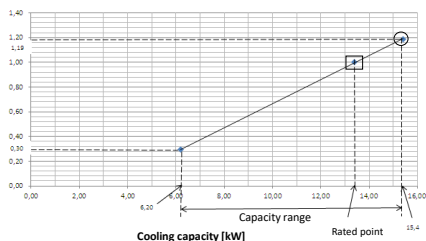


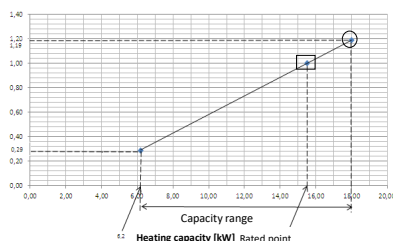
RZAG140NV1

RZAG140NY1

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

PI: Power input [kW]

compressor + indoor and outdoor fan motors

Notes

- The ratings shown are net capacities which include a correction for indoor fan motor heat.
- $\bigcirc$ = Maximum at standard conditions
 $\square$ = 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.

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
AFR	33.5	26.0	30.0	34.0	34.0
(BF)	(0.15)	(0.23)	(0.18)	(0.17)	(0.06)

Twin	FCAHG71H X 2	FCAG71B X 2	FAA71B X 2	FHA71A X 2	FUA71A X 2	FBA71A X 2	FVA71A X 2
AFR	21.2 x 2	15.3 x 2	18.0 x 2	20.5 x 2	23.0 x 2	18.0 x 2	18.0 x 2
(BF)	(0.20 x 2)	(0.14 x 2)	(0.16 x 2)	(0.13 x 2)	(0.24 x 2)	(0.13 x 2)	(0.16 x 2)

Triple	FCAG50B X 3	FHA50A X 3	FFA50A X 3	FDXM50F X 3	FBA50A X 3	FNA50A 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	FCAG35B X 4	FHA35A X 4	FFA35A X 4	FDXM35F X 4	FBA35A X 4	FNA35A 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
(BF)	(0.40 x 4)	(0.20 x 4)	(0.25 x 4)	(0.17 x 4)	(0.08 x 4)	(0.17 x 4)

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	15,50	10,47	0,98	14,93	10,25	1,08	14,44	10,03	1,18	13,86	9,89	1,28
18,0	25	16,17	10,55	0,98	15,62	10,21	1,09	15,11	10,01	1,19	14,52	9,71	1,30
19,0	27	16,56	10,43	0,99	15,96	10,18	1,09	15,40	9,98	1,19	14,83	9,76	1,30
19,5	27	16,74	10,49	0,99	16,14	10,16	1,10	15,57	10,00	1,19	14,98	9,66	1,30
22,0	30	17,61	10,37	0,99	17,01	10,16	1,10	16,36	9,83	1,21	15,76	9,60	1,31
24,0	32	18,38	10,20	1,00	17,72	10,00	1,11	17,04	9,67	1,22	16,43	9,47	1,32

Heating

Indoor		Outdoor temperature [°C WB]											
		-15			-10			-5			0		
		TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI	TC	CPI
[°C DB]	[°C WB]	kW	-	kW	-	kW	-	kW	-	kW	-	kW	-
16	11,6	0,91	12,7	0,97	13,6	1,00	13,9	1,03	18,0	1,09	19,4	1,16	
18	11,6	0,95	12,7	1,00	13,6	1,04	13,9	1,07	18,0	1,14	19,4	1,21	
20	11,6	0,99	12,7	1,05	13,5	1,09	13,9	1,11	18,0	1,19	19,4	1,25	
21	11,5	1,00	12,7	1,06	13,5	1,11	13,9	1,13	18,0	1,21	19,4	1,28	
22	11,5	1,02	12,7	1,08	13,5	1,12	13,9	1,16	18,0	1,24	19,4	1,30	
24	11,5	1,07	12,6	1,12	13,5	1,17	13,9	1,20	18,0	1,29	19,4	1,35	

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

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	3,64	4,29	4,42	4,31	4,69
Heating	3,64	4,55	4,48	4,33	4,92

Twin	FCAHG71H X 2	FCAG71B X 2	FAA71B X 2	FHA71A X 2	FUA71A X 2	FBA71A X 2	FVA71A X 2
Cooling	3,67	4,08	4,38	3,83	3,84	4,17	4,38
Heating	3,03	3,69	3,67	3,50	3,28	3,55	3,92

Triple	FCAG50B X 3	FHA50A X 3	FFA50A X 3	FDXM50F X 3	FBA50A X 3	FNA50A X 3
Cooling	3,62	4,06	4,61	3,62	4,12	3,62
Heating	3,44	3,29	3,87	2,96	3,23	3,03

Double twin	FCAG35B X 4	FHA35A X 4	FFA35A X 4	FDXM35F X 4	FBA35A X 4	FNA35A X 4
Cooling	3,22	3,57	3,89	3,96	3,46	3,96
Heating	3,97	2,89	4,19	3,49	4,22	3,53