

LIBERTY MULTISPLIT 5x1



VERSATILITY AND SPACE SAVING

The Daitsu Liberty multisplit system allows you to air condition your home or office **with up to 5 indoor units** with one single outdoor unit, saving space and installation costs.

A **versatile unit** with a wide range of indoor units in different formats to best suit the needs of the customer: **wall, ducted, cassette, floor-ceiling and floor.**

The Liberty range provides greater temperature control obtaining **maximum comfort** and saving thanks to its high energy rating.

The Wi-Fi accessory in the wall-mounted machines enables you to adjust and program the temperature from anywhere, by means of any device via the EWPE Smart application, with which you can control your air conditioning from anywhere.



Wi-Fi control

The indoor wall-mounted unit can be controlled from any location via Smartphone or Tablet using the **EWPE Smart.***



Liberty outdoor units

Model		AD14KDB	AD18KDB	AD21KDB	AD28KDB
Code		3NDA02035	3NDA02036	3NDA02008	3NDA02013
Multisplit systems		2x1	2x1	3x1	4x1
Cooling power	kcal/h / W	3525 (1762 - 3774) / 4100 (2050 - 4390)	4472 (1840 - 4988) / 5200 (2140 - 5800)	5245 (1891 - 6294) / 6100 (2200 - 7320)	6678 (1960 - 8813) / 8000 (2280 - 10250)
Heating power	kcal/h / W	3789 (2141 - 4660) / 4400 (2490 - 5420)	4643 (2209 - 4737) / 5400 (2570 - 5510)	5589 (3095 - 3009) / 6500 (3600 - 8500)	7996 (3147 - 8813) / 9300 (3660 - 10250)
Electricity consumption cold / heat	kW	4.10 / 4.40	1.45 / 1.3	1.74 / 1.6	2.3 / 2.65
SEER / SCOP		6.10 / 4.00	6.30 / 4.00	6.10 / 4.00	6.10 / 4.00
Energy class Cold / Heat		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Absorbed intensity Cold / Heat	A	5.32 / 4.53	6.43 / 5.77	7.72 / 7.1	10.2 / 11.76
Supply cable	no. x s	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T
Link cable	no. x s	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T
Water flow rate	m³/h	2,600	2600	3200	4000
Operating range Cold / Heat	°C	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -20 ~ +24	-15 ~ +43 / -20 ~ +24
Sound pressure	dB (A)	55	55	58	58
Pipe diameter - Liquid / Gas	Inches	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"
Max. distance Total / Vertical	m	20 / 5	20 / 5	60 / 10	70 / 10
Refrigerant	Type	R32	R32	R32	R32
Refrigerant load	kg (CO ₂ eq-T)	1.40 (0.71)	1.05 (0.71)	1.6 (1.08)	2.00 (1.35)
Preload distance	m	10	10	30	40
Additional load	g/m	20	20	20	20
Coefficient of simultaneity	%	50 ~150	50 ~150	50 ~150	50 ~150
Height/Width/Depth Dimensions	mm	596 / 899 / 378	596 / 899 / 378	700 / 955 / 396	790 / 980 / 427
Net weight	kg	43	43	55	69



