | 37                | 2.5   | 4.0                 | 3.8                 | 3.7                 | 3.7                 |
|                          | 43                | 6.0   | 4.1                 | 4.0                 | 4.0                 | 3.9                 |
|                          | 46                | 7.5   | 4.3                 | 4.2                 | 4.0                 | 3.9                 |
|                          | 50                | 10.0  | 4.5                 | 4.4                 | 4.0                 | 3.9                 |
|                          | 55                | 12.5  | 4.7                 | 4.6                 | 4.0                 | 3.9                 |
| 60                       | 15.5              | 4.8   | 4.6                 | 4.0                 | 3.9                 |                     |
| 40<br>(4.5)              | -4                | -20.0 | 3.3                 | 3.2                 | 3.0                 | 3.0                 |
|                          | 5                 | -15.0 | 3.5                 | 3.4                 | 3.3                 | 3.2                 |
|                          | 14                | -10.0 | 3.8                 | 3.7                 | 3.6                 | 3.5                 |
|                          | 23                | -5.0  | 4.3                 | 4.2                 | 4.0                 | 3.9                 |
|                          | 32                | 0.0   | 4.7                 | 4.6                 | 4.4                 | 4.4                 |
|                          | 37                | 2.5   | 5.0                 | 4.8                 | 4.7                 | 4.6                 |
|                          | 43                | 6.0   | 5.1                 | 5.0                 | 5.0                 | 4.9                 |
|                          | 46                | 7.5   | 5.4                 | 5.3                 | 5.0                 | 4.9                 |
|                          | 50                | 10.0  | 5.7                 | 5.5                 | 5.0                 | 4.9                 |
|                          | 55                | 12.5  | 5.9                 | 5.8                 | 5.0                 | 4.9                 |
| 60                       | 15.5              | 6.1   | 5.8                 | 5.0                 | 4.9                 |                     |
| 50<br>(5.6)              | -4                | -20.0 | 4.1                 | 4.0                 | 3.8                 | 3.7                 |
|                          | 5                 | -15.0 | 4.4                 | 4.2                 | 4.1                 | 4.0                 |
|                          | 14                | -10.0 | 4.7                 | 4.6                 | 4.5                 | 4.4                 |
|                          | 23                | -5.0  | 5.4                 | 5.2                 | 5.0                 | 4.9                 |
|                          | 32                | 0.0   | 5.9                 | 5.8                 | 5.5                 | 5.5                 |
|                          | 37                | 2.5   | 6.2                 | 6.0                 | 5.9                 | 5.8                 |
|                          | 43                | 6.0   | 6.4                 | 6.3                 | 6.2                 | 6.1                 |
|                          | 46                | 7.5   | 6.8                 | 6.7                 | 6.2                 | 6.1                 |
|                          | 50                | 10.0  | 7.1                 | 6.9                 | 6.2                 | 6.1                 |
|                          | 55                | 12.5  | 7.4                 | 7.2                 | 6.2                 | 6.1                 |
| 60                       | 15.5              | 7.6   | 7.2                 | 6.2                 | 6.1                 |                     |
| 63<br>(7.1)              | -4                | -20.0 | 5.2                 | 5.0                 | 4.8                 | 4.7                 |
|                          | 5                 | -15.0 | 5.6                 | 5.4                 | 5.2                 | 5.1                 |
|                          | 14                | -10.0 | 6.0                 | 5.8                 | 5.7                 | 5.6                 |
|                          | 23                | -5.0  | 6.8                 | 6.6                 | 6.3                 | 6.2                 |
|                          | 32                | 0.0   | 7.5                 | 7.4                 | 7.0                 | 7.0                 |
|                          | 37                | 2.5   | 7.9                 | 7.7                 | 7.4                 | 7.4                 |
|                          | 43                | 6.0   | 8.2                 | 8.0                 | 7.9                 | 7.8                 |
|                          | 46                | 7.5   | 8.6                 | 8.5                 | 7.9                 | 7.8                 |
|                          | 50                | 10.0  | 9.0                 | 8.8                 | 7.9                 | 7.8                 |
|                          | 55                | 12.5  | 9.4                 | 9.2                 | 7.9                 | 7.8                 |
| 60                       | 15.5              | 9.7   | 9.2                 | 7.9                 | 7.8                 |                     |

