

PERFORMANCE DATA

50Hz

HL-B90			Ambient temperature T_a °C															Tmax. (°C)	
R407C T_o (°C)	25			32			35			38			40			43			
	P_C (kW)	P_a (Kw)	F_w (m³/h)	P_C (kW)	P_a (Kw)	F_w (m³/h)	P_C (kW)	P_a (Kw)	F_w (m³/h)	P_C (kW)	P_a (Kw)	F_w (m³/h)	P_C (kW)	P_a (Kw)	F_w (m³/h)	P_C (kW)	P_a (Kw)	F_w (m³/h)	
-5	40.4	14.4	6.97	37.8	16.8	6.51	36.7	17.7	6.32	35.5	18.9	6.12	42.0	20.0	7.24				47
0	49.4	14.7	8.51	46.2	17.1	7.96	44.8	17.9	6.72	43.4	19.2	7.48							47
5	59.7	14.9	10.3	55.8	17.3	9.61	54.1	18.2	9.32	52.5	19.5	9.03	50.8	20.3	8.75	47.4	22.5	8.17	47
7	64.2	15.2	11.1	60.0	17.7	10.3	58.2	18.6	10.0	56.4	19.9	9.71	54.6	20.7	9.40	51.0	23.0	8.78	46
9	68.7	15.5	11.8	64.2	18.1	11.1	62.3	19.0	10.7	60.3	20.3	10.4	58.4	21.1	10.1	54.6	23.5	9.40	46
11	73.8	15.9	12.7	69.0	18.6	11.9	66.9	19.5	11.5	64.9	20.9	11.2	62.8	21.7	10.8	58.7	24.2	10.1	45
13	80.3	16.7	13.8	75.0	19.5	12.9	72.8	20.4	12.5	70.5	21.9	12.1	68.3	22.8	11.8	63.8	25.3	11.0	44
15	83.5	16.9	14.4	78.0	19.6	13.4	75.7	20.6	13.0	73.3	22.1	12.6	71.0	23.0	12.2				43

Note: 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-B90 : Overall Dimension**