

TECHNICAL DATA

OUTDOOR UNIT			AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93
Part number			7HP061065	7HP061066	7HP061067	7HP061068	7HP061069	7HP061070	7HP061071	7HP061072	7HP061073	7HP061074
Phase			Single-phase	Single-phase	Single-phase	Single-phase	Single-phase			Three-phase		
HEATING MODE												
Air +7°C Water 30/35°C	Heating capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00
	Power input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50
Air -7°C Water 30/35°C	Heating capacity	kW	4.80	6.10	7.10	8.25	10.00	12.00	13.30	10.00	12.00	13.30
	Power input	kW	1.52	2.00	2.18	2.62	3.33	4.29	4.93	3.33	4.29	4.93
	COP		3.15	3.05	3.25	3.15	3.00	2.80	2.70	3.00	2.80	2.70
Air +7°C Water 47/55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00
	Power input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90
Air -7°C Water 47/55°C	Heating capacity	kW	4.00	5.15	6.15	7.05	10.60	11.30	12.60	10.60	11.30	12.60
	Power input	kW	2.05	2.58	3.00	3.53	5.25	5.46	6.29	5.25	5.46	6.29
	COP		1.95	2.00	2.05	1.97	2.02	2.01	2.00	2.02	2.01	2.00
COOLING MODE												
Air 35°C Water 12/7°C	Cooling capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00
	Power input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45
Air 35°C Water 23/18°C	Cooling capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90
	Power input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40
PERFORMANCE												
Energy label (average climate)	Water outlet to 35°C		A+++				A+++					
	Water outlet to 55°C		A++				A++					
Seasonal efficiency (average climate)	Water outlet to 35°C	%	191	195	205	205	189	186	182	189	186	182
	Water outlet to 55°C	%	130	138	132	137	135	136	133	135	136	133
SCOP (average climate)	Water outlet to 35°C		4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62
	Water outlet to 55°C		3.31	3.52	3.36	3.49	3.45	3.47	3.41	3.45	3.47	3.41
Sound level		dB(A)	56	58	59	60	64	65	68	64	65	68
Sound pressure level (1m)		dB(A)	44	45	46	49	50	51	55	50	51	55
OPERATING LIMITS												
Outdoor air temperature	Cooling	°C	-5/43				-5/43					
	Heating	°C	-25/35				-25/35					
	Domestic hot water	°C	-25/43				-25/43					
POWER SUPPLY												
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz		3P/380-415V/50Hz			
Power cable section		mm²	3G2.5		3G2.5		3G4	3G6	3G6	5G2.5	5G2.5	5G2.5
Fuse rating am		A	16		20		25	32	32	16	16	16
Electrical connections in/out (shielded)		mm²	2x1.5		2x1.5		2x1.5	2x1.5	2x1.5	2x1.5	2x1.5	2x1.5
INSTALLATION AND OTHERS												
Airflow		m³/h	2770		4030		4060		4650	4060		4650
Refrigerant/GWP			R32/675				R32/675					
Charge (15m)		kg	1.50		1.65		1.84					
Additionnal charge		g/m	20		38		38					
Outline dimensions (WxHxD)		mm	1008x712x426		1118x865x523		1118x865x523					
Package dimensions (WxHxD)		mm	1065x800x485		1180x890x560		1180x890x560					
Net weight/Gross weight		kg	58/64		77/88		96/110		112/125			
Pipe diameter (liquid - gas)		inches	1/4" - 5/8"		3/8" - 5/8"				3/8" - 5/8"			

INDOOR UNIT			ODMA-100T-09M22-19	ODMA-100T-09M22-25	ODMA-100T-09M22-19	ODMA-100T-09M22-25	ODMA-100T-09M22-19	ODMA-100T-09M22-25	ODMA-100T-09M22-19	ODMA-100T-09M22-25	ODMA-160T-09M22-25					
Part number			7SPI30001	7SPI30002	7SPI30001	7SPI30002	7SPI30001	7SPI30002	7SPI30001	7SPI30002	7SPI30003					
COMPATIBLE OUTDOOR UNIT			AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93
Phase			Single-phase				Single-phase				Single-phase					
TANK																
Volume		l	190				240				240					
Electric backup heater		kW	3				3				3					
PERFORMANCE EN16147 (AVERAGE CLIMATE)																
DHW profile			L				XL				XL					
DHW energy label (average climate)			A+				A+				A+					
DHW seasonal efficiency (average climate)		%	127				136				123					
DHW COP			3.10				3.34				3.00					
Sound level		dB(A)	42				42				43					
Sound pressure level (1m)		dB(A)	30				30				32					
POWER SUPPLY																
Phase/Voltage/Frequency			1P/220-240V/50Hz				1P/220-240V/50Hz				1P/220-240V/50Hz					
Electric backup heater		kW	3.00				3.00				3.00					
Power cable section (electric back-up integrated)		mm²	3G2.5				3G2.5				3G2.5					
Fuse rating am (electric back-up integrated)		A	16				16				16					
INSTALLATION AND OTHERS																
Water pipe diameter		inches	R1				R1				R1					
DHW pipe diameter		inches	R3/4				R3/4				R3/4					
Outline dimensions (WxHxD)		mm	600x1683x600				600x1943x600				600x1943x600					
Package dimensions (WxHxD)		mm	653x1900x653				653x2160x653				653x2160x653					
Net weight/Gross weight		kg	140/161				157/178				159/180					

