

The range

i-ACCURATE i-AW

Water cooled direct expansion unit, with R410A refrigerant and DC inverter driven compressor.
From 5 to 159 kW.



Model		12	18	20	29	50	70	90	130	150	
Frame		F2		F3		F4	F5	F6	F7		
No. Circuits/ No. Compressors		1/1	1/1	1/1	1/1	1/1	2/2	2/2	2/3	2/3	
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Nominal Air flow	mc/h	3500	4900	6500	8000	13500	19000	25000	30000	30000	
Power supply	V/Ph/Hz	230/1/50		400/3N/50							
PERFORMANCE											
High speed											
Total cooling capacity	(1) kW	11,7	17,4	20,46	29,3	56,72	73,90	93,30	142,5	159,1	
Sensible cooling capacity	(1) kW	10,9	17	20,41	28,6	51,52	70,20	90,50	118,9	127,6	
SHR	(1)	0,93	0,98	1,00	0,98	0,91	0,95	0,97	0,83	0,80	
Compressors absorbed power	kW	2,12	3,68	3,86	6,38	12,08	13,60	18,60	27,60	31,70	
EC radial fans power abs.	kW	0,35	0,84	1,35	1,80	3,20	4,5	6,1	-	-	
HP EC radial fans power abs.	kW	0,27	0,47	0,89	1,51	3,13	5,11	6,72	6,90	6,90	
Low speed											
Total cooling capacity	(1) kW	4,78	7,27	7,88	12,33	27,30	25,30	27,90	27,50	27,50	
Sensible cooling capacity	(1) kW	4,78	7,27	7,88	12,33	27,30	25,30	27,90	26,70	26,70	
SHR	(1)	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,97	0,97	
Compressors absorbed power	kW	0,61	1,24	1,11	1,96	3,20	3,30	3,00	3,30	3,30	
Power supply	V/Ph/Hz	460/3/60-380/3/60									
PERFORMANCE											
High speed											
Total cooling capacity	(1) kW	n.a.	17,4	20,46	29,3	56,72	75,02	92,37	145,18	154,4	
Sensible cooling capacity	(1) kW	n.a.	17	20,41	28,6	51,52	70,69	89,41	120,14	125,87	
SHR	(1)	n.a.	0,98	1,00	0,98	0,91	0,94	0,97	0,83	0,82	
Compressors absorbed power	kW	n.a.	3,68	3,86	6,38	12,08	14,16	17,71	28,78	30,92	
EC radial fans power abs.	kW	n.a.	0,84	1,35	1,80	3,20	4,5	6,1	-	-	
HP EC radial fans power abs.	kW	n.a.	0,47	0,89	1,51	3,13	5,11	6,72	6,90	6,90	
Low speed											
Total cooling capacity	(1) kW	n.a.	7,27	7,88	12,32	27,28	25,07	27,91	27,47	27,46	
Sensible cooling capacity	(1) kW	n.a.	7,27	7,88	12,32	27,28	25,07	27,91	26,67	26,65	
SHR	(1)	n.a.	1,00	1,00	1,00	1,00	1,00	1,00	0,97	0,97	
Compressors absorbed power	kW	n.a.	0,96	1,11	1,43	3,20	3,45	2,98	3,26	3,26	
VENTILATION											
No. EC radial fans		2	2	1	1	2	3	3	-	-	
No. HP EC radial fans		2	2	1	1	2	3	4	3	3	
Sound pressure level	(5) dB(A)	49	53	56	60	64	67	67	69	69	
HUMIDIFIER											
Capacity	kg/h	3	5	5	5	5	8	8	8	8	
ELECTRICAL HEATERS											
Steps		3	3	3	3	3	3	3	3	3	
Heating Capacity	kW	4	8	9	9	15	18	18	24	24	
DIMENSIONS											
Length	mm	1000		1000	1000	1550	2100	2650	2650		
Depth	mm	500		790	790	790	790	790	890		
Height	mm	1980		1980	1980	1980	1980	1980	2180		
COUPLING WITH OUTDOOR UNIT											
i-BDC Remote Condenser		030m	030m	030m	030m	039m	062m	092m	123m	190m	

NOTES

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