

MULTI DAKOTA RANGE DUO / TRIO DC INVERTER

MULTISPLITS

2 Heat Pump models
From 4,5 kW to 6,6 kW

PRODUCT ADVANTAGES



- Compact outdoor units.
- Class A energy label.
- Heating mode operation down to outdoor temperatures of -15° C.
- DUO DAKOTA DCI - Combinations 7-7 / 7-9 / 7-12 / 9-9 & 9-12.
- TRIO DAKOTA DCI - Combinations 7-7-7 / 7-7-9 / 7-7-12 / 7-9-9 / 7-9-12 / 9-9-9 / 9-9-12 / 7-7 / 9-9 / 12-12.
- Outdoor units compatible with WDI/HAD/HFD.
- R410A "green" fluid.
- DC Inverter Scroll compressor (TRIO DAKOTA DCI).
- Set temperature point reached rapidly.
- Silent running.
- Variable cooling and heating capacity from 30% to 115% (of rated capacity).

OUTDOOR UNIT
DUO DAKOTA DCI



OUTDOOR UNIT
TRIO DAKOTA DCI



			AWSI-HAD007-N11	AWSI-HAD009-N11	AWSI-HAD012-N11
 HAD	Cooling Capacity	kW	2,2	2,5	3,5
	Heating Capacity	kW	2,2	2,5	3,5
	Air flow ²	m ³ /h	97/97	117/117	153/153
	Acoustic pressure to 1m ¹	dB(A)	27/32/37	29/35/40	28/34/40
	Weight	kg	7	7	8
	Dimensions (WxDxH)	mm	680x188x250	680x188x250	840x188x250
	Part number		7SP022785	7SP022786	7SP022787
	Price	€			
 HFD	Cooling Capacity	kW	2,2	2,5	3,5
	Heating Capacity	kW	2,2	2,5	3,5
	Air flow ²	m ³ /h	97/97	117/117	153/153
	Acoustic pressure to 1m ¹	dB(A)	28/31/36	32/35/39	29/33/39
	Weight	kg	7	7	8
	Dimensions (WxDxH)	mm	680x185x250	680x185x250	840x185x250
	Part number		7SP022794	7SP022795	7SP022796
	Price	€			

¹Data are relative to Low speed, Medium speed and High speed
²Cooling/Heating

Accessories

DUO 38 DCI

TRIO 52 DCI

Mounting bracket	7ACTL0016	€	-
	7ACTL0018	€	-



DUO 38 DCI
TRIO 52 DCI



DC INVERTER



MULTI DAKOTA DUO / TRIO DCI

		DUO 38 DCI			TRIO 52 DCI			
Cooling	Capacity	kW	3,9 (1,5-5,5)			5,2 (1,0-6,5)		
	Power input	kW	1,14			1,60		
	EER/Energy Label		3,42 / A			3,25 / A		
	Operating limits	°C	-10° / 46° Dry Bulb			-10° / 46° Dry Bulb		
Heating	Capacity	kW	4,5 (1,2-6,2)			6,8 (1,0-7,3)		
	Power input	kW	1,24			1,75		
	COP/Energy Label		3,62 / A			3,89 / A		
	Operating limits	°C	-15° / 24° Dry Bulb			-15° / 24° Dry Bulb		
Outdoor unit	Sound pressure level 1 mt	dB(A)	53			56		
	Sound power level	dB(A)	63			67		
	Airflow	m ³ /h	2160			2860		
	Compressor type		Rotary DC Inverter			Scroll DC Inverter		
	Dimensions (WxDxH)	mm	795x290x610			846x302x690		
Power supply 1-230V - 50 Hz	Weight	kg	38			48		
	Part number		7SP091141			7SP091142		
Power supply 1-230V - 50Hz	Price	€						
	Power supply side		Outdoor			Outdoor		
	Power cable section	mm ²	3x2,5			3x2,5		
	Fuse rating	A	16			20		
	Electrical connections	mm ²	2 x (4x1,5)			3 x (4x1,5)		
Pipe line	Suction pipe diameter	inches	2 x 3/8"			3 x 3/8"		
	Liquid pipe diameter	inches	2 x 1/4"			3 x 1/4"		
	Max lenght	m	30			35		
	Max height per circuit	m	25			25		
	Max height between indoor and outdoor units	m	10			15		
	Max height between indoor units	m	5			5		