Liberty PRO outdoor units

Model		DOSF14KDB	DOSF18KDB	DOSF21KDB	DOSF24KDB	DOSF28KDB	AD36KDB	AD42KDB
Code		3NDA02075	3NDA02076	3NDA02077	3NDA02078	3NDA02079	3NDA02014	3NDA02018
Multisplit systems		2x1	2x1	3x1	3x1	4x1	4x1	5x1
Cooling power	kcal/h / W	3525 (1762 - 3774) / 4100 (2050-4390)	4557 (1762 - 4987) / 5300 (2140 - 5800)	5245 (1891 - 6294) / 6100 (2200 - 7320)	6105 (1960 - 7300) / 7100 (2280 - 8490)	6678 (1960 - 8813) / 8000 (2280 - 10250)	9028 (2236 - 10318) / 10500 (2600 - 12000)	10318 (2236 - 11178) / 12000 (2600 - 13000)
Heating power	kcal/h / W	3789 (2141 - 4660) / 4400 (2490 - 5420)	4780 (2209 - 4737) / 5650 (2570 - 5510)	5589 (3095 - 3009) / 6500 (3600 - 8500)	7395 (3147 - 7558) / 8600 (3660 - 8790)	8168 (3147 - 7558) / 9500 (3660 - 10250)	10318 (2236 - 11607) / 12000 (2600 - 13500)	11178 (2236 - 12468) / 13000 (2600 - 14500)
Electricity consumption cold / heat	kW	1.01 / 0.97	1.48 / 1.25	1.48 / 1.43	1.88 / 2.23	2.12 / 2.20	3.1 / 3.2	3.45 / 3.5
EER / COP		3.72 / 4.54	3.58 / 4.53	4.12 / 4.56	3.77 / 3.86	3.77 / 4.31		
SEER / SCOP		7.20 / 4.20	7.20 / 4.20	7.80 / 4.30	7.10 / 4.30	7.20 / 4.20	6.10 / 4.00	6.10 / 4.00
Energy class Cold / Heat		A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Absorbed intensity Cold / Heat	A	4.88 / 4.44	6.56 / 5.55	6.57 / 6.33	8.35 / 9.89	9.41 / 9.77	14 / 13	16 / 15
Supply cable	no. x s	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T	(U.E) 2 x 2.5 + T
Link cable	no. x s	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T
Water flow rate	m³/h	2300	2300	3800	3800	3800	7200	7200
Operating range Cold / Heat	°C	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -22 ~ +24	-15 ~ +43 / -20 ~ +24	-15 ~ +43 / -20 ~ +24
Sound pressure	dB (A)	50	50	57	57	58	60	60
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4" - 3/8"	1/4" - 3/8"
Max. distance Total / Vertical	m	40 / 15	40 / 15	60 / 15	60 / 15	70 / 15	75 / 7.5	75 / 7.5
Refrigerant	Type	R32	R32	R32	R32	R32	R32	R32
Refrigerant load	kg (CO ₂ eq-T)	0.75 (1.947)	0.9 (0.61)	1.6 (1.08)	1.7 (1.14)	1.8 (1.21)	2.75 (1.86)	2.75 (1.85)
Preload distance	m	10	10	30	30	40	40	40
Additional load	gr/m	20	20	20	20	20	20	20
Coefficient of simultaneity	%	50 ~150	50 ~150	50 ~150	50 ~150	50 ~150	50 ~150	50 ~150
Height/Width/Depth Dimensions	mm	550 / 822 / 352	550 / 822 / 352	660 / 964 / 402	660 / 964 / 402	660 / 964 / 402	1103 / 1088 / 440	1103 / 1088 / 440
Net weight	kg	30	32	47.5	47.5	51	94	90

Liberty Wall-Mounted



Model		ASD09K	ASD12K	ASD18K	ASD21K
Code		3NDA02023	3NDA02024	3NDA02028	3NDA02029
Cooling power	kcal/h / W	2150 (439 - 2880) / 2500 (500 - 3350)	2751 (516 - 3095) / 3200 (600 - 3600)	3955 (559 - 4471) / 4600 (650 - 5200)	5331 (1547 - 5503) / 6200 (1800 - 6400)
Heating power	kcal/h / W	2408 (430 - 3009) / 2800 (500 - 3500)	3009 (516 - 3267) / 3500 (600 - 3800)	4471 (602 - 4643) / 5200 (700 - 5400)	5588 (1375 - 5588) / 6500 (1600 - 6600)
Absorbed power Cold / Heat	kW	0.80 / 0.75	1.08 / 0.99	1.58 / 1.42	1.76 / 1.86
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Absorbed intensity	A	6.3	7.2	10.8	10.9
Link cable	no. x s	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T
Flow rate A / M / B	m³/h	550 / - / 300	550 / - / 300	850 / - / 520	850 / - / 520
Sound pressure A / M / B / SB	dB (A)	39 / - / 28 / -	41 / - / 25 / -	48 / - / 34 / -	48 / - / 34 / -
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 5/8
Refrigerant	Type	R32	R32	R32	R32
Height/Width/Depth Dimensions	mm	250 / 773 / 185	250 / 773 / 185	300 / 970 / 225	300 / 970 / 225
Net weight	kg	9	9	13.5	13.5

