

# SPECIFICATIONS



## CHILLED WATER HIGH STATIC FAN COIL UNITS FCUH - 120Pa - 2 PIPE - 3 & 4 ROW

Model No. Indoor			FCU 30 AW	FCU 50 AW	FCU 60 AW	FCU 80 AW	FCU 100 AW	FCU 120 AW	FCU 140 AW	
Power supply			220V / 1PH / 50Hz							
3 ROW	Capacity	Cooling	W	3000	4990	5970	7850	9360	11500	13500
		Heating	W	2870	4600	5420	7390	8760	10600	12300
	Noise Level (H / M / L)	Indoor	dB(A)	42 / 40 / 38	47 / 44 / 42	49 / 46 / 44	50 / 47 / 45	52 / 49 / 47	53 / 50 / 48	56 / 53 / 51
				External Static Pressure (H / M / L)	Pa	50	50	50	50	50
	Air Flow Volume (H / M / L)	Cooling	l/s	143 / 110 / 88.6	238 / 179 / 143	285 / 214 / 172	380 / 285 / 228	476 / 369 / 298	570 / 428 / 343	665 / 499 / 399
		Heating	l/s	162 / 126 / 103	259 / 197 / 159	307 / 232 / 188	417 / 313 / 250	523 / 408 / 332	620 / 468 / 378	713 / 539 / 433
	Water Flow Rate (H / M / L)	Cooling	l/s	0.143 / 0.116 / 0.0974	0.238 / 0.189 / 0.158	0.284 / 0.226 / 0.189	0.375 / 0.298 / 0.249	0.446 / 0.365 / 0.309	0.547 / 0.436 / 0.365	0.645 / 0.513 / 0.429
		Heating	l/s	0.069 / 0.056 / 0.048	0.110 / 0.088 / 0.074	0.130 / 0.104 / 0.088	0.177 / 0.140 / 0.117	0.210 / 0.172 / 0.146	0.253 / 0.202 / 0.170	0.293 / 0.234 / 0.197
	Water Pressure Drop (High)	Cooling	KPa	9.83	29.40	43.30	38.30	19.30	31.70	47.30
		Heating	KPa	2.31	6.44	9.28	19.20	4.35	6.95	10.10
4 ROW	Capacity	Cooling	W	3240	5520	6490	8540	10400	12500	14800
		Heating	W	3110	5100	5970	7930	9690	11600	13600
	Noise Level (H / M / L)	Indoor	dB(A)	42 / 40 / 38	47 / 44 / 42	49 / 46 / 44	50 / 47 / 45	52 / 49 / 47	53 / 50 / 48	56 / 53 / 51
				External Static Pressure (H / M / L)	Pa	50	50	50	50	50
	Air Flow Volume (H / M / L)	Cooling	l/s	126 / 95.70 / 75.80	217 / 162 / 128	263 / 196 / 156	347 / 259 / 207	420 / 321 / 255	523 / 390 / 310	617 / 460 / 365
		Heating	l/s	144 / 111 / 89.30	240 / 180 / 144	287 / 215 / 173	383 / 287 / 230	468 / 360 / 288	575 / 431 / 345	669 / 502 / 401
	Water Flow Rate (H / M / L)	Cooling	l/s	0.154 / 0.122 / 0.099	0.263 / 0.205 / 0.168	0.309 / 0.242 / 0.200	0.407 / 0.319 / 0.264	0.496 / 0.396 / 0.326	0.596 / 0.467 / 0.385	0.708 / 0.555 / 0.457
		Heating	l/s	0.074 / 0.059 / 0.049	0.122 / 0.096 / 0.079	0.143 / 0.112 / 0.093	0.190 / 0.149 / 0.123	0.232 / 0.186 / 0.154	0.278 / 0.219 / 0.182	0.326 / 0.256 / 0.212
	Water Pressure Drop (High)	Cooling	KPa	15.00	46.80	30.50	32.20	51.10	22.40	33.80
		Heating	KPa	3.54	10.3	6.67	7.15	11.4	4.99	7.36
Fan Motor	Power	W	30	60	70	45 x 2 (90)	60 x 2 (120)	70 x 2 (140)	80 x 2 (160)	
	Running Current	A	0.38	0.56	0.65	0.48 x 2 (0.96)	0.6 x 2 (1.2)	0.68 x 2 (1.36)	0.78 x 2 (1.56)	
	Motor	Qty	1	1	1	2	2	2	2	
	Scroll	Qty	2	2	2	4	4	4	4	
Water Coil	Type	Cross Banding Radiating Pipe Aluminium Fin								
	Test Pressure	MPa	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	OD	mm	9.52							
	Rows	QTY	3 & 4							
Air Filter Type			Washable Sahara Net Filter							
Pipe Connections	Water In	3/4"								
	Water Out									
	Drain									
Dimensions	W x H x D	877 x 265 x 545	1102 x 265 x 545	1197 x 265 x 545	1482 x 265 x 545	1672 x 265 x 545	1937 x 265 x 545	2172 x 265 x 545		
Weight - Neft	kg	22	23	25	38.9	42.5	48.5	56		



Unit Selection Software Available - Contact ECO AIRE for more information