+ PRODUCT

- RCW30 remote control included
- Refrigerant connections, no need for antifreeze protection
- Wide power range, and water output up to 60°C: ideal for new and renovated installation
- 3 kW or 9 kW electric back-up included⁽²⁾

Connectivity



FEATURES



BLUE FIN TREATMENT



PROGRAMMABLE TIMER



WEEKLY TIMER



REMOTE CONTROL LOCK



COOLING MODE OPERATIONAL UP TO 43°C OUTDOOR



HEATING MODE OPERATIONAL DOWN TO -25°C OUTDOOR



UNIT ON/OFF OUTPUT



MEDIUM TEMPERATURE UP TO 60°C



FLOOR HEATING/COOLING



LOW-TEMPERATURE RADIATOR



BOILER REPLACEMENT



BOILER BACK-UP



TEMPERATURE LOCK



MODE LOCK



WI-FI



FAN COIL



WATER PROGRAM

WELLEA S MT

Split heat pump



HEATING A+++



FLUID R32



RCW30 included



WELLEA S MT indoor unit



WELLEA ODU 4-6 kW



WELLEA ODU 8-16 kW

+ “SUSTAINABLE DEVELOPMENT”

- Energy saving thanks to A+++ energy class.
- Cut your bills: COP up to 5,20.

+ “USER”

- Ideal for replacing a gas or fuel oil boiler.
- Saves on heating elements thanks to the 60°C water temperature.
- Heat pump remote-controlled thanks to AirHome connectivity (as standard).

+ “INSTALLER”

- Cascade management up to 6 units.
- Customisable water program.
- ZERO concept option: 2-area control, dual-purpose control, Smart Grid contact, and more as standard.
- Modular product: heating / cooling / domestic hot water (with accessories).
- Backup of your settings via USB.

+ “TECHNOLOGY”

- Ultra-quiet model: 30 dB(A) at 5 m⁽¹⁾.
- Works down to an outdoor of -25°C.
- HP Keymark certified, guaranteed performance.

(1) Acoustic pressure of 4 kW model, free field directivity 1.

(2) Depending on model.

TECHNICAL DATA

OUTDOOR UNIT	AW-YHPSA04-H91	AW-YHPSA06-H91	AW-YHPSA08-H91	AW-YHPSA10-H91	AW-YHPSA12-H91	AW-YHPSA14-H91	AW-YHPSA16-H91	AW-YHPSA12-H93	AW-YHPSA14-H93	AW-YHPSA16-H93
Part number	7HP061065	7HP061066	7HP061067	7HP061068	7HP061069	7HP061070	7HP061071	7HP061072	7HP061073	7HP061074
Phase	Single-phase				Single-phase			Three-phase		

HEATING MODE

Air +7°C Water 30/35°C	Heating capacity	kW	4.25	6.20	8.30	10.00	12.10	14.50	16.00	12.10	14.50	16.00
	Power input	kW	0.82	1.24	1.60	2.00	2.44	3.09	3.56	2.44	3.09	3.56
	COP		5.20	5.00	5.20	5.00	4.95	4.70	4.50	4.95	4.70	4.50
Air -7°C Water 30/35°C	Heating capacity	kW	4.80	6.10	7.10	8.25	10.00	12.00	13.30	10.00	12.00	13.30
	Power input	kW	1.52	2.00	2.18	2.62	3.33	4.29	4.93	3.33	4.29	4.93
	COP		3.15	3.05	3.25	3.15	3.00	2.80	2.70	3.00	2.80	2.70
Air +7°C Water 47/55°C	Heating capacity	kW	4.40	6.00	7.50	9.50	12.00	13.80	16.00	12.00	13.80	16.00
	Power input	kW	1.49	2.00	2.36	3.06	3.87	4.60	5.52	3.87	4.60	5.52
	COP		2.95	3.00	3.18	3.10	3.10	3.00	2.90	3.10	3.00	2.90
Air -7°C Water 47/55°C	Heating capacity	kW	4.00	5.15	6.15	7.05	10.60	11.30	12.60	10.60	11.30	12.60
	Power input	kW	2.05	2.58	3.00	3.53	5.25	5.46	6.29	5.25	5.46	6.29
	COP		1.95	2.00	2.05	1.97	2.02	2.01	2.00	2.02	2.01	2.00

