FCAG71B / ARXM71A

AFR	15.3
BF	0.16

Cooling ·50Hz, 220-240V·

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5.28	3.85	1.55	5.28	3.85	1.75	5.28	3.85	1.95	5.28	3.85	2.03	5.28	3.85	2.14	5.28	3.85	2.30
16	22	6.70	4.25	1.64	6.70	4.25	1.82	6.65	4.22	1.99	6.52	4.16	2.06	6.33	4.06	2.15	5.96	3.88	2.30
18	25	7.59	4.66	1.68	7.28	4.50	1.84	6.96	4.35	2.00	6.83	4.29	2.06	6.64	4.20	2.16	6.22	4.02	2.30
19	27	7.75	4.83	1.69	7.43	4.69	1.85	7.12	4.55	2.01	6.99	4.49	2.07	6.80	4.42	2.17	6.36	4.26	2.30
22	30	8.22	4.53	1.70	7.90	4.39	1.86	7.59	4.25	2.02	7.46	4.20	2.08	7.27	4.12	2.18	6.75	3.92	2.30
24	32	8.53	4.33	1.71	8.22	4.19	1.87	7.90	4.06	2.03	7.77	4.00	2.09	7.58	3.93	2.19	7.00	3.71	2.30

Heating ·50Hz, 220-240V·

AFR	15

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4.21	1.64	5.01	1.76	4.82	1.88	5.47	2.00	7.71	2.17	8.19	2.24
20	4.00	1.69	4.80	1.81	4.64	1.93	5.29	2.05	7.50	2.22	7.98	2.29
22	3.92	1.71	4.71	1.83	4.57	1.95	5.23	2.07	7.42	2.26	7.89	2.31
24	3.83	1.73	4.63	1.85	4.50	1.97	5.16	2.09	7.33	2.28	7.81	2.33
25	3.79	1.74	4.59	1.86	4.47	1.98	5.12	2.10	7.29	2.29	7.77	2.34
27	3.71	1.76	4.50	1.88	4.40	2.00	5.05	2.12	7.21	2.31	7.61	2.36

Symbols

AFR: Air flow rate [m^3/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) The bold cells indicate the standard conditions.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4) In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5) The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6) The air flow rate and bypass factor are mentioned in the table.