kcal/h = kW x 860, Btu/h = kW x 3,412

# 3. SOUND LEVELS

## 3-1. Sound levels

PFFY-P-VLEM-E, VLRM-E

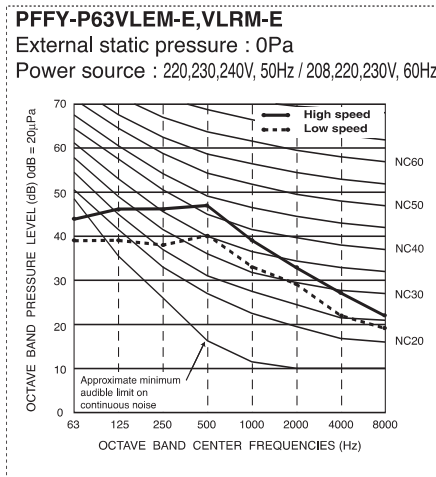
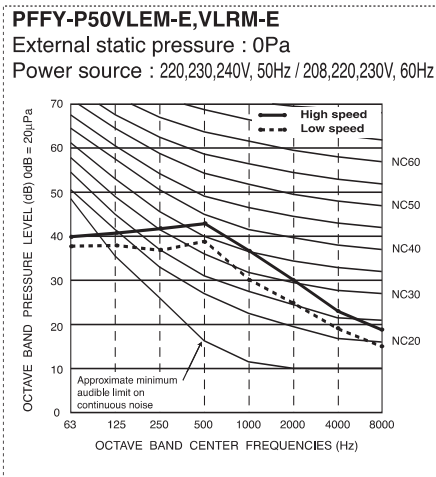
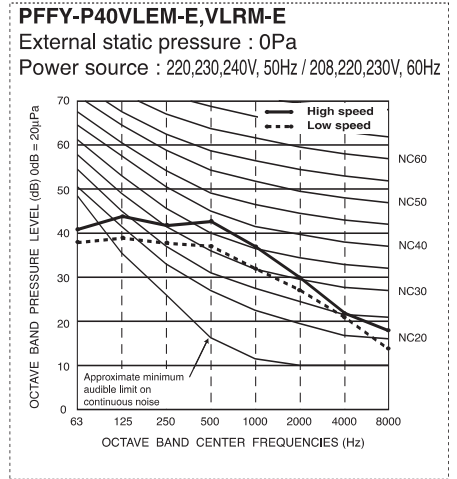
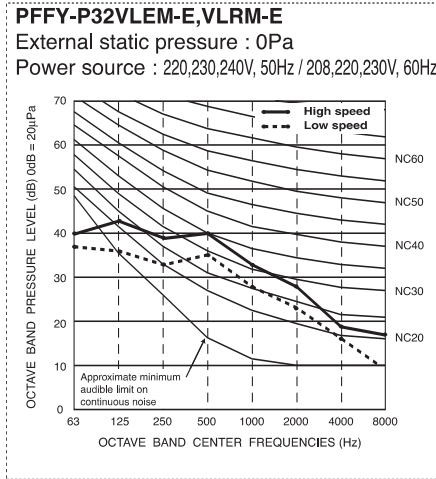
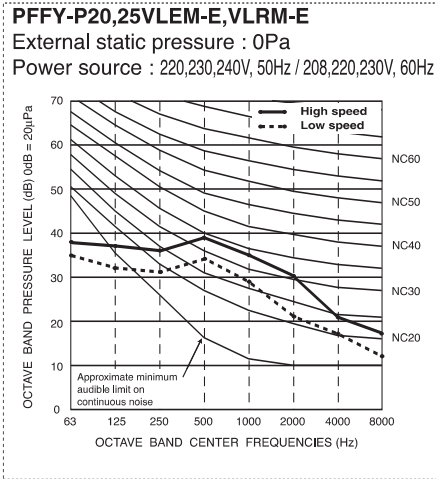


\* Measured in anechoic room.

