

				FWG05AATNMV1	FWG08AATNMV1	FWG11AATNMV1	
Sound pressure level	Medium		dBa	31	42	46	
	Quiet		dBa	16	31	34	
	Low		dBa	23	37	41	
	High		dBa	37	47	51	
Water pressure drop	Heating	High	kPa	21	18	37	
		Medium	kPa	13	12	26	
		Low	kPa	8	8	20	
		Quiet	kPa	4	5	12	
	Cooling	High	kPa	24	20	41	
		Medium	kPa	15	14	30	
		Low	kPa	10	9	22	
		Quiet	kPa	5	7	15	
Control systems	Infrared remote control			included with decoration panel	included with decoration panel	included with decoration panel	
	Wired remote control			BRC51A61	BRC51A61	BRC51A61	
Fan motor	Motor efficiency	Quiet	%	70	75	75	
		High	%	70	75	75	
		Medium	%	70	75	75	
		Low	%	70	75	75	
	Speed	Quiet	rpm	450	660	400	
		High	rpm	200	350	750	
		Medium	rpm	280	440	630	
		Low	rpm	360	550	510	
	Insulation grade			Class "E"	Class "E"	Class "E"	
	Model			Brushless DC motor	Brushless DC motor	Brushless DC motor	
Poles			8	8	8		
Fan motor--Index of protection			20	20	20		
Air velocity distribution	Low		m/s	0.42	0.55	0.57	
	High		m/s	0.64	0.81	0.83	
	Medium		m/s	0.60	0.68	0.71	
	Quiet		m/s	0.27	0.43	0.45	
Cooling capacity	Total capacity	Medium	kW	4.65	7.25	9.70	
		High	kW	5.90	8.80	11.75	
		Quiet	kW	2.40	4.55	6.15	
		Low	kW	3.50	5.80	7.85	
	Sensible capacity	Medium	kW	3.44	5.41	6.97	
		Low	kW	2.54	4.26	5.54	
		High	kW	4.51	6.43	8.37	
		Quiet	kW	1.71	3.22	4.27	
Heat exchanger	Fin	Face area	m <sup>2</sup>	0.39	0.37	0.46	
		Rows	Quantity	2	3	3	
		Type		Aluminium	Aluminium	Aluminium	
	Water volume		l	1.36	1.97	2.35	
	Tube diameter		mm	7.00	7.00	7.00	
	Tube material			Copper	Copper	Copper	
Piping connections	Drain	OD	mm	19.05	19.05	19.05	
	Water		Outlet	19.05 mm	19.05 mm	19.05 mm	
			Inlet	19.05 mm	19.05 mm	19.05 mm	
Water heat exchanger	Water flow rate	Cooling	High	l/min	17.10	25.51	34.06
			Low	l/min	10.15	16.81	22.76
			Medium	l/min	13.48	21.02	28.12

