



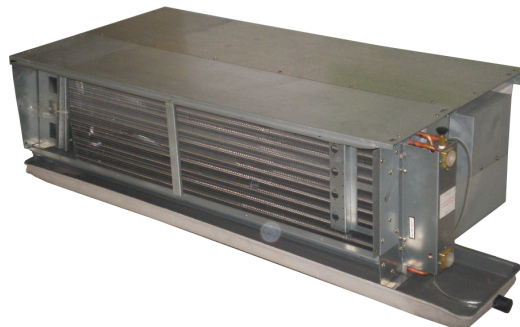
LOW & HIGH STATIC CHILLED WATER FAN COIL UNITS AC Fan Series

SPECIFICATIONS



CHILLED WATER LOW STATIC FAN COIL UNITS FCU - 50Pa - 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						
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	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
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	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	Qty	1	1	1	2	2	2	2
	Scroll Qty	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 - Nett	kg		22	23	25	38.9	42.5	48.5	56



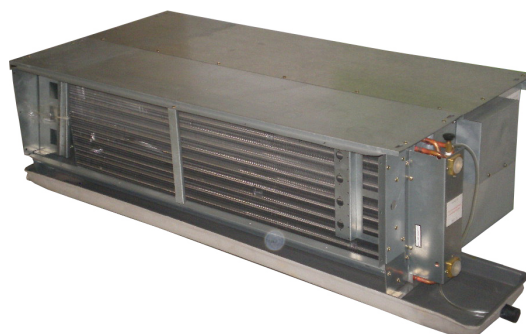
Unit Selection Software Available - Contact ECO AIRE for more information

SPECIFICATIONS



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

Model No. Indoor			FCUH 30 AW	FCUH 45 AW	FCUH 60 AW	FCUH 80 AW	FCUH 100 AW	FCUH 130 AW	FCUH 160 AW	FCUH 200 AW	
Power supply			220V / 1PH / 50Hz								
Capacity	Cooling	W	2840	4490	6140	8060	9670	12500	15600		
	Heating	W	2620	4000	5540	7000	8450	10900	13500		
Noise Level (High)	Indoor	dB(A)	58	58	60	60	65	65	65		
			External Static Pressure (H / M / L)	Pa	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70
Air Flow Volume (H / M / L)	Cooling	l/s	139 / 95 / 81	213 / 158 / 139	285 / 198 / 169	379 / 299 / 266	473 / 376 / 327	614 / 500 / 463	756 / 611 / 549		
	Heating	l/s	149 / 102 / 88	222 / 166 / 146	305 / 213 / 184	389 / 308 / 274	481 / 384 / 334	625 / 509 / 472	768 / 622 / 559		
Water Flow Rate (H / M / L)	Cooling	l/s	0.135 / 0.099 / 0.088	0.214 / 0.169 / 0.152	0.293 / 0.218 / 0.192	0.384 / 0.318 / 0.289	0.461 / 0.384 / 0.3434	0.598 / 0.507 / 0.477	0.745 / 0.629 / 0.577		
	Heating	l/s	0.063 / 0.045 / 0.041	0.096 / 0.076 / 0.069	0.132 / 0.099 / 0.088	0.167 / 0.138 / 0.126	0.202 / 0.169 / 0.151	0.261 / 0.221 / 0.208	0.323 / 0.272 / 0.250		
Water Pressure Drop (High)	Cooling	KPa	8.42	23.50	49.00	98.90	24.30	43.30	73.30		
	Heating	KPa	1.85	4.87	10.30	19.50	4.88	8.59	14.30		
Capacity	Cooling	W	2680	4320	5780	7850	9500	12300	15400	20000	
	Heating	W	1090	1720	2290	3050	3750	4800	5950	7680	
Noise Level (High)	Indoor	dB(A)	60	60	60	60	65	65	65	65	
			External Static Pressure (H / M / L)	Pa	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70	120 / 90 / 70
Air Flow Volume (H / M / L)	Cooling / Heating	l/s	129 / 87 / 74	203 / 150 / 132	264 / 181 / 155	366 / 288 / 256	463 / 368 / 319	601 / 488 / 452	741 / 598 / 537	946 / 760 / 681	
	Water Flow Rate (H / M / L)	Cooling	l/s	0.128 / 0.093 / 0.082	0.206 / 0.162 / 0.146	0.275 / 0.203 / 0.178	0.374 / 0.309 / 0.281	0.453 / 0.377 / 0.337	0.587 / 0.498 / 0.468	0.733 / 0.618 / 0.567	0.952 / 0.798 / 0.730
Water Pressure Drop (High)		Heating	l/s	0.026 / 0.019 / 0.017	0.041 / 0.033 / 0.030	0.055 / 0.042 / 0.038	0.073 / 0.062 / 0.057	0.089 / 0.076 / 0.069	0.115 / 0.099 / 0.094	0.142 / 0.122 / 0.113	0.184 / 0.157 / 0.145
	Fan Motor	Cooling	KPa	7.63	22.00	44.00	94.50	23.60	42.00	71.30	136.00
Heating		KPa	2.62	7.39	14.70	30.80	7.89	13.80	23.20	43.90	
Fan Motor	Power	W	60	80	125 x 2 (250)	270	195	300	355	210 x 4 (840)	
	Running Current	A	0.7	0.9	1.2 x 2 (2.4)	1.72	1.7	2.29	3.2	1.72 x 4 (6.88)	
	Motor Qty	Qty	1	1	1	1	1	1	1	2	
Water Coil	Scroll	Qty	1	1	2	1	2	2	2	4	
	Type	Cross Banding Radiating Pipe Aluminium Fin									
	Test Pressure	MPa	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	OD	mm	9.52								
Air Filter Type	Rows	QTY	3 & 4								
	Washable Sahara Net Filter										
Pipe Connections	Water In										
	Water Out	3/4"									
	Drain										
Dimensions	W x H x D	816 x 288 x 556	1051 x 288 x 556	1286 x 288 x 556	1086 x 338 x 556	1311 x 338 x 596	1491 x 338 x 596	1726 x 338 x 596	2091 x 338 x 596		
Weight - Nett	kg	26	35	44	42	46	53	61	81		