Sound level at anechoic room : Low-High

|                | Sound level dB (A) |
|----------------|--------------------|
| PFFY-P20VLEM-E | 34-40              |
| PFFY-P20VLRM-E |                    |
| PFFY-P25VLEM-E |                    |
| PFFY-P25VLRM-E | 35-40              |
| PFFY-P32VLEM-E |                    |
| PFFY-P32VLRM-E |                    |
| PFFY-P40VLEM-E | 38-43              |
| PFFY-P40VLRM-E |                    |
| PFFY-P50VLEM-E |                    |
| PFFY-P50VLRM-E |                    |
| PFFY-P63VLEM-E | 40-46              |
| PFFY-P63VLRM-E |                    |

## 3-2. NC curves

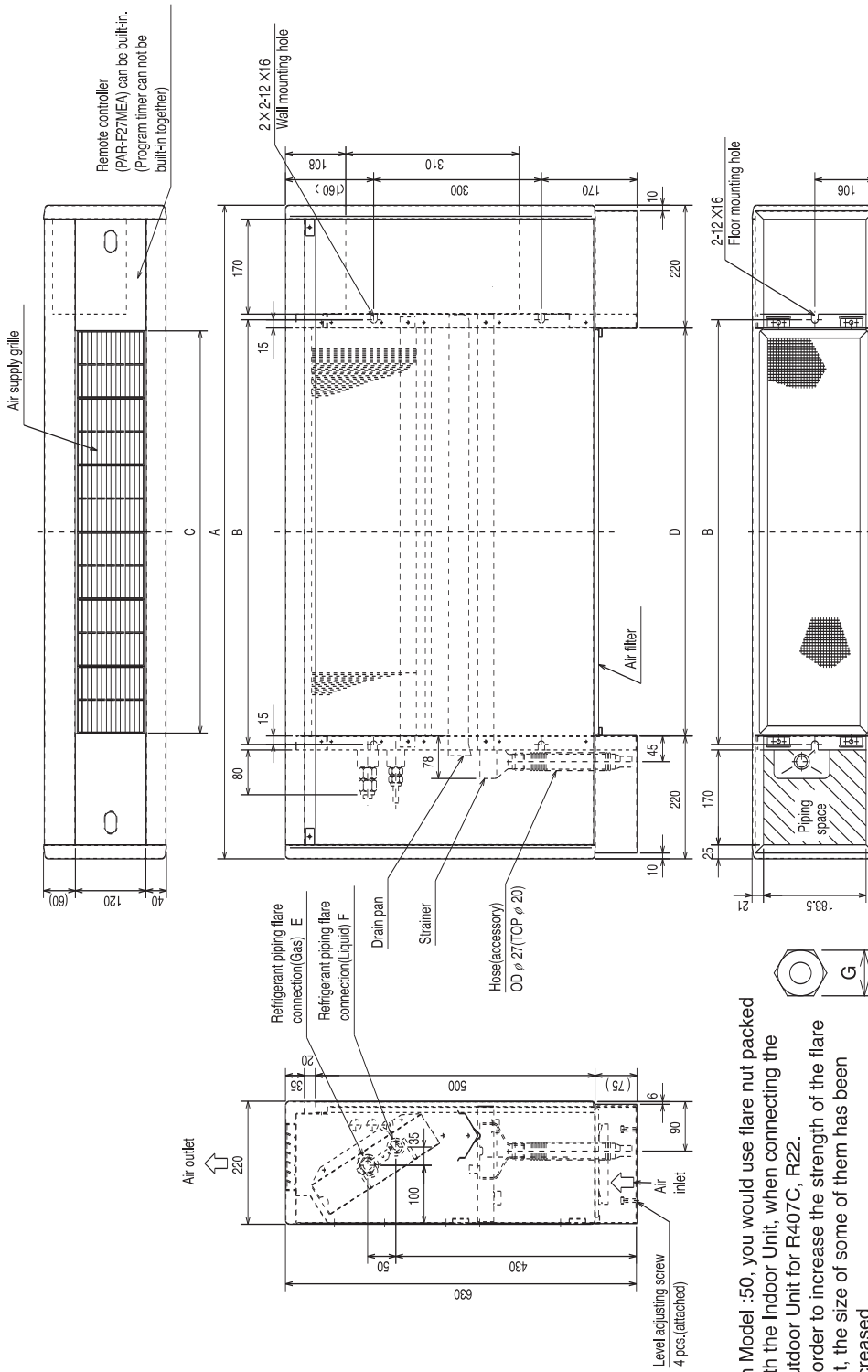


# 4. EXTERNAL DIMENSIONS

R410A Data G2

PFFY-P20,25,32,40,50,63VLEM-E

Drw. : IU-W65-3950  
Unit : mm



Note: 1. On Model :50, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.  
2. In order to increase the strength of the flare nut, the size of some of them has been increased.