			Quiet	l/min	6.96	12.90	17.83
		Heating	Medium	l/min	13.48	21.02	28.12
			Quiet	l/min	6.96	12.90	17.83
			High	l/min	17.10	25.51	34.06
			Low	l/min	10.15	16.81	22.76
Sound power level	Quiet			dB(A)	30	40	43
	High			dB(A)	46	57	59
	Low			dB(A)	34	49	49
	Medium			dB(A)	40	52	55
Air filter	Quantity			pc	1	1	1
	Type				Washable Saranet	Washable Saranet	Washable Saranet
Dimensions	Packed unit		Width	mm	916	916	916
			Height	mm	341	341	376
			Depth	mm	916	916	916
	Unit		Width	mm	820	820	820
			Depth	mm	820	820	820
			Height	mm	265	265	300
Casing	Colour				Light grey	Light grey	Light grey
Weight	Unit			kg	26	28	32
Fan	Air flow rate		Quiet	m <sup>3</sup> /h	374	714	866
			Medium	m <sup>3</sup> /h	799	1,223	1,478
			Low	m <sup>3</sup> /h	595	951	1,155
			High	m <sup>3</sup> /h	1,053	1,512	1,801
	Type				Direct drive turbo fan	Direct drive turbo fan	Direct drive turbo fan
Decoration panel	Dimensions	Packed unit	Height	mm	125	125	125
			Depth	mm	1,020	1,020	1,020
			Width	mm	1,020	1,020	1,020
			Height	mm	75	75	75
			Depth	mm	990	990	990
			Width	mm	990	990	990
	Weight			kg	4	4	4
Heating capacity	2-Pipe		Low	kW	4.45	7.00	9.25
			Medium	kW	5.80	8.90	11.45
			High	kW	7.10	11.20	13.70
			Quiet	kW	3.30	5.40	7.05
Template					FCU	FCU	FCU
Air direction control					4 way automatic louver (up & down)	4 way automatic louver (up & down)	4 way automatic louver (up & down)
Power supply	Frequency			Hz	50	50	50
	Voltage			V	220-240	220-240	220-240
	Phase				1~	1~	1~
Fan motor	Power input		Low	kW	0.012	0.026	0.039
			Medium	kW	0.019	0.050	0.083
			Quiet	kW	0.007	0.017	0.023
			High	kW	0.037	0.090	0.120
	Running current		Medium	A	0.19	0.43	0.55
			Quiet	A	0.11	0.19	0.21
			Low	A	0.13	0.28	0.35
			High	A	0.26	0.74	0.95
	Starting current			A	1.5	2.2	2.2
Notes					Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C

				Heating: 2 pipe: air 20°CDB; entering water 50°C	Heating: 2 pipe: air 20°CDB; entering water 50°C	Heating: 2 pipe: air 20°CDB; entering water 50°C
				Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C at Eurovent standard	Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C at Eurovent standard	Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C at Eurovent standard
				Additional 10W is required for condensate drain pump	Additional 10W is required for condensate drain pump	Additional 10W is required for condensate drain pump
				Sound pressure level is tested as per JIS standard as below: FWG05/08: 1.4m, FWG11: 1.5m below the face center of air return of the unit.	Sound pressure level is tested as per JIS standard as below: FWG05/08: 1.4m, FWG11: 1.5m below the face center of air return of the unit.	Sound pressure level is tested as per JIS standard as below: FWG05/08: 1.4m, FWG11: 1.5m below the face center of air return of the unit.
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				FWG05AAFNMV1	FWG08AAFNMV1	FWG11AAFNMV1
Sound pressure level	Medium		dBa	31	42	46
	Quiet		dBa	16	31	34
	Low		dBa	23	37	41
	High		dBa	37	47	51
Water pressure drop	Heating	High	kPa	22	32	52
		Medium	kPa	17	25	39
		Low	kPa	10	18	30
		Quiet	kPa	7	13	21
	Cooling	High	kPa	18	19	32
		Medium	kPa	13	15	24
		Low	kPa	9	10	19
		Quiet	kPa	5	6	12
Control systems	Infrared remote control			included with decoration panel	included with decoration panel	included with decoration panel
	Wired remote control			BRC51A61	BRC51A61	BRC51A61
Fan motor	Motor efficiency	Quiet	%	70	75	75
		High	%	70	75	75
		Medium	%	70	75	75
		Low	%	70	75	75
	Speed	Quiet	rpm	200	350	400
		High	rpm	450	660	750
		Medium	rpm	360	550	630
		Low	rpm	280	440	510
Insulation grade			Class "E"	Class "E"	Class "E"	
Model			Brushless DC motor	Brushless DC motor	Brushless DC motor	
Poles			8	8	8	
Fan motor--Index of protection			20	20	20	
Air velocity distribution	Low		m/s	0.42	0.55	0.57
	High		m/s	0.64	0.81	0.83
	Medium		m/s	0.60	0.68	0.71
	Quiet		m/s	0.27	0.43	0.45
Cooling capacity	Total capacity	Medium	kW	3.60	6.10	7.75
		High	kW	4.40	7.20	9.00
		Quiet	kW	2.00	3.90	5.20
		Low	kW	2.80	5.00	6.50
	Sensible capacity		Medium	kW	2.99	4.85

