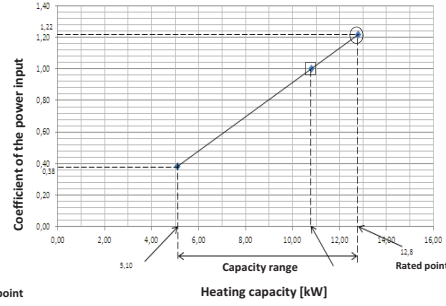
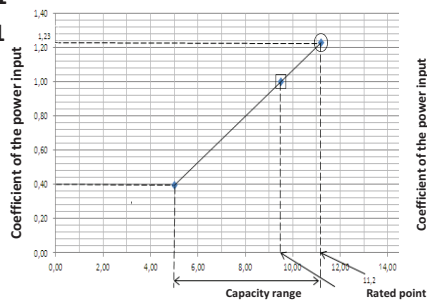


# 6 Capacity tables

## 6 - 1 Cooling/Heating Capacity Tables

6

### AZAS100MV1 AZAS100MY1



**Symbols**  
 AFR: Air flow rate [m<sup>3</sup>/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]  
 CPI: Coefficient of the power input  
 PI: Power input [kW]  
 compressor + indoor and outdoor fan motors

Indoor		Outdoor Temperature (°C DB)											
		25			30			35			40		
°CWB	°CDB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	11.2	7.61	1.01	10.8	7.44	1.11	10.5	7.29	1.22	10.1	7.08	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	7.08	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	6.81	1.36

Heating

Indoor		Outdoor temperature (°C WB)											
		-15.0		-10.0		-5.0		0.0		6.0		10.0	
°CDB	°CWB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	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	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	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	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	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	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.
  - = Maximum at standard conditions  
 □ = Rated capacity and rated coefficient of the power input  
 The maximum capacity is not guaranteed except at standard conditions.
  - SHC is based on indoor units EWB & EDB.  
 SHC for other dry-bulb temperatures = SHC + SHC\*  
 SHC\* = SHC correction for other dry-bulb temperatures  
 = 0.02 x AFR (m<sup>3</sup>/min) x (1-BF) x (DB\* - EDB)
  - The capacities are based on the following conditions:  
 Outdoor air: 85% RH  
 However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.  
 Corresponding refrigerant piping length: 5.0 m  
 Level difference: 0m
  - CPI is a percentage value compared to the rated value which is 1.00.
  - The error rate for this value is less than 5% and depends on the indoor unit type.
  - The heating performance takes into account the drop that occurs during defrost operation.
  - The air flow rate and bypass factor are mentioned in the table.

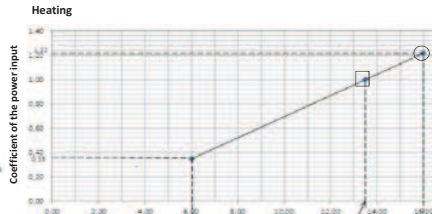
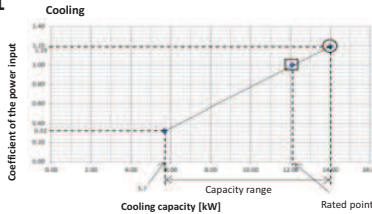
9. The rated power input for each model is mentioned in the table below.

Pair	FCAG100A	FAA100A	FBA100A
AFR	22.8	26.0	29.0
(BF)	(0.17)	(0.10)	(0.03)

Pair	FCAG100A	FAA100A	FBA100A
Cooling	2.92	3.52	2.97
Heating	3.45	3.98	3.32

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### AZAS125MV1 AZAS125MY1



**Symbols**  
 AFR: Air flow rate [m<sup>3</sup>/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]  
 CPI: Coefficient of the power input  
 PI: Power input [kW]  
 compressor + indoor and outdoor fan motors

Indoor		Outdoor temperature (°C DB)											
		25			30			35			40		
°CWB	°CDB	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
16.0	22	14.0	9.54	0.97	13.60	9.20	1.08	13.10	9.12	1.18	12.60	8.78	1.28
18.0	25	14.70	9.50	0.97	14.20	9.32	1.08	13.70	9.09	1.19	13.20	8.83	1.30
19.0	27	15.00	9.52	0.99	14.50	9.34	1.09	14.00	9.06	1.19	13.50	8.87	1.29
19.5	27	15.20	9.53	0.99	14.70	9.26	1.09	14.20	9.08	1.19	13.60	8.84	1.30
22.0	30	16.00	9.39	0.99	15.50	9.14	1.09	14.90	8.95	1.20	14.40	8.74	1.31
24.0	32	16.70	9.31	1.00	16.30	9.09	1.11	15.50	8.83	1.21	15.00	8.63	1.32

Heating capacity [kW]

Indoor		Outdoor temperature (°C WB)											
		-15.0		-10.0		-5.0		0.0		6.0		10.0	
°CDB	°CWB	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
16	16	10.7	0.93	11.8	0.99	12.6	1.02	13.0	1.05	16.0	1.12	17.3	1.18
18	18	10.7	0.97	11.8	1.02	12.5	1.07	12.9	1.10	16.0	1.17	17.3	1.23
20	20	10.7	1.01	11.8	1.07	12.5	1.11	12.9	1.14	16.0	1.22	17.3	1.28
21	21	10.7	1.03	11.8	1.09	12.5	1.13	12.9	1.16	16.0	1.24	17.3	1.31
22	22	10.7	1.04	11.8	1.10	12.5	1.14	12.9	1.18	16.0	1.27	17.3	1.33
24	24	10.7	1.09	11.8	1.15	12.5	1.19	12.9	1.23	16.0	1.31	17.3	1.38

- Notes**
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
  - = Maximum at standard conditions  
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  - SHC is based on indoor units EWB & EDB.  
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 Corresponding refrigerant piping length: 5.0 m  
 Level difference: 0m
  - CPI is a percentage value compared to the rated value which is 1.00.
  - The error rate for this value is less than 5% and depends on the indoor unit type.
  - The heating performance takes into account the drop that occurs during defrost operation.
  - The air flow rate and bypass factor are mentioned in the table.

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

Pair	FCAG125A	AVA125A	FBA125A
AFR	26.0	28.0	34.0
(BF)	(0.21)	(0.14)	(0.06)

Pair	FCAG125A	AVA125A	FBA125A
Cooling	5.28	5.11	5.26
Heating	3.44	3.60	3.23

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