Dimensions

| Model          | A    | B    | C   | D   | E(Gas)    | F(Liquid) | G(Liquid) | G(Gas) |
|----------------|------|------|-----|-----|-----------|-----------|-----------|--------|
| PFFY-P20VLEM-E | 1050 | 640  | 600 | 610 | φ12.7     | φ6.35     | 17        | 27     |
| PFFY-P25VLEM-E | 1050 | 640  | 600 | 610 | φ12.7     | φ6.35     | 17        | 27     |
| PFFY-P32VLEM-E | 1170 | 760  | 720 | 730 | φ12.7     | φ6.35     | 17        | 27     |
| PFFY-P40VLEM-E | 1170 | 760  | 720 | 730 | φ12.7     | φ6.35     | 17        | 27     |
| PFFY-P50VLEM-E | 1410 | 1000 | 960 | 970 | *1 φ12.7  | *1 φ6.35  | *1 22     | *1 29  |
| PFFY-P63VLEM-E | 1410 | 1000 | 960 | 970 | *2 φ15.88 | *2 φ9.52  | *2 22     | *2 29  |
|                |      |      |     |     | φ15.88    | φ9.52     | 22        | 29     |

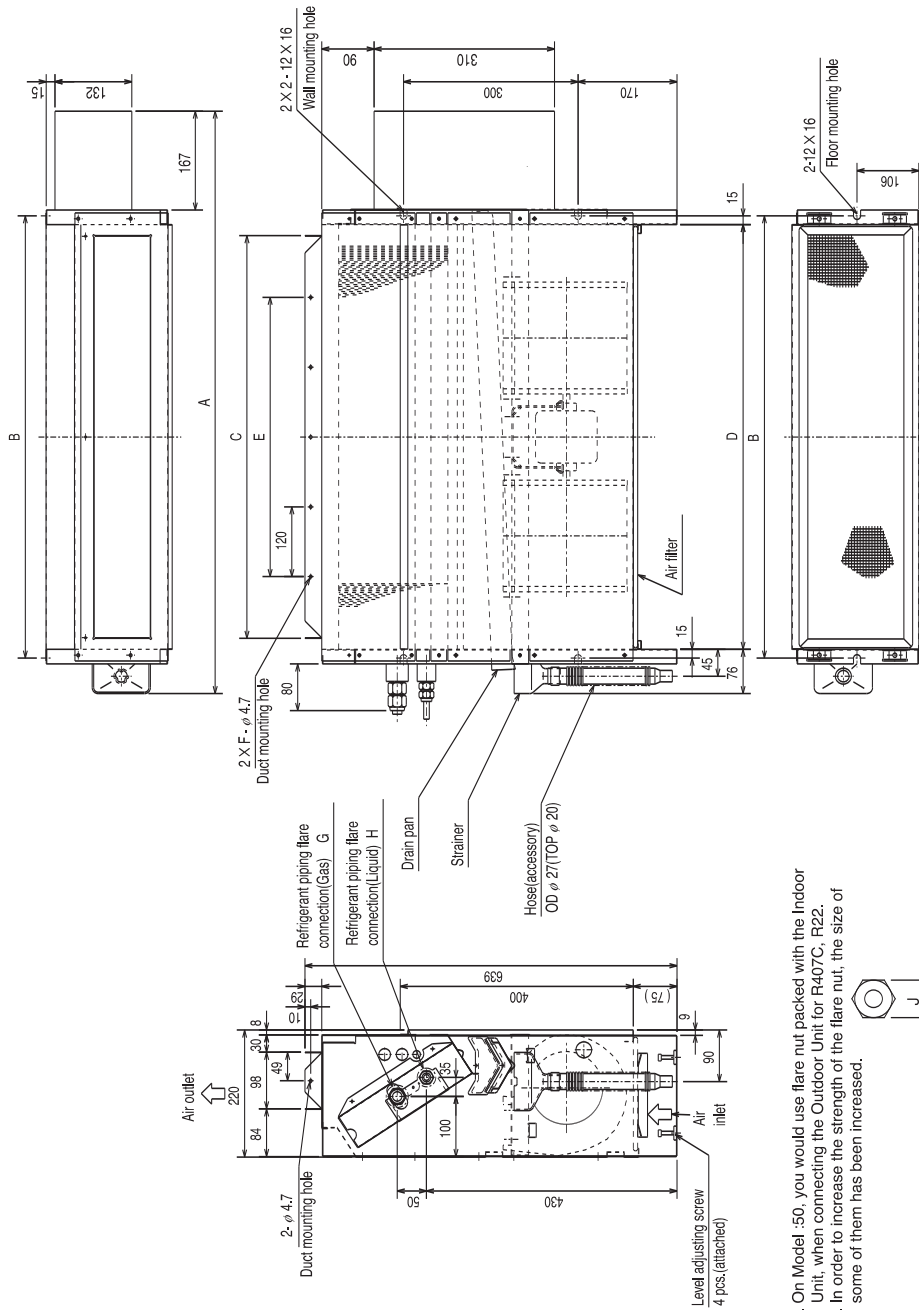
\*1:R410A outdoor unit  
\*2:R407C,R22 outdoor unit



