

Airwell

■ *Just feel well*

DK DN

Air-to-air split system /
Cooling and heating mode

[**EC COMPLY**]



[**EC COMPLY**] Product which is not included in ECO Design regulation

Airwell
Residential

AIRWELL ■ ELECTRA ■ JOHNSON

DK DN

Air-to-air split system / Cooling and heating mode

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FUNCTIONS

- > Cooling and heating mode
- > Cooling Capacity: from 12.1 to 83 kW
- > Heating Capacity: from 12.4 to 83.8 kW
- > Refrigerant: R407C
- > Sizes: 12
- > Configuration: Packaged Split system

MAIN OPTIONS

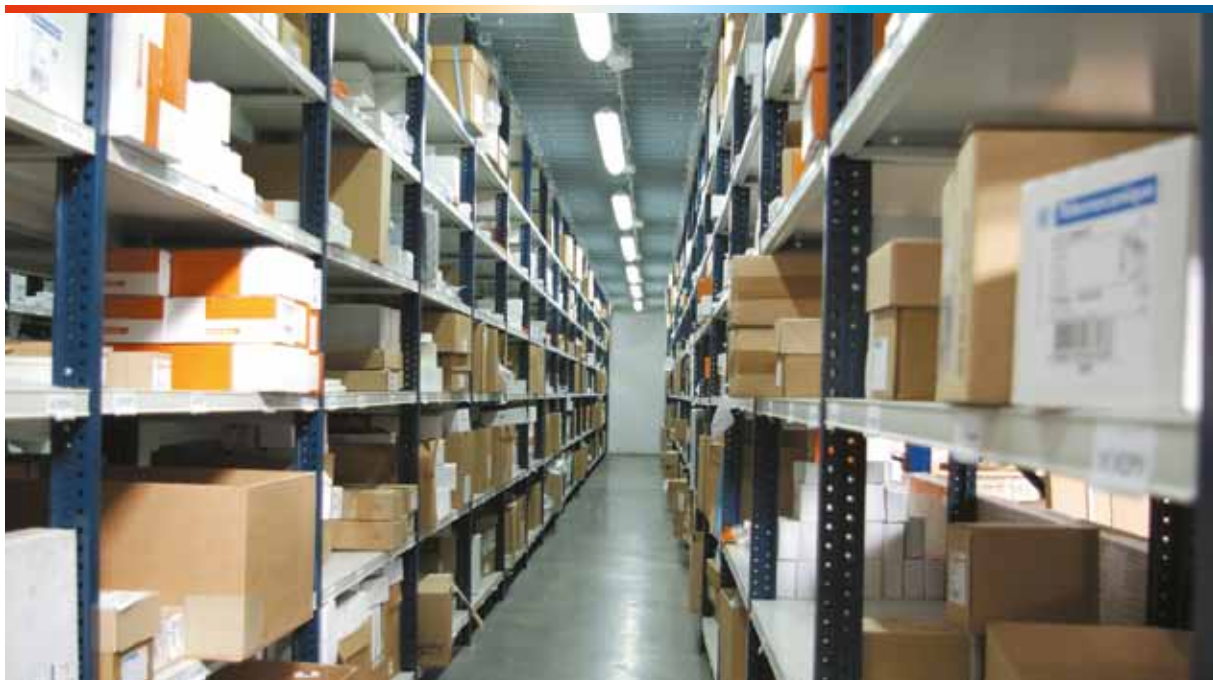
- > Low ambient temperature control to ensure cooling operation down to -10°C outdoor temperature (All-season).

MAIN ACCESSORIES

- > Synthetic air filter.
- > Electric heater.
- > Programmable controller RCW2 to control up to 15 units with independent set points and programming.

PRODUCT ADVANTAGES

- > Weather resistant casing with external panels coated with powder-based epoxy paint colour RAL 9001.
- > Indoor centrifugal fan units for duct network connection.
- > High static pressure available.
- > Multi-position architecture for horizontal or vertical mounting (acc. to models).
- > Compact, top discharge outdoor fan units.
- > Low noise axial fan.
- > Scroll compressor with crankcase heater.
- > Electrical, refrigeration and thermal protection devices.
- > Phase controller.
- > External HP and LP pressure taps.
- > Frame and air filter supplied.



[TECHNICAL DATA]