COOLING MODE

Air 35°C Water 12/7°C	Cooling capacity	kW	4.70	7.00	7.40	8.20	11.60	12.70	14.00	11.60	12.70	14.00
	Power input	kW	1.36	2.33	2.19	2.48	4.22	4.98	5.71	4.22	4.98	5.71
	EER		3.45	3.00	3.38	3.30	2.75	2.55	2.45	2.75	2.55	2.45
Air 35°C Water 23/18°C	Cooling capacity	kW	4.50	6.55	8.40	10.00	12.00	13.50	14.90	12.00	13.50	14.90
	Power input	kW	0.81	1.34	1.66	2.08	3.00	3.75	4.38	3.00	3.75	4.38
	EER		5.55	4.90	5.05	4.80	4.00	3.60	3.40	4.00	3.60	3.40

PERFORMANCE

Energy label (average climate)	Water outlet to 35°C		A+++				A+++					
	Water outlet to 55°C		A++				A++					
Seasonal efficiency (average climate)	Water outlet to 35°C	%	191	195	205	205	189	186	182	189	186	182
	Water outlet to 55°C	%	130	138	132	137	135	136	133	135	136	133
SCOP (average climate)	Water outlet to 35°C		4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62
	Water outlet to 55°C		3.31	3.52	3.36	3.49	3.45	3.47	3.41	3.45	3.47	3.41
Sound level		dB(A)	56	58	59	60	64	65	68	64	65	68
Sound pressure level at 1m		dB(A)	44	45	46	49	50	51	55	50	51	55

OPERATING LIMITS

Outdoor air temperature	Cooling	°C	-5/43				-5/43					
	Heating	°C	-25/35				-25/35					
	DHW	°C	-25/43				-25/43					

POWER SUPPLY

Phase/Voltage/Frequency		1P/220-240V/50Hz				1P/220-240V/50Hz			3P/380-415V/50Hz			
Power cable section	mm²	3G2.5		3G2.5		3G4	3G6	3G6	5G2.5	5G2.5	5G2.5	
Fuse rating am	A	16		20		25	32	32	16	16	16	
Electrical connections in/out (shielded)	mm²	2x1.5		2x1.5		2x1.5	2x1.5	2x1.5	2x1.5	2x1.5	2x1.5	

INSTALLATION AND OTHERS

Airflow	m³/h	2770	4030	4060	4650	4060	4650
Refrigerant/GWP		R32/675		R32/675			
Charge (15m)	kg	1.50	1.65	1.84			
Additional charge	g/m	20	38	38			
Outline dimensions (WxHxD)	mm	1008x712x426	1118x865x523	1118x865x523			
Package dimensions (WxHxD)	mm	1065x800x485	1180x890x560	1180x890x560			
Net weight/Gross weight	kg	58/64	77/88	96/110		112/125	
Pipe diameter (liquid - gas)	inches	1/4" - 5/8"	3/8" - 5/8"	3/8" - 5/8"			

INDOOR UNIT	AW-WHPSA0406-N91	AW-WHPSA0810-N91	AW-WHPSA1216-N91	AW-WHPSA1216-N93
Part number	7HP010015	7HP010016	7HP010017	7HP010018
Phase	Single-phase		Single-phase	

PERFORMANCE

Sound level	dB(A)	38	42	43	43
Sound pressure level (1m)		28	30	32	32

POWER SUPPLY

Phase/Voltage/Frequency		1P/220-240V/50Hz		1P/220-240V/50Hz		3P/380-415V/50Hz	
Electric backup heater built-in	kW	3		3		3/6/9	
Power cable section (electric back-up integrated)	mm²	3G2.5		3G2.5		5G2.5	
Fuse rating am (electric back-up integrated)	A	16		16		16	

INSTALLATION AND OTHERS

Water pipe diameter	inches	R1		R1	
Outline dimensions (WxHxD)	mm	420x790x270		420x790x270	
Package dimensions (WxHxD)	mm	525x1050x360		525x1050x360	
Net weight/Gross weight	kg	43/49		45/51	