# 4. EXTERNAL DIMENSIONS

PFFY-P20,25,32,40,50,63VLRM-E

Drw. : IU-W65-3951  
Unit : mm



Note: 1. On Model :50, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.  
2. In order to increase the strength of the flare nut, the size of some of them has been increased.

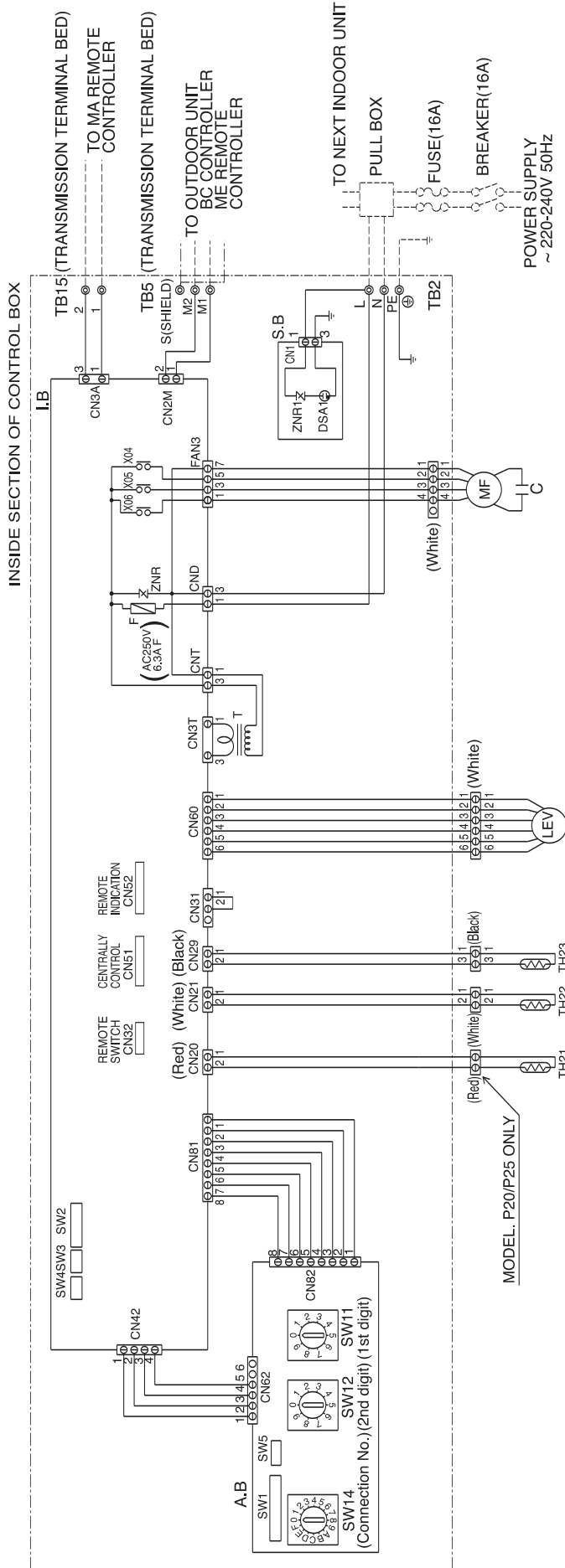
Dimensions

| Model          | A    | B    | C   | D   | E   | F | G(Gas) | H(Liquid) | J(Liquid) | J(Gas) |
|----------------|------|------|-----|-----|-----|---|--------|-----------|-----------|--------|
| PFFY-P20VLRM-E | 886  | 640  | 572 | 610 | 360 | 4 | ø12.7  | ø6.35     | 17        | 27     |
| PFFY-P25VLRM-E | 886  | 640  | 572 | 610 | 360 | 4 | ø12.7  | ø6.35     | 17        | 27     |
