

				FWS02AT	FWS03AT	FWS06AT	FWS08AT
Water pressure drop	Cooling		kPa	20 (4)	29 (4)	24 (4)	25 (4)
	Heating		kPa	16 (4)	23 (4)	19 (4)	20 (4)
Control systems	Wired remote control			FWEC3A	FWEC3A	FWEC3A	FWEC3A
Water flow	Heating		l/h	454 (4)	853 (4)	1,084 (4)	1,728 (4)
	Cooling		l/h	454 (4)	853 (4)	1,084 (4)	1,728 (4)
Fan motor	Model			Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection
Cooling capacity	Total capacity	Min.	kW	0.61 (1)	0.88 (1)	1.19 (1)	1.79 (1)
		Max.	kW	2.64 (1)	4.96 (1)	6.32 (1)	10.08 (1)
	Sensible capacity	Min.	kW	0.41 (1)	0.58 (1)	0.79 (1)	1.20 (1)
		Max.	kW	1.95 (1)	3.60 (1)	4.80 (1)	7.43 (1)
Heat exchanger	Water volume		l	0.7	1	1.4	2.1
	Fin pitch		mm	1.6	1.6	1.6	2.1
	Stages		Quantity	10	10	10	12
	Rows		Quantity	3	3	3	3
	Face area		m ²	0.086	0.138	0.191	0.292
Piping connections	Drain	OD	mm	17	17	17	17
	Water		Outlet	1/2"	1/2"	1/2"	3/4"
			Inlet	1/2"	1/2"	1/2"	3/4"
Power input	Min.		W	2.2	2.2	3.4	4.2
	Max.		W	57.4	82.7	101.4	147
Sound power level	Max.		dBA	62	70	64	71
	Min.		dBA	28	28	28	28
Air filter	Type			Plastic	Plastic	Plastic	Plastic
Dimensions	Unit		mm	584	794	1,004	1,214
			Depth	224	224	224	249
			Height	535	535	535	535
Casing	Colour			Plastic and metal RAL9010	Plastic and metal RAL9010	Plastic and metal RAL9010	Plastic and metal RAL9010
	Material			Plastic + sheet metal	Plastic + sheet metal	Plastic + sheet metal	Plastic + sheet metal
Weight	Unit		kg	15	19	23	32
Fan	Air flow rate	Max.	m ³ /h	560 (3)	900 (3)	1,200 (3)	1,660 (3)
		Min.	m ³ /h	70 (3)	95 (3)	130 (3)	200 (3)
	Quantity			1	2	2	2
	Type			Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction
Heating capacity	2-Pipe	Max.	kW	3.47 (2)	6.40 (2)	7.51 (2)	11.18 (2)
		Min.	kW	0.69 (2)	0.95 (2)	1.29 (2)	1.92 (2)
Vibration insulation				Rubber ring for fan motor	Rubber ring for fan motor	Rubber ring for fan motor	Rubber ring for fan motor
Insulation material				Class 1 self-extinguishing	Class 1 self-extinguishing	Class 1 self-extinguishing	Class 1 self-extinguishing
Template				FCU	FCU	FCU	FCU
Current input	Min.		A	0.05	0.05	0.07	0.09
	Max.		A	0.50	0.72	0.88	1.27
Required wire section			mm ²	1	1	1	1
Required fuses			A	1	1	2	2
Power supply	Frequency		Hz	50	50	50	50
	Voltage		V	230	230	230	230
	Phase			1~	1~	1~	1~
Notes				Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 2 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C
				Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode	Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode	Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode	Heating: 2 pipe: air 20°CDB, entering water 50°C, water flow as per cooling mode
				Air flow at 0Pa ESP	Air flow at 0Pa ESP	Air flow at 0Pa ESP	Air flow at 0Pa ESP
				Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed
				The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.