DUO 38 DCI Indoor units combinations	COOLING									HEATING												
	Capacity (kW)						Power input (kW)			Capacity (kW)						Power input (kW)						
	A	B	C	D	Total	Min	Max	Nom.	Min	Max	A	B	C	D	Total	Min	Max	Nom.	Min	Max		
7	2.20			2.20			1.50	2.60	675	450	850	2.50			2.50			1.20	3.10	750	450	1000
9	2.50			2.50			1.50	3.00	750	450	980	2.80			2.80			1.20	3.50	910	450	1220
12	3.50			3.50			1.50	4.10	1030	450	1250	3.60			3.60			1.20	4.10	1030	450	1150
7 + 7	1.85	1.85	3.70			1.50	4.70	1080	450	1800	2.15	2.15	4.30			1.20	5.20	1210	450	1800		
7 + 9	1.85	1.85	3.80			1.50	4.80	1100	450	1800	2.15	2.25	4.40			1.20	5.30	1240	450	1800		
7 + 12	1.85	3.05	4.90			1.50	5.20	1660	450	1800	2.15	3.25	5.40			1.20	5.90	1560	450	1800		
9 + 9	1.95	1.95	3.90			1.50	5.50	1100	450	1800	2.25	2.25	4.50			1.20	6.20	1240	450	1800		
9 + 12	1.95	3.05	5.00			1.50	5.50	1700	450	1800	2.25	3.25	5.50			1.20	6.20	1600	450	1800		

TRIO 52 DCI Indoor units combinations	COOLING									HEATING												
	Capacity (kW)						Power input (kW)			Capacity (kW)						Power input (kW)						
	A	B	C	D	Total	Min	Max	Nom.	Min	Max	A	B	C	D	Total	Min	Max	Nom.	Min	Max		
7	2.20			2.20			1.05	2.60	645	450	750	2.60			2.60			1.20	3.00	708	450	800
9	2.50			2.50			1.10	3.50	740	510	1040	3.00			3.00			1.20	3.50	795	450	920
12	3.50			3.50			1.20	4.20	1020	510	1250	4.20			4.20			1.20	4.50	1080	510	1160
7 + 7	2.00	2.00	4.00			1.40	5.10	1170	520	1500	2.50	2.50	5.00			1.60	6.00	1280	460	1560		
7 + 9	2.00	2.15	4.15			1.45	5.20	1220	530	1530	2.50	2.65	5.15			1.60	6.15	1300	450	1560		
7 + 12	2.00	3.00	5.00			1.72	6.20	1450	610	1910	2.50	3.35	5.85			2.00	7.10	1420	510	1920		
9 + 9	2.15	2.15	4.30			1.71	6.20	1250	610	1910	2.65	2.65	5.30			1.80	6.50	1350	460	1600		
9 + 12	2.15	3.00	5.15			1.71	6.28	1510	600	1930	2.65	3.35	6.00			2.00	7.10	1450	510	1920		
12 + 12	3.00	3.00	6.00			1.80	6.40	1720	635	2110	3.35	3.35	6.70			2.10	7.15	1700	515	1930		
7 + 7 + 7	1.70	1.70	1.70	5.10			1.86	6.42	1500	636	2000	2.10	2.10	2.10	6.30			2.10	7.22	1665	525	1980
7 + 7 + 9	1.70	1.70	1.73	5.13			1.87	6.42	1510	636	2000	2.10	2.10	2.20	6.40			2.10	7.25	1670	525	1980
7 + 7 + 12	1.70	1.70	2.60	6.00			1.87	6.45	1720	0635	2110	2.10	2.10	3.02	7.22			2.12	7.26	1870	530	2000
7 + 9 + 9	1.70	1.73	1.73	5.16			1.87	6.45	1500	635	2110	2.10	2.20	2.20	6.50			2.12	7.26	1660	635	2000
7 + 9 + 12	1.70	1.73	2.60	6.03			1.88	6.45	1730	640	2115	2.10	2.20	3.02	7.32			2.13	7.56	1660	640	2105
9 + 9 + 9	1.73	1.73	1.74	5.20			1.86	6.44	1550	640	2020	2.20	2.20	2.20	6.60			2.12	7.26	1800	640	2000
9 + 9 + 12	1.73	1.73	2.60	6.06			1.88	6.50	1740	640	2130	2.20	2.20	3.02	7.42			2.20	7.60	1910	640	2110