

## PERFORMANCE DATA

50Hz

| HL-i3                  |               |               | Ambient temperature $T_a$ °C |               |               |                 |               |               |                 |               |               |                 |               |               |                 |               |               |                 |    | Tmax.<br>(°C) |
|------------------------|---------------|---------------|------------------------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|-----------------|----|---------------|
| R407C<br>$T_o$<br>(°C) | 25            |               |                              | 32            |               |                 | 35            |               |                 | 38            |               |                 | 40            |               |                 | 43            |               |                 |    |               |
|                        | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h)              | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h) | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h) | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h) | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h) | $P_C$<br>(kW) | $P_a$<br>(Kw) | $F_W$<br>(m³/h) |    |               |
| -5                     | 1.65          | 0.47          | 0.4                          | 1.54          | 0.54          | 0.3             | 1.50          | 0.58          | 0.3             | 1.45          | 0.62          | 0.2             | 1.73          | 0.68          | 0.3             | 1.98          | 0.86          | 0.3             | 47 |               |
| 0                      | 2.03          | 0.50          | 0.4                          | 1.90          | 0.58          | 0.4             | 1.84          | 0.61          | 0.4             | 1.78          | 0.66          | 0.3             | 2.12          | 0.78          | 0.3             | 2.23          | 0.95          | 0.4             | 47 |               |
| 5                      | 2.49          | 0.57          | 0.4                          | 2.32          | 0.67          | 0.4             | 2.26          | 0.70          | 0.4             | 2.19          | 0.76          | 0.3             | 2.28          | 0.82          | 0.4             | 2.12          | 0.91          | 0.3             | 47 |               |
| 7                      | 2.68          | 0.60          | 0.4                          | 2.50          | 0.70          | 0.4             | 2.43          | 0.74          | 0.4             | 2.35          | 0.80          | 0.4             | 2.28          | 0.82          | 0.4             | 2.12          | 0.91          | 0.3             | 46 |               |
| 9                      | 2.81          | 0.62          | 0.5                          | 2.63          | 0.73          | 0.4             | 2.55          | 0.76          | 0.4             | 2.47          | 0.83          | 0.4             | 2.39          | 0.85          | 0.4             | 2.23          | 0.95          | 0.4             | 46 |               |
| 11                     | 3.08          | 0.64          | 0.6                          | 2.88          | 0.75          | 0.5             | 2.79          | 0.79          | 0.4             | 2.70          | 0.85          | 0.4             | 2.62          | 0.88          | 0.4             | 2.44          | 0.97          | 0.4             | 45 |               |
| 13                     | 3.21          | 0.65          | 0.7                          | 3.00          | 0.76          | 0.6             | 2.91          | 0.80          | 0.5             | 2.82          | 0.87          | 0.5             | 2.73          | 0.89          | 0.4             | 2.55          | 0.99          | 0.4             | 44 |               |
| 15                     | 3.48          | 0.67          | 0.7                          | 3.25          | 0.78          | 0.6             | 3.15          | 0.82          | 0.6             | 3.06          | 0.89          | 0.5             | 2.96          | 0.91          | 0.5             | 2.96          | 0.91          | 0.5             | 43 |               |

Note: When water outlet temperature required at -5°C, need to change the LP switch from standard part No.

T5303-23 (0.3MPa On, 0.15MPa Off) to part No. T5303-24 (0.2MPa On, 0.1MPa Off). (except model HL i70-i180)

$T_o$ : evaporator outlet water temperatures;

$P_c$ : cooling capacity;

$P_a$ : power absorbed by the compressors;

$F_w$ : water flow rate ( $\Delta t=5^\circ\text{C}$ )

Interpolation is allowed, extrapolation is not permitted.

To calculate  $P_c$ ,  $P_a$  and  $F_w$  for  $\Delta t \neq 5^\circ\text{C}$  when examining the table "Correction factors for  $\Delta t \neq 5^\circ\text{C}$ "

## HL-i3: Overall Dimension

