

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

### FTXF25A / RXF25A

Cooling 50Hz 230V

AFR	10,1
BF	0,22

Indoor air temperature		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	2,56	2,08	0,59	2,44	2,03	0,64	2,33	1,97	0,69	2,28	1,95	0,71	2,21	1,92	0,75	2,10	1,86	0,80
16	22	2,68	2,05	0,59	2,56	1,99	0,64	2,44	1,94	0,70	2,40	1,92	0,72	2,33	1,89	0,76	2,21	1,84	0,81
18	25	2,79	2,17	0,59	2,68	2,12	0,64	2,56	2,07	0,70	2,51	2,06	0,72	2,44	2,03	0,76	2,33	1,98	0,81
19	27	2,85	2,31	0,59	2,73	2,27	0,64	2,62	2,22	0,70	2,57	2,20	0,72	2,50	2,18	0,76	2,38	2,13	0,81
22	30	3,02	2,24	0,60	2,91	2,20	0,65	2,79	2,16	0,71	2,74	2,14	0,73	2,67	2,12	0,77	2,56	2,08	0,81
24	32	3,14	2,19	0,60	3,02	2,15	0,65	2,90	2,12	0,71	2,86	2,10	0,73	2,79	2,08	0,77	2,67	2,04	0,83

Heating 50Hz 230V

AFR	10,3
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Indoor air temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,33	0,45	1,61	0,48	1,87	0,50	2,15	0,65	2,89	0,68	3,15	0,71
20		1,25	0,47	1,52	0,49	1,79	0,51	2,06	0,66	2,80	0,70	3,05	0,72
22		1,22	0,47	1,48	0,49	1,75	0,52	2,03	0,67	2,76	0,70	3,01	0,73
24		1,19	0,48	1,46	0,50	1,73	0,52	2,00	0,68	2,73	0,71	2,98	0,73
25		1,17	0,48	1,44	0,50	1,71	0,52	1,98	0,68	2,71	0,71	2,96	0,74
27		1,14	0,48	1,41	0,51	1,67	0,53	1,95	0,69	2,67	0,72	2,92	0,74

#### Symbols

- AFR: Air flow rate [m<sup>3</sup>/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.  
Rated operating frequency [Hz]
3. The capacities are based on the following conditions:  
Corresponding refrigerant piping length: 5 m  
Level difference: 0m
4. The air flow rate and bypass factor are mentioned in the table.

# 4 Capacity tables

## 4 - 1 Cooling/Heating Capacity Tables

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### FTXF35A /RXF35A

#### Cooling 50Hz 230V

AFR	11,5
BF	0,23

Indoor air temperature		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	<b>3,38</b>	2,54	0,76	<b>3,22</b>	2,46	0,84	<b>3,07</b>	2,39	0,91	<b>3,01</b>	2,36	0,94	<b>2,92</b>	2,31	0,99	<b>2,76</b>	2,23	1,06
16	22	<b>3,54</b>	2,50	0,77	<b>3,38</b>	2,42	0,84	<b>3,22</b>	2,35	0,92	<b>3,17</b>	2,33	0,95	<b>3,07</b>	2,28	0,99	<b>2,92</b>	2,22	1,07
18	25	<b>3,69</b>	2,62	0,77	<b>3,54</b>	2,56	0,85	<b>3,38</b>	2,49	0,92	<b>3,32</b>	2,46	0,95	<b>3,22</b>	2,42	1,00	<b>3,07</b>	2,36	1,07
19	27	<b>3,76</b>	2,76	0,77	<b>3,61</b>	2,70	0,85	<b>3,45</b>	2,64	0,92	<b>3,39</b>	2,61	0,95	<b>3,30</b>	2,57	1,00	<b>3,15</b>	2,52	1,08
22	30	<b>3,99</b>	2,67	0,78	<b>3,84</b>	2,61	0,86	<b>3,68</b>	2,56	0,93	<b>3,62</b>	2,54	0,96	<b>3,53</b>	2,50	1,01	<b>3,38</b>	2,44	1,08
24	32	<b>4,14</b>	2,60	0,79	<b>3,99</b>	2,55	0,86	<b>3,84</b>	2,50	0,94	<b>3,77</b>	2,48	0,97	<b>3,68</b>	2,44	1,01	<b>3,53</b>	2,39	1,09

#### Heating 50Hz 230V

AFR	11,5
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Indoor air temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,66	0,60	2,00	0,63	2,34	0,67	2,69	0,87	3,62	0,92	3,94	0,95
20		1,57	0,62	1,90	0,65	2,24	0,68	2,58	0,90	3,50	0,94	3,82	0,97
22		1,52	0,63	1,86	0,66	2,20	0,69	2,54	0,90	3,45	0,94	3,77	0,98
24		1,48	0,63	1,82	0,67	2,15	0,70	2,49	0,91	3,40	0,95	3,72	0,99
25		1,46	0,64	1,79	0,67	2,14	0,70	2,48	0,92	3,38	0,96	3,69	0,99
27		1,42	0,64	1,76	0,68	2,09	0,71	2,43	0,92	3,33	0,97	3,65	1,00

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