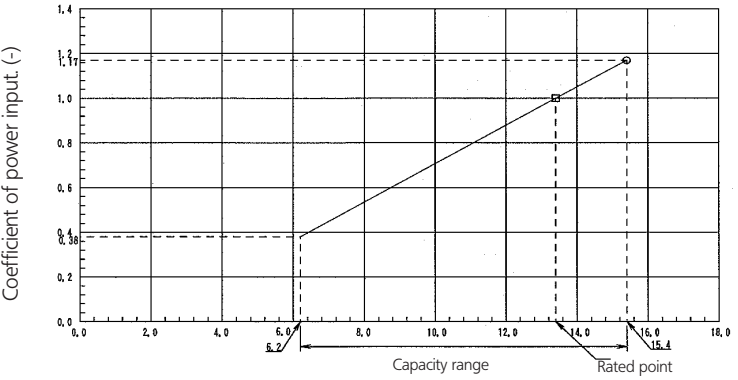
RZQS140DV1

Cooling



Cooling capacity

Indoor		Outdoor temp. (°CDB)											
EWB	EDB	25			30			35			40		
(°C)	(°C)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)	TC (kW)	SHC (kW)	CPI (-)
16.0	22	14.1	9.53	0.89	14.0	9.61	1.04	14.4	10.0	1.16	13.9	9.72	1.28
18.0	25	16.1	10.5	0.97	15.6	10.2	1.06	15.1	10.0	1.17	14.5	9.70	1.29
19.0	27	16.5	10.4	0.98	16.0	10.2	1.06	15.4	9.98	1.17	14.7	9.68	1.29
19.5	27	16.6	10.4	0.98	16.2	10.2	1.06	15.5	9.96	1.17	15.0	9.67	1.29
22.0	30	17.5	10.3	0.99	16.9	10.1	1.08	16.4	9.85	1.18	15.7	9.56	1.30
24.0	32	18.2	10.1	0.99	17.6	9.93	1.09	17.1	9.71	1.19	16.4	9.45	1.31

3TW31742-3

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat
2. On the figure the mark ○ show the max. at standard conditions.
   On the figure the mark ▭ show rated capacity and rated coefficient of power input.
   However the max. capacity is not guaranteed, except at standard condition.
3. SHC is based on each EWB and EDB
   SHC* = SHC correction for other dry bulb
   SHC* = 0.02 x AFR (m^3/min.) x (1–BF) x (DB*–EDB)
   Add SHC* to SHC.
4. Capacities are based on following conditions:
   Outdoor air : 85 % RH. however, the condition on nominal capacity is 7° CDB/6° CWB (heating)
   Corresponding refrigerant piping length : 5.0 m
   Level difference : 0 m
5. Coefficient of power input is the percentage when the rated valve is defined as 1.00.
6. The value contains less than 5% error acording to indoor unit type.
7. Air flow rate and BF are tabulated below.

   (Pair)

Model	FBQ140C
AFR	39
(BF)	(0.14)

8. Rated power input of each model is tabulated below.
   (Pair)

Model	FBQ140C
Cooling	4.77

SYMBOLS

AFR:	Air flow rate	(m^3/min)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°CWB)
EDB:	Entering dry bulb temp.	(°CDB)
TC:	Total cooling capacity	(kW)
SHC:	Sensible heating capacity	(kW)
PI:	Power input (comp.+indoor+outdoor fan motor)	(kW)
CPI:	Coefficient of power input.	(-)

Caution:
TC and SHC are shown by kW