

RZAG100NV1

RZAG100NY1

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																															
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40											
RH [%]	°CWB	°CDB	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI	TC	SH	CPI						
47.8	11	18	6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	7.98	1.00	7.92	7.72	1.10	7.48	7.43	1.20	7.09	7.15	1.29									
51.0	13		7.48	6.37	0.42	7.48	6.37	0.42	7.48	6.37	0.44	7.48	6.37	0.44	7.48	6.37	0.45	7.48	6.37	0.46	7.48	6.37	0.46	7.48	6.37	0.46	7.48	6.37	0.46	9.31	7.67	1.00	9.30	7.42	1.11	8.90	7.16	1.21	8.45	6.88	1.30									
34.4	11	20	6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	8.36	1.00	7.92	7.92	1.10	7.48	7.48	1.20	7.09	7.09	1.29									
44.9	13		7.48	7.25	0.42	7.48	7.25	0.42	7.48	7.25	0.44	7.48	7.25	0.44	7.48	7.25	0.45	7.48	7.25	0.46	7.48	7.25	0.46	7.48	7.25	0.46	7.48	7.25	0.46	9.31	8.53	1.00	9.30	8.28	1.11	8.90	8.01	1.21	8.45	7.74	1.30									
52.0	14	22	8.22	7.18	0.46	8.22	7.18	0.47	8.22	7.18	0.48	8.22	7.18	0.49	8.22	7.18	0.51	8.22	7.18	0.50	8.22	7.18	0.49	8.22	7.18	0.49	8.22	7.18	0.49	10.50	8.45	1.01	10.23	8.31	1.11	9.96	8.17	1.21	9.68	7.94	1.31									
22.9	11		6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	8.36	1.00	7.92	7.92	1.10	7.48	7.48	1.20	7.09	7.09	1.29									
34.8	13	24	7.48	7.48	0.42	7.48	7.48	0.42	7.48	7.48	0.44	7.48	7.48	0.44	7.48	7.48	0.45	7.48	7.48	0.46	7.48	7.48	0.46	7.48	7.48	0.46	7.48	7.48	0.46	9.31	9.71	1.00	9.30	9.30	1.11	8.90	8.90	1.21	8.45	8.45	1.30									
47.6	15		8.96	7.82	0.51	8.96	7.82	0.52	8.96	7.82	0.53	8.96	7.82	0.54	8.96	7.82	0.55	8.96	7.82	0.55	8.96	7.82	0.55	8.96	7.82	0.55	8.96	7.82	0.55	11.28	9.19	1.01	10.89	8.96	1.11	10.51	8.72	1.22	10.12	8.48	1.32									
54.3	16	26	9.70	7.54	0.56	9.70	7.54	0.56	9.70	7.54	0.58	9.70	7.54	0.59	9.70	7.54	0.60	9.70	7.54	0.60	9.70	7.54	0.59	9.70	7.54	0.59	9.70	7.54	0.59	11.84	8.40	1.01	11.40	8.22	1.11	11.03	8.04	1.22	10.58	7.77	1.32									
21.2	12		6.74	6.74	0.37	6.74	6.74	0.38	6.74	6.74	0.39	6.74	6.74	0.40	6.74	6.74	0.41	6.74	6.74	0.42	6.74	6.74	0.42	6.74	6.74	0.42	6.74	6.74	0.42	9.04	9.04	1.00	8.61	8.61	1.10	8.19	8.19	1.21	7.77	7.77	1.30									
32.1	14	27	8.22	8.22	0.46	8.22	8.22	0.47	8.22	8.22	0.48	8.22	8.22	0.49	8.22	8.22	0.51	8.22	8.22	0.50	8.22	8.22	0.49	8.22	8.22	0.49	8.22	8.22	0.49	10.50	10.50	1.01	10.23	10.23	1.11	9.96	9.96	1.21	9.68	9.68	1.31									
43.8	16		9.70	8.68	0.56	9.70	8.68	0.57	9.70	8.68	0.58	9.70	8.68	0.59	9.70	8.68	0.60	9.70	8.68	0.60	9.70	8.68	0.59	9.70	8.68	0.59	9.70	8.68	0.59	11.84	9.74	1.01	11.40	9.51	1.12	11.03	9.32	1.22	10.58	9.68	1.32									
50.5	17	28	9.98	7.86	0.57	9.98	7.86	0.58	9.98	7.86	0.59	9.98	7.86	0.60	9.98	7.86	0.61	9.98	7.86	0.60	9.98	7.86	0.60	9.98	7.86	0.60	9.98	7.86	0.60	12.39	9.45	1.02	11.86	9.16	1.12	11.33	8.86	1.22	10.80	8.52	1.33									
21.0	14		8.22	8.22	0.46	8.22	8.22	0.47	8.22	8.22	0.48	8.22	8.22	0.49	8.22	8.22	0.51	8.22	8.22	0.50	8.22	8.22	0.49	8.22	8.22	0.49	8.22	8.22	0.49	10.50	10.50	1.01	10.23	10.23	1.11	9.96	9.96	1.21	9.68	9.68	1.31									
26.3	15		8.96	8.96	0.51	8.96	8.96	0.52	8.96	8.96	0.53	8.96	8.96	0.54	8.96	8.96	0.55	8.96	8.96	0.55	8.96	8.96	0.55	8.96	8.96	0.55	8.96	8.96	0.55	11.28	11.28	1.01	10.89	10.89	1.11	10.51	10.51	1.22	10.12	10.12	1.32									
31.3	16		9.70	9.70	0.56	9.70	9.70	0.57	9.70	9.70	0.58	9.70	9.70	0.59	9.70	9.70	0.60	9.70	9.70	0.60	9.70	9.70	0.59	9.70	9.70	0.59	9.70	9.70	0.59	11.84	11.84	1.01	11.40	11.40	1.12	11.03	11.03	1.22	10.58	10.58	1.33									

Symbols

TC: Maximum total cooling capacity [kW]

SHC: Sensible heat capacity [kW]

CPI: Coefficient of the power input

PI: Power input [kW]

compressor + indoor and outdoor fan motors

RH: Relative humidity [%]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.

2. The capacities are based on the following conditions:

Outdoor air: -85% RH

Corresponding refrigerant piping length: -5.0- m

Level difference: -0.0m

3. For -EDP- applications, it is recommended to use outdoor unit setting -2-57-2-.

-CPI- is a percentage value compared to the rated value which is -1.00-

5. The error rate for this value is less than -5-% and depends on the indoor unit type.

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

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	2,35	2,28	2,39	2,32	2,25

Twin

	FCAHG71H x 2	FCAG71B x 2	FHA71A x 2	FUA71A x 2	FAA71B x 2	FBA71A x 2
Cooling	2,02	2,15	2,10	2,11	2,19	2,06

Triple

	FCAG50B x 3	FHA50A x 3	FFA50A x 3	FDXM50F x 3	FBA50A x 3
Cooling	2,03	2,18	2,25	1,88	2,18

Double twin

	FCAG35B x 4	FHA35A x 4	FFA35A x 4	FDXM35F x 4	FBA35A x 4
Cooling	2,00	2,01	2,12	2,00	2,18