Indoor units			DK-V 125	DK 155	DK 185	DK 205	DK 255	DK 305
Outdoor units	Cool only		DN 125	DN 155	DN 185	DN 205	DN 255	DN 305
	Reversible		DN 125RC	DN 155RC	DN 185RC	DN 205RC	DN 255RC	DN 305RC
PRODUCT CODES								
Indoor units	Small ventilation	Code	7SP051152	7SP051154	7SP051069	7SP051141	7SP051142	7SP051143
	High ventilation	Code	-	-	-	-	-	7SP051147
Outdoor units - Cool only	Standard	Code	7SP111061	7SP111054	7SP111055	7SP112013	7SP112014	7SP112015
	With all-season control	Code	7SP111081	7SP111082	7SP111080	7SP112082	7SP112083	7SP112084
Outdoor units - Reversible	Standard	Code	7SP111062	7SP111056	7SP111057	7SP112019	7SP112020	7SP112021
	With all-season control	Code	7SP111079	7SP111083	7SP111084	7SP112088	7SP112089	7SP112090
CAPACITIES								
Cooling	Cooling capacity	kW	12.1	14.5	17.5	19.1	21.0	28.5
	Power input	kW	4.9	5.8	6.9	7.3	8.6	11.5
	EER		2.4	2.5	2.5	2.6	2.4	2.5
Heating	Heating capacity	kW	12.4	15.7	18	18.3	21	27.3
	Power input	kW	4.8	5.8	6.4	6.7	7	9.3
	COP		2.7	2.7	2.7	3	2.9	2.7
INDOOR UNIT								
Ventilation	Available static pressure	Pa	180	130	200	210	210	190
	Nominal Airflow	m³/h	2100	2850	3500	4500	4680	5760
	Airflow range (min/max)	m³/h	1600/2400	2300/3100	2800/3900	3600/5000	3800/5100	4600/6300
Sound Levels	Sound power level	dB(A)	69	73	75	84	84	78
Dimensions	WxHxD	mm	1050x350x972	1350x340x745	1350x400x745	1352x400x1060	1692x400x1060	1690x676x1005
	Mounting	H/V	H/V	H	H	H	H	H
Weight	Unit weight	kg	69	65	98	98	100	150
OUTDOOR UNIT								
Ventilation	Number of fan		1	1	1	1	1	1
	Nominal Airflow	m³/h	5400	9000	9000	9000	9000	9000
Sound Levels	Sound power level	dB(A)	82	82	79	78	78	86
Dimensions	WxHxD	mm	746x909x746	900x1060x800	900x1060x800	900x1060x800	900x1060x800	1003x1094x1003
Weight	Unit weight	kg	140	150	164	164	164	187
Power Supply	Power supply		400V/3P/50 Hz					
	Power supply side		Outdoor					
Pipe Line	Suction pipe diameter < 20m	pouces	3/4"	7/8"	7/8"	1-1/8"	1-1/8"	7/8"
	Suction pipe diameter > 20m	pouces	3/4"	3/4"	3/4"	1-1/8"	1-1/8"	1-1/8"
	Liquid pipe diameter < 20m	pouces	1/2"	1/2"	5/8"	1/2"	1/2"	5/8"
	Liquid pipe diameter > 20m	pouces	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"
	Max lenght	m	50	50	50	30	30	30
	Max height	m	50	50	50	15	15	15
ACCESSORIES								
Electric heater	kW		9	10.5	12	12	18	18
	Code		7ACEL1208	7ACEL1209	7ACEL1184	7ACEL1186	7ACEL1189	7ACEL1176
Remote control RCW2	Code	7ACEL1212						
Air filter	Code	7ACVF0077	7ACVF0078	7ACVF0124	7ACVF0124	7ACVF0124	7ACVF0125	

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Indoor units			DK 405	DK 505	DK 605	DK 755	DK 905
Outdoor units	Cool only		DN 405	DN 505	DN 605	DN 755	DN 905
	Reversible		DN 405RC	DN 505RC	DN 605RC	DN 755RC	DN 905RC
PRODUCT CODES							
Indoor units	Small ventilation	Code	7SP051144	7SP051145	7SP051146	7SP051122	7SP051123
	High ventilation	Code	7SP051148	7SP051149	7SP051150	-	-
Outdoor units - Cool only	Standard	Code	7SP112016	7SP112017	7SP112018	7SP112137	7SP112146
	With all-season control	Code	7SP112085	7SP112086	7SP112087	Included	Included
Outdoor units - Reversible	Standard	Code	7SP112022	7SP112023	7SP112024	7SP112138	7SP112147
	With all-season control	Code	7SP112091	7SP112092	7SP112093	Included	Included
CAPACITIES							
Cooling	Cooling capacity	kW	37.5	44.0	56.0	69.1	83.0
	Power input	kW	14.4	16.7	22.5	26.9	33.0
	EER		2.6	2.6	2.5	2.6	2.5
Heating	Heating capacity	kW	36.5	42.0	57.5	71.0	83.8
	Power input	kW	11.9	14.4	22.9	26.4	32.4
	COP		2.9	2.5	2.7	2.6	2.5
INDOOR UNIT							
Ventilation	Available static pressure	Pa	180	520	320	330	460
	Nominal Airflow	m³/h	7560	9360	9720	12000	14300
	Airflow range (min/max)	m³/h	6000/8200	7500/10300	7780/11000	9600/13200	11440/15730
Sound Levels	Sound power level	dB(A)	83	84	85	87	87
Dimensions	WxHxD	mm	1690x676x1078	2100x703x1078	2100x703x1078	2208x795x949	2208x945x949
	Mounting	H/V	H	H	H	H	H
Weight	Unit weight	kg	160	205	209	266	282
OUTDOOR UNIT							
Ventilation	Number of fan		2	2	2	2	2
	Nominal Airflow	m³/h	2x9000	2x9000	2x9000	2x16000	2x16000
Sound Levels	Sound power level	dB(A)	87	86	86	87	87
Dimensions	WxHxD	mm	1708x972x1123	1708x1171x1123	1708x1171x1123	2213x1309x1345	2213x1459x1345
Weight	Unit weight	kg	317	378	405	559	592
Power Supply	Power supply		400V/3P/50 Hz				
	Power supply side		Outdoor				
Pipe Line	Suction pipe diameter < 20m	inches	7/8"	7/8"	1-1/8"	1-1/8"	1-3/8"
	Suction pipe diameter > 20m	inches	7/8"	7/8"	1-1/8"	1-3/8"	1-3/8"
	Liquid pipe diameter < 20m	inches	1/2"	1/2"	1/2"	5/8"	5/8"
	Liquid pipe diameter > 20m	inches	5/8"	5/8"	5/8"	5/8"	5/8"
	Max lenght	m	30	30	30	30	30
	Max height	m	15	15	15	15	15
ACCESSORIES							
Electric heater	kW		21	30	30	30	30
	Code		7ACEL1177	7ACEL1178	7ACEL1178	7ACEL1340	7ACEL1340
Remote control RCW2	Code		7ACEL1212				
Air filter	Code		7ACVF0125	7ACVF0126	7ACVF0126	-	-