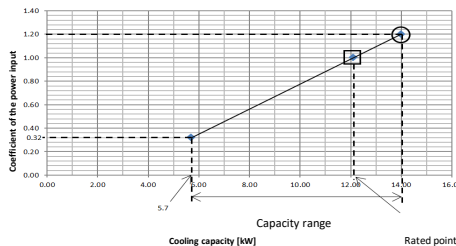


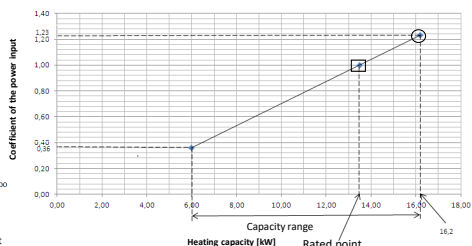
RZAG125NV1

RZAG125NY1

Cooling



Heating



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]

CPI: Coefficient of the power input

Pl: Power input [kW]
compressor + indoor and outdoor fan motors

Cooling

		Outdoor temperature [°C DB]											
Indoor		25			30			35			40		
		TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
°CWB	°CDB	kW	kW	—	kW	kW	—	kW	kW	—	kW	kW	—
16.0	22	14.10	9.54	0.99	13.60	9.30	1.09	13.10	9.12	1.19	12.60	8.78	1.29
18.0	25	14.70	9.50	0.99	14.20	9.32	1.09	13.70	9.09	1.20	13.20	8.83	1.30
19.0	27	15.00	9.52	1.00	14.50	9.34	1.10	14.00	9.06	1.20	13.50	8.87	1.31
19.5	27	15.21	9.52	1.00	14.68	9.35	1.11	14.15	9.08	1.20	13.64	8.81	1.31
22.0	30	16.00	9.39	1.00	15.47	9.14	1.11	14.90	8.95	1.21	14.38	8.74	1.32
24.0	32	16.70	9.31	1.01	16.10	9.09	1.11	15.50	8.83	1.23	14.97	8.63	1.33

Notes

- The ratings shown are net capacities which include a correction 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
= $0.02 \times \text{AFR} (\text{m}^3/\text{min}) \times (1 - \text{BF}) \times (\text{DB}^* - \text{EDB})$
- 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: 0 m
- 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.

Heating

Indoor	Outdoor temperature [°C WB]											
	-15.0			-10.0			-5.0			0.0		
	TC	CPI	—	TC	CPI	—	TC	CPI	—	TC	CPI	—
°CDB	kW	—	kW	—	kW	—	kW	—	kW	—	kW	—
16	11.0	0.94	1.21	1.00	1.29	1.03	13.2	1.06	1.62	1.13	1.75	1.20
18	11.0	0.98	1.21	1.03	1.29	1.08	13.2	1.11	1.62	1.18	1.75	1.25
20	11.0	1.02	1.20	1.08	1.29	1.13	13.2	1.15	16.2	1.23	1.75	1.30
21	11.0	1.04	1.20	1.10	1.28	1.14	13.2	1.17	16.2	1.25	1.75	1.32
22	11.0	1.06	1.20	1.12	1.28	1.16	13.2	1.20	16.2	1.28	1.74	1.34
24	11.0	1.10	1.20	1.16	1.28	1.21	13.2	1.24	16.2	1.33	1.74	1.39

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

Pair	FCAG125NH	FCAG125B	FDAG125A	FPA125A	FPA125A	FPA125A	FPA125A
AFR	32.5	26.0	29.0	28.0	21.0	32.5	24.0
(BF)	(0.19)	(0.21)	(0.16)	(0.16)	(0.14)	(0.19)	(0.06)

Twin	FCAG125B X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2
AFR	13.6 x 2	19.5 x 2	14.5 x 2	16.0 x 2	16.0 x 2	16.0 x 2
(BF)	(0.20 x 2)	(0.20 x 2)	(0.11 x 2)	(0.12 x 2)	(0.18 x 2)	(0.12 x 2)

Triple	FCAG125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3
AFR	12.6 x 3	15.0 x 3	12.0 x 3	15.8 x 3	15.0 x 3	16.0 x 3
(BF)	(0.22 x 3)	(0.18 x 3)	(0.16 x 3)	(0.11 x 3)	(0.13 x 3)	(0.11 x 3)

Double twin	FCAG125B X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4
AFR	12.5 x 4	14.0 x 4	10.0 x 4	8.7 x 4	15.0 x 4	8.7 x 4

Pair	FCAG125NH	FCAG125B	FDAG125A	FPA125A	FPA125A	FPA125A	FPA125A
Cooling	3.15	3.65	3.73	3.77	3.56	4.00	3.70
Heating	3.08	3.82	3.25	3.84	3.35	3.40	3.15

Twin	FCAG125B X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2	FPA125A X 2
Cooling	3.48	3.62	4.68	3.56	3.61	3.56
Heating	3.49	3.27	3.58	3.03	2.82	3.04

Triple	FCAG125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3	FPA125A X 3
Cooling	3.15	3.50	3.88	3.14	3.53	3.14
Heating	2.86	2.73	3.19	2.46	2.69	2.53

Double twin	FCAG125B X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4	FPA125A X 4
Cooling	2.64	3.06	3.36	3.38	3.30	3.38

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RZAG125NY1

(BF)	(0.40 × 4)	(0.17 × 4)	(0.25 × 4)	(0.17 × 4)	(0.08 × 4)	(0.17 × 4)
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Heating	2.63	2.41	3.44	2.88	2.84	2.88
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