

Cooling

50Hz 230V

AFR	12.0
BF	0.16

Indoor		Outdoor temperature (°CDB)																	
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
14.0	20	4.76	3.51	1.45	4.61	3.44	1.55	4.46	3.37	1.64	4.40	3.34	1.68	4.31	3.30	1.74	4.16	3.23	1.83
16.0	22	4.92	3.54	1.48	4.77	3.47	1.57	4.62	3.40	1.67	4.56	3.38	1.70	4.47	3.33	1.76	4.32	3.26	1.86
18.0	25	5.07	3.58	1.50	4.92	3.51	1.60	4.77	3.44	1.69	4.71	3.41	1.73	4.62	3.37	1.79	4.47	3.30	1.88
19.0	27	5.15	3.59	1.52	5.00	3.52	1.61	4.85	3.45	1.71	4.79	3.43	1.74	4.70	3.38	1.80	4.55	3.31	1.90
22.0	30	5.38	3.65	1.55	5.23	3.58	1.65	5.08	3.51	1.74	5.02	3.48	1.78	4.93	3.44	1.84	4.78	3.37	1.93
24.0	32	5.54	3.68	1.58	5.39	3.61	1.68	5.24	3.54	1.77	5.18	3.51	1.81	5.09	3.47	1.87	4.94	3.40	1.96

Heating

50Hz 230V

AFR	12.0
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Indoor		Outdoor temperature (°CWB)											
EDB		-15		-10		-5		0		6		10	
(°C)		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0		2.76	1.41	3.43	1.51	4.09	1.60	4.76	1.70	5.56	1.82	6.09	1.90
18.0		2.73	1.48	3.40	1.58	4.06	1.67	4.73	1.77	5.53	1.89	6.06	1.97
20.0		2.70	1.55	3.37	1.65	4.04	1.74	4.70	1.84	5.50	1.96	6.03	2.04
21.0		2.69	1.58	3.36	1.68	4.02	1.78	4.69	1.88	5.49	2.00	6.02	2.07
22.0		2.68	1.62	3.34	1.72	4.01	1.81	4.67	1.91	5.47	2.03	6.00	2.11
24.0		2.65	1.69	3.32	1.79	3.98	1.89	4.65	1.98	5.45	2.10	5.98	2.18

3D060463B

SYMBOLS

AFR:	Air flow rate	(m ³ /min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

- Ratings shown are net capacities which include a deduction for indoor fan motor heat.
- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- SHC is based on each EWB and EDB.
SHC* = SHC correction for other dry bulb.
= 0.02*AFR(m³/min.)*(1-BF)*(DB*-EDB)
Add SHC* to SHC.
- Capacities are based on following conditions:
Corresponding refrigerant piping length: 5m
Level difference: 0m
- Air flow rate (AFR) and Bypass factor (BF) are tabulated above.