

DCD

Ducted MSP monosplit
multisplit → only size 12
DC Inverter



TWIN APPLICATION

- Ducted line available in capacities from 3.5 up to 16 kW.
- Cooling & heating operation mode.
- DC Inverter and sine wave compressor drive technology.
- "I Feel" function with precise room temperature control.
- Available in 3PH from 10 kW.



Sizes 12 to 36



RCW8

DCD

Ducted medium static pressure monosplit multisplit → only size 12 / DC Inverter

[PRODUCT ADVANTAGES]

- Full range of accessories and controls.
- Possibility to wire a water pump.
- Air return option from rear or bottom side.
- Option to connect to central controller or wireless remote control.
- Air filter is included.
- Twin application.



All sizes except DCD 048-060

[TECHNICAL DATA]

Indoor units		AWSI-DCD012-N11	AWSI-DCD018-N11	AWSI-DCD024-N11	AWSI-DCD030-N11	AWSI-DCD036-N11	AWSI-DCD036-N11	AWSI-DCD048-N11	AWSI-DCD060-N11
Outdoor units 1-230V - 50 Hz		AWAU-YLD012-H11	AWAU-YLD018-H11	AWAU-YLD024-H11	AWAU-YLD030-H11	AWAU-YLD036-H11	-	-	-
Outdoor units 3-400V - 50 Hz - N		-	-	-	-	-	AWAU-YLD036-H13	AWAU-YLD048-H13	AWAU-YLD060-H13
COOLING									
Rated capacity	kW	3.5 (1.1-4.0)	5.3 (1.5-6.4)	7 (2.0-7.9)	8.3 (2.5-9.5)	10 (3.2-11.6)	10.2 (3.2-11.6)	14.0 (4.5-15.2)	16.0 (5.6-17.6)
Pdesignc	kW	3.5	5.3	7	8.3	10	10.2	-	-
Rated power input	kW	1.09	1.65	2.18	2.76	3.32	3.39	4.36	4.97
SEER/Energy label		5.1/A	6.4/A++	6.6/A++	6.3/A++	5.3/A	5.1/A	3.21/A	3.22/A
Operating limits	°C	-15°/50° Dry bulb							
HEATING									
Rated capacity	kW	3.8 (1.1-4.5)	5.6 (1.5-6.8)	7.8 (2.0-8.8)	9.2 (2.6-10.3)	11.0 (3.2-12.5)	11.0 (3.2-12.5)	17 (5.2-18.2)	19.5 (6.0-21.2)
Pdesignh (average climate)	kW	3.4	5.1	7.8	8.5	10.2	10.2	-	-
Pdesignh (warmer climate)	kW	3.5	5.1	7.8	8.5	10.5	10.5	-	-
Rated power input	kW	1.05	1.47	2.14	2.48	3.05	3.05	4.57	5.39
SCOP/Energy label (average climate)		3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.8/A	3.72/A	3.62/A
SCOP/Energy Label (warmer climate)		4.8/A++	4.8/A++	4.6/A++	4.6/A++	4.4/A++	4.4/A++	-	-
Operating limits	°C	-15°/24° Dry bulb							
Capacity @ -10°C	kW	3	4.3	6.6	6.9	9	8.5	13.6	15.6
Capacity @ -15°C	kW	2.7	3.6	5.8	5.9	7.9	7.8	11	12.6
INDOOR UNIT									
Sound pressure level to 1 m (LS/MS/HS)	dB(A)	36/39/41	39/43/45	39/43/46	40/44/48	36/39/42	36/39/42	36/39/42	51/54/57
Sound power level	dB(A)	58	58	63	65	62	62	62	67
Airflow (LS/MS/HS)	m³/h	410/440/560	800/950/1250	800/950/1250	1140/1580/1990	1180/1560/1740	1180/1560/1740	-/1640/2410	1940/2410/3010
External static pressure Range	Pa	25 (0-40)	25 (0-60)	25 (0-80)	37 (0-80)	37 (0-80)	37 (0-80)	50 (0-100)	50 (0-200)
Dehumidification	l/h	1.5	2.0	2.3	2.5	3.5	3.5	4.5	5.0
Outline dimensions (WxHxD)	mm	700x210x635	920x270x635	920x270x635	1140x270x775	1200x300x865	1200x300x865	1200x300x865	1400x440x858
Package dimensions (WxHxD)	mm	915x290x655	1135x350x655	1135x350x655	1355x350x795	1385x373x920	1385x373x920	1385x373x920	1590x470x895
Net weight/Gross weight	kg	18/22.8	28/31.5	28/31.5	35/42	44/52.5	44/52.5	44/53	75/83
Part number		7SP032158	7SP032159	7SP032142	7SP032143	7SP032144	7SP032144	7SP032145	7SP032146
OUTDOOR UNIT									
Sound pressure level to 1 m	dB(A)	52	55	57	58	60	60	61	61
Sound power level	dB(A)	62	65	69	70	70	70	70	70
Airflow	m³/h	2200	2500	3500	3800	5500	5500	7200	7500
Compressor type		Rotary DCI	Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI	Twin Rotary DCI
Outline dimensions (WxHxD)	mm	760x590x285	845x700x320	900x860x315	900x860x315	990x965x345	990x965x345	938x1369x392	938x1369x392
Package dimensions (WxHxD)	mm	887x645x355	965x755x395	1043x915x395	1043x915x395	1120x1100x435	1120x1100x435	1095x1505x495	1095x1505x495
Net weight/Gross weight	kg	35.4/37.9	46/50	59/63	59/63	73/83	77/88	102.5/116	102.5/116
Part number 1-230V - 50 Hz		7SP062821	7SP062822	7SP062823	7SP062824	7SP062825	-	-	-
Part number 3-400V - 50 Hz - N		-	-	-	-	-	7SP062826	7SP062827	7SP062828
POWER SUPPLY 1-230V - 50 HZ									
Power supply side		Outdoor	Ind. & Out.	Ind. & Out.	Ind. & Out.	Ind. & Out.	-	-	-
Power cable section	mm²	3x1.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x2.5	3x1.0+3x4.0	-	-	-
Fuse rating am	A	16	10+16	10+20	10+30	10+30	-	-	-
Electrical connections	mm²	4x1.0	3x0.5	3x0.5	3x0.5	3x0.5	-	-	-
POWER SUPPLY 3-400V - 50 HZ - N									
Power supply side		-	-	-	-	-	Ind. & Out.	Ind. & Out.	Ind. & Out.
Power cable section	mm²	-	-	-	-	-	3x1.0+5x2.5	3x1.0+5x2.5	3x1.0+5x2.5
Fuse rating am	A	-	-	-	-	-	10+20	10+25	10+25
Electrical connections	mm²	-	-	-	-	-	3x0.5	3x0.5	3x0.5
PIPE LINE									
Suction pipe diameter	inches	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"
Liquid pipe diameter	inches	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Max length	m	20	30	50	50	65	65	65	65
Max height	m	10	20	25	25	30	30	30	30

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