			Low	kW	2.24	3.81	4.90
			High	kW	3.85	5.75	7.17
			Quiet	kW	1.56	2.91	3.89
Heat exchanger	Fin		Face area	m <sup>2</sup>	0.39	0.37	0.46
			Rows	Quantity	2	3	3
				Type	Aluminium	Aluminium	Aluminium
	Water volume			l	1.36	1.97	2.35
	Tube diameter			mm	7.00	7.00	7.00
	Tube material				Copper	Copper	Copper
Piping connections	Drain		OD	mm	19.05	19.05	19.05
	Water			Outlet	19.05 mm	19.05 mm	19.05 mm
				Inlet	19.05 mm	19.05 mm	19.05 mm
Water heat exchanger	Water flow rate	Cooling	High	l/min	12.75	20.87	26.09
			Low	l/min	8.12	14.49	18.84
			Medium	l/min	10.44	17.68	22.47
			Quiet	l/min	5.80	11.31	15.07
		Heating	Medium	l/min	9.20	13.91	19.64
			Quiet	l/min	5.44	9.28	13.55
			High	l/min	11.09	16.23	22.68
			Low	l/min	9.20	13.91	16.60
Sound power level	Quiet			dB(A)	30	40	43
	High			dB(A)	46	57	59
	Low			dB(A)	34	49	49
	Medium			dB(A)	40	52	55
Air filter	Quantity			pc	1	1	1
	Type				Washable Saranet	Washable Saranet	Washable Saranet
Dimensions	Packed unit		Width	mm	916	916	916
			Height	mm	341	341	376
			Depth	mm	916	916	916
	Unit		Width	mm	820	820	820
			Depth	mm	820	820	820
			Height	mm	265	265	300
Casing	Colour				Light grey	Light grey	Light grey
Weight	Unit			kg	26	28	32
Fan	Air flow rate		Quiet	m <sup>3</sup> /h	374	714	866
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			High	m <sup>3</sup> /h	1,053	1,512	1,801
	Type				Direct drive turbo fan	Direct drive turbo fan	Direct drive turbo fan
Decoration panel	Dimensions	Packed unit	Height	mm	125	125	125
			Depth	mm	1,020	1,020	1,020
			Width	mm	1,020	1,020	1,020
			Height	mm	75	75	75
			Depth	mm	990	990	990
			Width	mm	990	990	990
	Weight			kg	4	4	4
Heating capacity	4-Pipe		High	kW	7.65	11.20	15.65
			Medium	kW	6.35	9.60	13.55
			Quiet	kW	3.75	6.40	9.35
			Low	kW	5.05	8.00	11.45
Template					FCU	FCU	FCU

Air direction control					4 way automatic louver (up & down)	4 way automatic louver (up & down)	4 way automatic louver (up & down)
Power supply	Frequency		Hz		50	50	50
	Voltage		V		220-240	220-240	220-240
	Phase				1~	1~	1~
Fan motor	Power input	Low	kW		0.012	0.026	0.039
		Medium	kW		0.019	0.050	0.083
		Quiet	kW		0.007	0.017	0.023
	Running current	High	kW		0.037	0.090	0.120
		Medium	A		0.19	0.43	0.55
		Quiet	A		0.11	0.19	0.21
		Low	A		0.13	0.28	0.35
		High	A		0.26	0.74	0.95
		Starting current	A		1.5	2.2	2.2
Notes					Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C
					Heating: 2 pipe: air 20°CDB; entering water 50°C	Heating: 2 pipe: air 20°CDB; entering water 50°C	Heating: 2 pipe: air 20°CDB; entering water 50°C
					Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C	Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C	Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C
					at Eurovent standard	at Eurovent standard	at Eurovent standard
					Additional 10W is required for condensate drain pump	Additional 10W is required for condensate drain pump	Additional 10W is required for condensate drain pump
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