				FWS02AF	FWS03AF	FWS06AF	FWS08AF
Water pressure drop	Cooling		kPa	20 (4)	29 (4)	24 (4)	25 (4)
	Heating		kPa	11 (4)	9 (4)	14 (4)	45 (4)
Control systems	Wired remote control			FWEC3A	FWEC3A	FWEC3A	FWEC3A

Water flow	Heating		l/h	216 (4)	367 (4)	565 (4)	882 (4)
	Cooling		l/h	454 (4)	853 (4)	1,084 (4)	1,728 (4)
Fan motor	Model			Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection	Permanent magnet rotor, F class insulation, electronic overload protection
Cooling capacity	Total capacity	Min.	kW	0.60 (1)	0.88 (1)	1.19 (1)	1.79 (1)
		Max.	kW	2.64 (1)	4.96 (1)	6.32 (1)	10.08 (1)
	Sensible capacity	Min.	kW	0.40 (1)	0.58 (1)	0.79 (1)	1.20 (1)
		Max.	kW	1.95 (1)	3.60 (1)	4.80 (1)	7.43 (1)
Heat exchanger	Water volume		l	0.7	1	1.4	2.1
	Fin pitch		mm	1.6	1.6	1.6	2.1
	Stages		Quantity	10	10	10	12
	Rows		Quantity	3	3	3	3
	Face area		m ²	0.086	0.138	0.191	0.292
Additional heat exchanger	Fin pitch		mm	1.6	1.6	1.6	1.6
	Face area		m ²	0.068	0.110	0.152	0.243
	Water volume		l	0.2	0.3	0.4	0.6
	Stages		Quantity	8	8	8	10
	Rows		Quantity	1	1	1	1
Piping connections	Drain	OD	mm	17	17	17	17
	Water		Outlet	1/2"	1/2"	1/2"	3/4"
Power input	Min.		W	2.2	2.2	3.24	4.2
	Max.		W	57.4	82.7	101.4	147
Sound power level	Max.		dBA	62	70	64	71
	Min.		dBA	28	28	28	28
Air filter	Type			Plastic	Plastic	Plastic	Plastic
Dimensions	Unit	Width	mm	584	794	1,004	1,214
		Depth	mm	224	224	224	249
		Height	mm	535	535	535	535
Casing	Colour			Plastic and metal RAL9010	Plastic and metal RAL9010	Plastic and metal RAL9010	Plastic and metal RAL9010
	Material			Plastic + sheet metal	Plastic + sheet metal	Plastic + sheet metal	Plastic + sheet metal
Weight	Unit		kg	16	20	25	34
Fan	Air flow rate	Max.	m ³ /h	560 (3)	900 (3)	1,200 (3)	1,660 (3)
		Min.	m ³ /h	70 (3)	95 (3)	130 (3)	200 (3)
	Quantity			1	2	2	2
	Type			Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction	Centrifugal multi-blade, double suction
Heating capacity	4-Pipe	Max.	kW	2.46 (2)	4.19 (2)	6.45 (2)	10.06 (2)
		Min.	kW	0.82 (2)	1.18 (2)	1.76 (2)	2.83 (2)
Vibration insulation				Rubber ring for fan motor	Rubber ring for fan motor	Rubber ring for fan motor	Rubber ring for fan motor
Insulation material				Class 1 self-extinguishing	Class 1 self-extinguishing	Class 1 self-extinguishing	Class 1 self-extinguishing
Template				FCU	FCU	FCU	FCU
Current input	Min.		A	0.05	0.05	0.07	0.09
	Max.		A	0.50	0.72	0.88	1.27
Required wire section			mm ²	1	1	1	1
Required fuses			A	1	1	2	2
Power supply	Frequency		Hz	50	50	50	50
	Voltage		V	230	230	230	230
	Phase			1~	1~	1~	1~
Notes				Cooling: 4 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 4 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 4 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C	Cooling: 4 pipe: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°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	Heating: 4 pipe: air 20°CDB; entering water 70°C; leaving water 60°C
				Air flow at 0Pa ESP	Air flow at 0Pa ESP	Air flow at 0Pa ESP	Air flow at 0Pa ESP
				Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed	Water flow rate values and water pressure drop values are at maximum speed
				The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.	The power consumption for the valve motor is 5W (peak). This is only during opening.