

i-ACCURATE i-AF

Water cooled unit with free cooling, R410A refrigerant and DC inverter driven compressor. From 7 to 130 kW.



Model		20	29	50	70	90	130
Frame		F3		F4	F5	F6	F7
No. Circuits/ No. Compressors		1/1	1/1	1/1	2/2	2/2	2/3
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Nominal Air flow	mc/h	6500	8000	13500	19000	25000	28000
Power supply	V/Ph/Hz	400/3N/50					
PERFORMANCE							
High speed							
Total cooling capacity	(1) kW	19,37	28,58	55,10	72,90	94,50	130,2
Sensible cooling capacity	(1) kW	19,37	28,35	51,00	69,20	87,10	111,1
SHR	(1)	1,00	0,99	0,93	0,95	0,92	0,85
Compressors absorbed power	kW	4,01	6,15	12,20	13,80	19,10	27,40
EC radial fans power abs.	kW	1,35	1,80	3,20	4,5	6,1	-
HP EC radial fans power abs.	kW	0,89	1,51	3,13	5,11	6,72	6,90
Low speed							
Total cooling capacity	(1) kW	7,75	12,42	24,60	22,70	24,40	26,10
Sensible cooling capacity	(1) kW	7,75	12,42	24,60	22,70	22,50	25,60
SHR	(1)	1,00	1,00	1,00	1,00	0,92	0,98
Compressors absorbed power	kW	1,00	1,49	3,30	3,40	3,40	3,30
Power supply	V/Ph/Hz	460/3/60-380/3/60					
PERFORMANCE							
High speed							
Total cooling capacity	(1) kW	19,37	28,58	55,10	74,01	93,51	33,38
Sensible cooling capacity	(1) kW	19,37	28,35	51,00	69,69	86,24	113,09
SHR	(1)	1,00	0,99	0,93	0,94	0,92	0,85
Compressors absorbed power	kW	4,01	6,15	12,20	14,37	18,34	28,51
EC radial fans power abs.	kW	1,35	1,80	3,20	4,5	6,1	-
HP EC radial fans power abs.	kW	0,89	1,51	3,13	5,11	6,72	6,90
Low speed							
Total cooling capacity	(1) kW	7,75	12,4	24,63	22,7	24,51	26,1
Sensible cooling capacity	(1) kW	7,75	12,4	24,63	19,5	22,52	25,6
SHR	(1)	1,00	1,00	1,00	0,86	0,92	0,98
Compressors absorbed power	kW	1,00	1,49	3,29	3,38	3,31	3,30
PERFORMANCE IN FREE-COOLING							
Total cooling capacity	(2) kW	20,02	25,1	43,8	58,1	78,26	104,88
Sensible cooling capacity	(2) kW	19,58	25,1	43,8	58,1	78,26	94,21
SHR		0,97	1,00	1,00	1,00	1,00	0,90
Pressure drop with FC operation	kPa	61	69	95	91	99	132
VENTILATION							
No. EC radial fans		1	1	2	3	3	-
No. HP EC radial fans		1	1	2	3	4	3
Sound pressure level	(5) dB(A)	56	60	64	67	67	69
HUMIDIFIER							
Capacity	kg/h	5	5	5	8	8	8
ELECTRICAL HEATERS							
Steps		3	3	3	3	3	3
Heating Capacity	kW	9	9	15	18	18	24
DIMENSIONS							
Length	mm	1000		1550	2100	2650	2650
Depth	mm	790		790	790	790	890
Height	mm	1980		1980	1980	1980	21800
COUPLING WITH OUTDOOR UNIT							
i-BDC Remote Condenser		30m	039m	062m	092m	123m	190m

NOTES

- 1) Indoor conditions: 24°C-50%, Water 30-35°C - ESP 20Pa
- 2) Water IN 10°C water flow as DX mode - ESP 20Pa
- 5) Measured at 1,5m height in front of the unit in free field