| PFFY-P32VLRM-E | 1006 | 760  | 692 | 730 | 480 | 5 | ø12.7  | ø6.35     | 17        | 27     |
| PFFY-P40VLRM-E | 1006 | 760  | 692 | 730 | 480 | 5 | ø12.7  | ø6.35     | 17        | 27     |
| PFFY-P50VLRM-E | 1246 | 1000 | 932 | 970 | 720 | 7 | ø12.7  | ø6.35     | *:1       | *:1    |
| PFFY-P63VLRM-E | 1246 | 1000 | 932 | 970 | 720 | 7 | ø15.88 | ø9.52     | *:2       | *:2    |
|                |      |      |     |     |     |   | ø15.88 | ø9.52     | 22        | 29     |
|                |      |      |     |     |     |   | ø15.88 | ø9.52     | 22        | 29     |

\*:1:R410A outdoor unit  
\*:2:R407C, R22 outdoor unit

PFFY-P20,25,32,40,50,63VLEM-E, VLRM-E

Drw. : IU-W65-3960

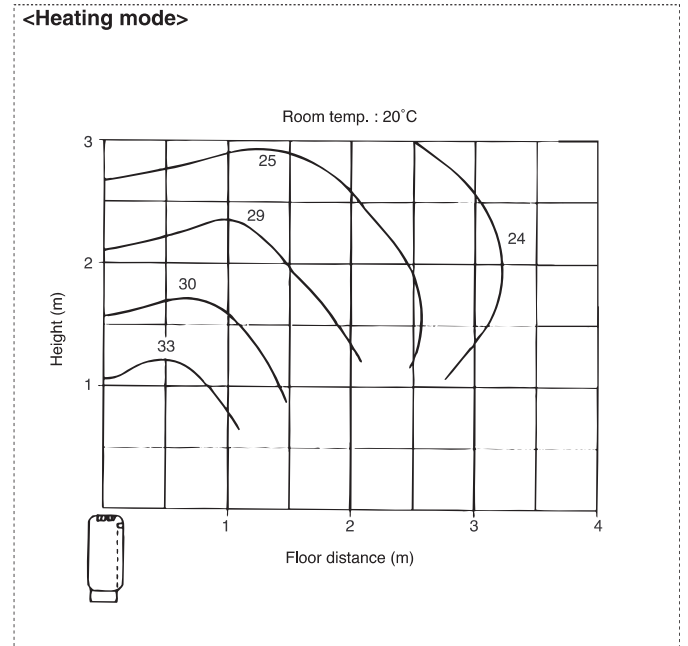
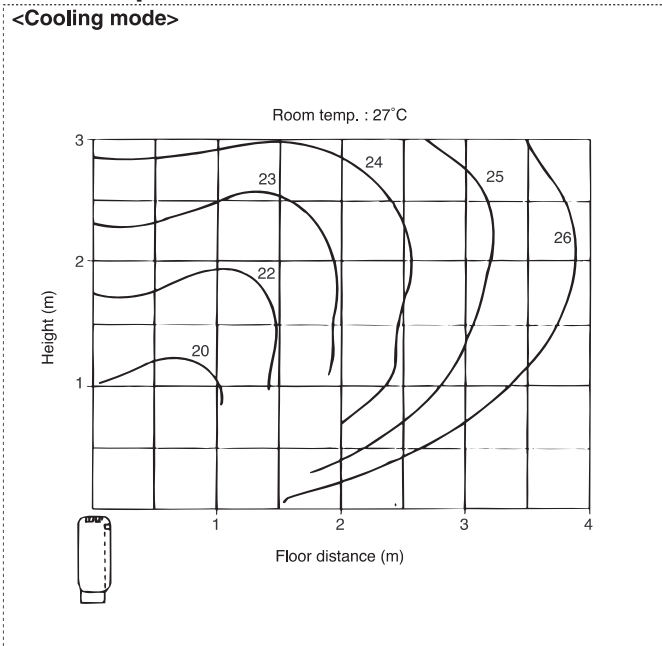