Liberty slim wall-mounted



Model		ASD09K	ASD12K	ASD18K	ASD21K
Code		3NDA02096	3NDA02097	3NDA02098	3NDA02099
Cooling power	kcal/h / W	2150 (430 - 2881) / 2500 (500 - 3250)	2752 (774 - 3095) / 3200 (900 - 3600)	3955 (860 - 4557) / 4600 (1000 - 5300)	5331 (1517 - 5933) / 6200 (1800 - 6900)
Heating power	kcal/h / W	2408 (430 - 3010) / 2800 (500 - 3500)	2924 (516 - 3439) / 3400 (900 - 4000)	4471 (860 - 4858) / 5200 (1000 - 5650)	5589 (1118 - 6044) / 6500 (1300 - 7030)
Absorbed power Cold / Heat	kW	0.72 / 0.75	1.00 / 0.92	1.36 / 1.34	1.83 / 1.91
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Absorbed intensity	A	3.2	4.4	5.9	7.6
Link cable	no. x s	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T
Flow rate A / M / B	m³/h	500 / 390 / 250	590 / 400 / 280	850 / 700 / 550	850 / 610 / 520
Sound pressure A / M / B / SB	dB (A)	38 / 36 / 32 / 22	41 / 37 / 33 / 26	44 / 42 / 38 / 31	48 / 42 / 32 / 26
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2
Refrigerant	Type	R32	R32	R32	R32
Height/Width/Depth Dimensions	mm	250 / 773 / 185	250 / 773 / 185	300 / 970 / 225	300 / 970 / 225
Net weight	kg	8.5	8.5	13.5	13

Liberty Ducted Units



Model		DCFBP09K	DCFBP12K	DCFBP18K	DCFBP24K
Code		3NDA02092	3NDA02093	3NDA02094	3NDA02095
Cooling power	kcal/h / W	2279 / 2650	3010 / 3500	4299 / 5000	6019 / 7000
Heating power	kcal/h / W	2408 / 2800	3439 / 4000	4729 / 5000	6879 / 7000
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Link cable	no. x s	3 × 2.5 + T	3 × 2.5 + T	3 × 2.5 + T	3 × 2.5 + T
Flow rate A / M / B	m³/h	700 / 610 / 520	650 / 480 / 380	880 / 790 / 730	1500 / 1000 / 900
Nominal static pressure - Min/Max	Pa	25 / 60	25 / 60	25 / 60	25 / 125
Sound pressure A / M / B	dB (A)	41 / 37 / 34	39 / 35 / 32	57 / 54 / 50	62 / 55 / 53
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	1/4 / 5/8
Refrigerant	Type	R32	R32	R32	R32
Height/Width/Depth Dimensions	mm	200 / 710 / 450	200 / 710 / 450	200 / 1010 / 450	260 / 900 / 655
Net weight	kg	18.5	19	25	31

Liberty Cassette



Model		DUF12K	DUF18K	DUF24K
Code		3NDA02080	3NDA02085	3NDA02090
Cooling power	kcal/h / W	3010 / 3500	4299 / 5000	6019 / 7000
Heating power	kcal/h / W	3439 / 4000	4729 / 5500	6879 / 8000
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Link cable	no. x s	3 × 2.5 + T	3 × 2.5 + T	3 × 2.5 + T
Sound pressure A / M / B	dB (A)	41 / 34 / 28	43 / 34 / 28	44 / 40 / 39
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 1/2	1/4 / 5/8
Refrigerant	Type	R32	R32	R32
Height/Width/Depth Dimensions	mm	265 / 570 / 570	265 / 570 / 570	240 / 840 / 840
Height/Width/Depth Panel Dimensions	mm	475 / 620 / 620	475 / 620 / 620	520 / 950 / 950
Net weight	kg	17	17	29