Unit Selection Software Available - Contact ECO AIRE for more information

SPECIFICATIONS



FCU - 50Pa - 4 PIPE - 3 + 1 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						
Performance									
Capacity	Cooling	W	2720	4640	5580	7280	8650	10700	12700
	Heating	W	1110	1850	2200	2930	3420	4200	4960
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	50	50
Air Flow Volume (H / M / L)	Cooling / Heating	l/s	126.00 / 96.00 / 75.90	217 / 162 / 128	262 / 196 / 156	346 / 259 / 256	430 / 332 / 267	522 / 389 / 310	615 / 459 / 365
Water Flow Rate (H / M / L)	Cooling	l/s	0.027 / 0.104 / 0.086	0.221 / 0.175 / 0.145	0.266 / 0.211 / 0.175	0.347 / 0.276 / 0.273	0.412 / 0.336 / 0.282	0.510 / 0.404 / 0.336	0.607 / 0.480 / 0.399
	Heating	l/s	0.130 / 0.022 / 0.018	0.044 / 0.036 / 0.030	0.053 / 0.043 / 0.036	0.070 / 0.057 / 0.057	0.082 / 0.067 / 0.058	0.100 / 0.081 / 0.069	0.119 / 0.097 / 0.082
Water Pressure Drop	Cooling	KPa	2.88	25.80	38.60	33.60	16.80	28.10	42.50
	Heating	KPa	8.28	8.66	12.80	25.50	5.62	9.31	14.00
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	2	2	2	2	2	2
	OD	mm	9.52						
	Rows	QTY	3 + 1						
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	2170 x 265 x 545
Weight - Nett	kg		22	23	25	38.9	42.5	48.5	56

FCUH - 120Pa - 4 PIPE - 3 + 1 ROW

Model No. Indoor			FCUH 30 AW	FCUH 45 AW	FCUH 60 AW	FCUH 80 AW	FCUH 100 AW	FCUH 130 AW	FCUH 160 AW	FCUH 200 AW
Power supply			220V / 1PH / 50Hz							
Performance										
Capacity	Cooling	W	2680	4320	5780	7850	9500	12300	15400	20000
	Heating	W	1090	1720	2290	3050	3750	4800	5950	7680
Noise Level (High)	Indoor	dB(A)	58	58	60	60	65	65	65	65
External Static Pressure (H / M / L)		Pa	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70	120 / 100 / 70
Air Flow Volume (H / M / L)	Cooling / Heating	l/s	129 / 87 / 74	203 / 150 / 132	264 / 181 / 155	366 / 288 / 256	463 / 368 / 319	601 / 488 / 452	741 / 598 / 537	946 / 760 / 681
Water Flow Rate (H / M / L)	Cooling	l/s	0.128 / 0.093 / 0.082	0.206 / 0.162 / 0.146	0.275 / 0.203 / 0.178	0.374 / 0.309 / 0.281	0.453 / 0.377 / 0.337	0.587 / 0.498 / 0.468	0.733 / 0.618 / 0.567	0.952 / 0.798 / 0.730
	Heating	l/s	0.026 / 0.019 / 0.017	0.041 / 0.033 / 0.030	0.055 / 0.042 / 0.037	0.073 / 0.062 / 0.057	0.089 / 0.076 / 0.069	0.115 / 0.099 / 0.094	0.142 / 0.122 / 0.113	0.184 / 0.157 / 0.145
Water Pressure Drop	Cooling	KPa	7.63	22.00	44.00	94.50	23.60	42.00	71.30	136.00
	Heating	KPa	2.62	7.39	14.70	30.80	7.89	13.80	23.20	43.90
Fan Motor	Power	W	60	80	125 x 2 (250)	270	195	300	355	210 x 4 (840)
	Running Current	A	0.7	0.9	1.2 x 2 (2.4)	1.72	1.7	2.29	3.2	1.72 x 4 (6.88)
	Motor	Qty	1	1	1	1	1	1	1	2
	Scroll	Qty	1	1	2	1	2	2	2	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	2.0
	OD	mm	9.52							
	Rows	QTY	3 + 1							
Air Filter Type			Washable Sahara Net Filter							
Pipe Connections	Water In		3/4"							
	Water Out									
	Drain									
Dimensions	W x H x D		816 x 288 x 556	1051 x 288 x 556	1286 x 288 x 556	1086 x 338 x 556	1311 x 338 x 596	1491 x 338 x 596	1726 x 338 x 596	2091 x 338
Weight - Nett	kg		26	35	44	42	46	53	61	81

JHB - t: 011 397 2162 / e: sales@ecoaire.com CAPE TOWN - t: 079 522 0724 / e: bradley@ecoaire.com
 GARDEN ROUTE - t: 072 533 6747 / e: heine@ecoaire.com KZN - t: 031 701 6114 / e: rowland@ecoairekzn.co.za
 PORT ELIZABETH - t: 083 625 0462 / e: simon@solencosa.co.za

Unit Selection Software Available - Contact ECO AIRE for more information