

# i-ACCURATE i-AT

Water cooled direct expansion dual fluid unit, with 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					
<b>PERFORMANCE</b>							
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					
<b>PERFORMANCE</b>							
High speed							
Total cooling capacity	(1) kW	19,37	28,58	55,10	74,01	93,5	133,38
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
<b>PERFORMANCE (CW)</b>							
Total cooling capacity	(2) kW	24,3	29,5	51,4	67,6	91,0	125,7
Sensible cooling capacity	(2) kW	20,1	27,6	47,5	64,5	85,0	98,5
SHR		0,82	0,94	0,92	0,95	0,93	0,78
Total Pressure drop	kPa	44	35	46	26	53	68
<b>VENTILATION</b>							
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
<b>HUMIDIFIER</b>							
Capacity	kg/h	5	5	5	8	8	8
<b>ELECTRICAL HEATERS</b>							
Steps		3	3	3	3	3	3
Heating Capacity	kW	9	9	15	18	18	24
<b>DIMENSIONS</b>							
Length	mm	1000		1550	2100	2650	2650
Depth	mm	790		790	790	790	890
Height	mm	1980		1980	1980	1980	2180
<b>COUPLING WITH OUTDOOR UNIT</b>							
i-BDC Remote Condenser		030m	039m	062m	092m	123m	190m

**NOTES**

- 1) Indoor conditions: 24°C-50%, Water 30-35°C - ESP 20Pa
- 2) Indoor conditions: 24°C-50%, Water 7-12°C - ESP 20Pa
- 5) Measured at 1,5m height in front of the unit in free field