



Symbols

- AFR: Air flow rate [m³/min]
 BF: Bypass factor
 EWB: Entering wet-bulb temperature (°C WB)
 EDB: Entering dry-bulb temperature (°C DB)
 TC: Maximum total cooling/heating capacity [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]
 compressor + indoor and outdoor fan motors
 CPI: Coefficient of the power input
 WB: Wet-bulb temperature [°C WB]
 DB: Dry-bulb temperature [°C DB]

Caution

TC and SHC are shown by kW

Cooling

Indoor		Outdoor temperature [°C DB]											
		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°C WB	°C DB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
16.0	22	11.2	7.61	1.01	10.8	7.44	1.11	10.5	7.29	1.22	10.1	7.09	1.32
18.0	25	11.8	7.59	1.01	11.4	7.49	1.12	11.0	7.27	1.23	10.5	7.09	1.33
19.0	27	12.0	7.57	1.02	11.6	7.44	1.12	11.2	7.26	1.23	10.8	7.04	1.33
19.5	27	12.1	7.59	1.02	11.7	7.37	1.13	11.4	7.34	1.23	10.9	7.04	1.34
22.0	30	12.8	7.52	1.02	12.4	7.36	1.13	11.9	7.16	1.24	11.5	7.03	1.35
24.0	32	13.3	7.42	1.03	12.9	7.27	1.14	12.4	7.06	1.25	12.0	6.91	1.36

Heating

Indoor		Outdoor temperature [°C WB]																			
		-15			-10			-5			0			6			10				
		TC	CPI		TC	CPI		TC	CPI		TC	CPI		TC	CPI		TC	CPI			
°C DB		kW		-		kW		-		kW		-		kW		-		kW		-	
16		8.58	0.93	9.45	0.99	10.1	1.02	10.4	1.05	12.8	1.12	13.8	1.18								
18		8.57	0.97	9.44	1.02	10.0	1.07	10.3	1.10	12.8	1.17	13.8	1.23								
20		8.56	1.01	9.43	1.07	10.0	1.11	10.3	1.14	12.8	1.22	13.8	1.28								
21		8.56	1.03	9.42	1.09	10.0	1.13	10.3	1.16	12.8	1.24	13.8	1.30								
22		8.55	1.04	9.42	1.10	10.0	1.14	10.3	1.18	12.8	1.26	13.8	1.33								
24		8.54	1.09	9.41	1.15	10.0	1.19	10.3	1.23	12.8	1.31	13.8	1.38								

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the \circ mark shows the maximum at standard conditions.
 On the figure the \square mark shows the rated capacity and rated coefficient of the power input.
 However the maximum capacity is not guaranteed except at standard conditions.
- SHC is based on indoor EWB and EDB.
 SHC for other dry bulb temperature = $SHC + SHC^*$
 $SHC^* = SHC$ correction for other dry bulb. = $0.02 \times AFR$ (m³/min) \times (1-BF) \times (DB* - EDB).
- The capacities are based on the following conditions:
 Outdoor air: ·85% RH·
 However, the condition rated capacity in heating is ·7· °C DB / ·6· °C WB.
 Corresponding refrigerant piping length: ·5.0· m
 Level difference: ·0·m
- The coefficient of the power input is the percentage when the rated value is defined as 1,00.
- The value contains less than 5% error according to indoor unit type.
- The heating performance includes the drop due to frost formation.

- The air flow rate and bypass factor are mentioned in the table.

Pair

	ADEA100A
AFR	29.0
(BF)	(0.030)

- The rated power input for each model is mentioned in the table below.

Pair

	ADEA100A
Cooling	2.96
Heating	2.99