

Technical specifications

High ESP Ceiling unit FUW-A

Standard unit/2 pipe/4 or 6 rows

Model			FUW015A	FUW020A	FUW025A	FUW030A	FUW035A	FUW040A	FUW050A	
Nominal air flow			m³/h	1500	2000	2500	3000	3500	4000	5000
External static pressure (ESP)			Pa	70	100	100	120	120	150	150
Power supply			V/Ph/Hz	220-240/1/50 208-230/1/60						
Nominal capacity	Cooling	4 Rows(return air)	kW	7	10	13	17	20	23	30
		4 Rows(fresh air)		18	26	33	41	47	53	64
		6 Rows(return air)		10	14	18	22	26	30	38
		6 Rows(fresh air)		24	33	42	50	57	65	78
	Heating	4 Rows(return air)		13	18	22	27	32	36	46
		4 Rows(fresh air)		22	29	37	44	52	59	75
		6 Rows(return air)		16	22	27	33	38	44	55
		6 Rows(fresh air)		26	35	43	52	61	70	88
Water flow	Cooling	4 Rows(return air)	l/s	0.34	0.48	0.64	0.79	0.93	1.08	1.42
		4 Rows(fresh air)		0.88	1.24	1.59	1.93	2.25	2.51	3.05
		6 Rows(return air)		0.48	0.67	0.86	1.05	1.23	1.43	1.83
		6 Rows(fresh air)		1.15	1.59	2.01	2.38	2.72	3.08	3.72
	Heating	4 Rows(return air)		0.31	0.42	0.53	0.64	0.75	0.87	1.1
		4 Rows(fresh air)		0.51	0.69	0.87	1.05	1.23	1.41	1.78
		6 Rows(return air)		0.38	1.51	0.65	1.78	0.91	1.04	1.31
		6 Rows(fresh air)		0.61	0.83	1.03	1.24	1.45	1.67	2.08
Water pressure drop	Cooling	4 Rows(return air)	kPa	1	3	5	9	13	19	37
		4 Rows(fresh air)		7	16	29	46	60	66	77
		6 Rows(return air)		4	8	14	22	33	47	87
		6 Rows(fresh air)		18	37	65	79	87	95	112
	Heating	4 Rows(return air)		1	2	3	5	8	11	20
		4 Rows(fresh air)		2	5	8	13	19	27	49
		6 Rows(return air)		2	4	7	11	16	23	41
		6 Rows(fresh air)		5	10	17	26	38	53	93
220-240V~/50Hz	Rated power input	4 Rows	W	373	614	787	797	905	1248	1533
		6 Rows		397	653	823	845	1016	1362	1699
	Rated running current	4 Rows	A	1.72	2.96	3.61	3.62	4.22	5.68	6.98
		6 Rows		1.81	3.01	3.78	3.96	5.1	6.29	7.86
208-230V~/60Hz	Rated power input	4 Rows	W	279	387	945	619	733	1584	2063
		6 Rows		273	445	1137	681	1222	1607	2134
	Rated running current	4 Rows	A	1.28	1.79	4.35	2.83	3.41	7.59	9.55
		6 Rows		1.25	2.03	5.29	3.19	5.97	7.73	9.89
Sound pressure level		High	dB(A)	44.1	50.6	55.7	52.5	53.5	53.6	57
		Medium		40.7	48	52.2	50.5	52.1	51.5	56
		Low		37.7	45.1	48.4	48.5	50.2	49.5	54.9
Structure		Type	Gaivanized steel coated with elextrostatic spraying. Internal gued with Insulator PE							
Filter		Type/material	8mm nylon filter							
Coil		Type	Corrugated aluminun fin mechanically bonded with copper tube							
		Max. Working Pressure(MPa)	1.6							
		Inlet/outlet pipe	R1½"							
		Condensing water pipe	R¾"							
Fan		Type/material	Centrifugal forward curved blower and galvanized steel							
		Fan no.	1				2			
Motor		Type	Single phase capactlor running							
		Quantity	1				2			
		Insulation class	IP20 B							

NOTES:

- 1) ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) THE AIR FLOW IS TESTED AT 20°C DB WITHOUT WATER IN COIL.
- 3) THE COOLING CAPACITY ARE BEING TESTED UNDER FOLLOWING CONDITION:
RETURN AIR COOLING CONDITIONS: 27°C/19.5°C WB; FRESH AIR COOLING CONDITIONS: 34°C DB/28°C WB
COOLING WATER ENTERING/LEAVING CONDITIONS: 7°C/12°C
RETURN AIR HEATING CONDITION: 21°C DB; FRESH AIR HEATING CONDITION: 0°C DB;
HEATING WATER ENTERING/LEAVING CONDITIONS: 60°C/50°C
- 5) ALL PERFORMANCE ARE TESTED UNDER 220V~/50Hz.
- 6) THE PARAMETERS ABOVE ARE MEASURED AT THE ALTITUDE OF 0M ABOVE SEA LEVEL, AND MAY VARY WITH THE ALTITUDE.