SYMBOL EXPLANATION

| SYMBOL | NAME                              | SYMBOL      | NAME                                      |
|--------|-----------------------------------|-------------|---|
| MF     | Fan motor                         | TH22        | Thermistor (piping temp.detection/liquid) |
| C      | *Capacitor (for MF)               | TH23        | Thermistor (piping temp.detection/gas)    |
| I. B   | Indoor controller board           | SW11 (A. B) | Switch (1st digit address set)            |
| A. B   | Address board                     | SW12 (A. B) | Switch (2nd digit address set)            |
| T B2   | Power source terminal bed         | SW14 (A. B) | Switch (connection No.set)                |
| T B5   | Transmission terminal bed         | SW1 (A. B)  | Switch(for mode selection)                |
| T B15  | Transmission terminal bed         | SW2 (I. B)  | Switch(for capacity code)                 |
| F      | Fuse AC250V 6.3A F                | SW3 (I. B)  | Switch(for mode selection)                |
| T      | Transformer                       | SW4 (I. B)  | Switch(for model selection)               |
| LEV    | Electronic linear expans. valve   | SW5 (A. B)  | Switch(for voltage selection)             |
| S. B   | Surge absorber board              | X04~06      | Aux.relay                                 |
| TH21   | Thermistor (inlet temp.detection) |             |   |

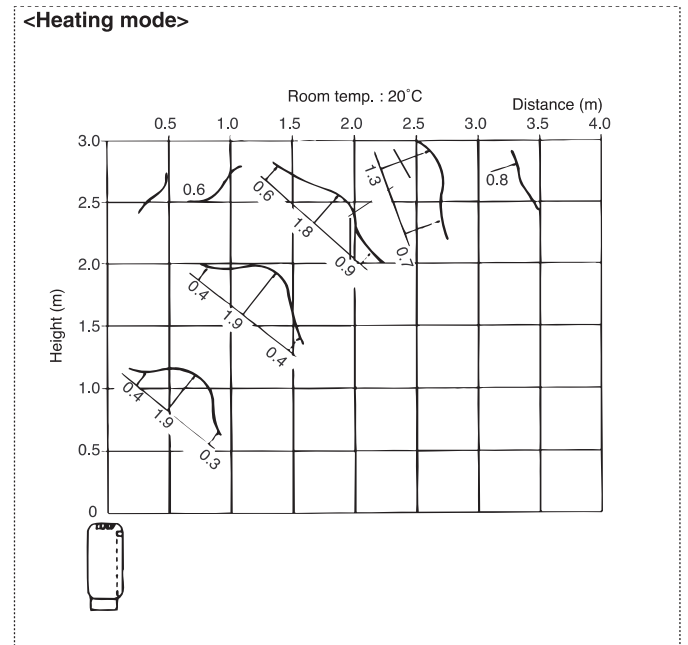
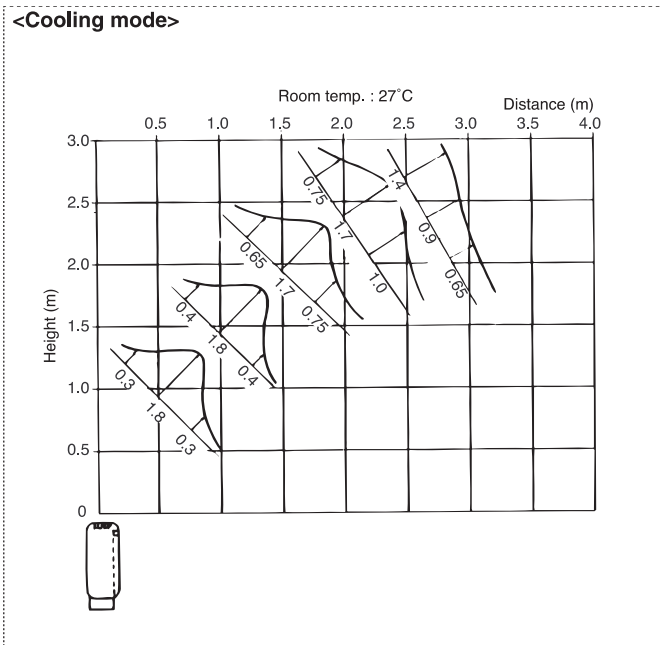
\*Capacitor  
 MODELS 20/25/32/40 1.5F  
 MODEL 50 2.0F  
 MODEL 63 2.5F

## 6-1. Temperature distributions



Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

## 6-2. Airflow distributions



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J**
- V<sub>a</sub>
- V<sub>b</sub>
- BC