Liberty Floor-Ceiling



Model		ABD09K	ABD12K	ABD18K	ABD24K
Code		3NDA02055	3NDA02056	3NDA02057	3NDA02058
Cooling power	kcal/h / W	2235 / 2600	3009 / 3500	3869 / 4500	6105 / 7100
Heating power	kcal/h / W	2321 / 2700	3439 / 4000	4729 / 5500	6878 / 8000
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Link cable	no. x s	3 × 2.5 + T	3 × 2.5 + T	3 × 2.5 + T	3 × 2.5 + T
Air flow rate A / M / B / SB	m³/h	700 / 610 / 540 / 420	700 / 610 / 540 / 420	680 / 590 / 520 / 410	950 / 870 / 800 / 720
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2	3/8 / 5/8
Refrigerant	Type	R32	R32	R32	R32
Sound pressure A / M / B	dB (A)	35 / 30 / 26	35 / 30 / 26	35 / 30 / 26	35 / 30 / 26
Height/Width/Depth Dimensions	mm	556 / 870 / 235	665 / 870 / 235	665 / 870 / 235	235 / 1200 / 235
Net weight	kg	25	25	25.5	33

Liberty Floor



Model		AGD09K2	AGD12K2	AGD18K2
Code		3NDA02062	3NDA02063	3NDA02064
Cooling power	kcal/h / W	2321 / 2700	3009 / 3500	4471 / 5200
Heating power	kcal/h / W	2494 / 2900	3267 / 3800	4557 / 5300
Power supply	V / no. / Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50
Link cable	no. x s	3 x 2.5 + T	3 x 2.5 + T	3 x 2.5 + T
Flow rate A / M / B	m³/h	430 / 370 / 280	520 / 440 / 360	650 / 520 / 410
Sound pressure A / M / B / SB	dB (A)	36 / 31 / 26 / 23	40 / 36 / 29 / 25	45 / 41 / 37 / 32
Pipe diameter - Liquid / Gas	Inches	1/4 / 3/8	1/4 / 3/8	1/4 / 1/2
Refrigerant	Type	R32	R32	R32
Height/Width/Depth Dimensions	mm	600 / 700 / 215	600 / 700 / 215	600 / 700 / 215
Net weight	kg	15.5	15.5	15.5

Liberty Multisplit Accessories

				WALL	DUCTED	CASSETTE	FLOOR-CEILING	FLOOR
3NDA9064	ACCD_WM6	Datsu 9-12 Wi-Fi Interface		○				
3NDA9063	ACCD_WM7	Datsu 18-24 Wi-Fi Interface		○				
3NDA9049	ACCD_WC2	Cable control			●	○	○	
3NDA9057	ACCD_WC3	Premium cable control			○	○	○	○
3NDA9042	ACCD_CC1	Centralized control			○	○	○	○
3NDA9050	ACCD_CC2	Centralized control			○	○	○	○
3NDA9051	ACCD_IC1	Wireless control			○	●	●	
3NDA9066	ACCD_CC2	Centralised connection cable (20ud)***			○	○	○	
3NDA90013	ACCD_GT2	Modbus Bacnet Converter **			○	○	○	

* To operate, the indoor units must be equipped with the 3NDA9049 or 3NDA9057 wired control.

*For the centralised controls to work, the units must be equipped with the 3NDA9057 premium wired control.

** Necessary for the centralised control 3NDA9042 and 3NDA9050 to work.

● Included ○ Optional

Liberty Multisplit Combinations							
	2 indoor units		3 indoor units		4 indoor units		5 indoor units
Outdoor unit AD 14KDB	9 + 9						
	9 + 12						
Outdoor unit AD 18KDB	9 + 9						
	9 + 12						
	12 + 12						
Outdoor unit AD 21KDB	9 + 9	12 + 12	9 + 9 + 9				
	9 + 12	12 + 18	9 + 9 + 12				
	9 + 18						
Outdoor unit AD 24KDB	9 + 9	12 + 12	9 + 9 + 9	9 + 12 + 12			
	9 + 12	12 + 18	9 + 9 + 12	12 + 12 + 12			
	9 + 18	18 + 18	9 + 9 + 18				
Outdoor unit AD 28KDB	9 + 9	12 + 12	9 + 9 + 9	9 + 12 + 12	9 + 9 + 9 + 9		
	9 + 12	12 + 18	9 + 9 + 12	12 + 12 + 12	9 + 9 + 9 + 12		
	9 + 18	18 + 18	9 + 9 + 18	12 + 12 + 18	9 + 9 + 12 + 12		
Outdoor unit AD 36KDB	9 + 9	12 + 24	9 + 9 + 9	9 + 18 + 24	9 + 9 + 9 + 9	9 + 9 + 12 + 24	
	9 + 12	18 + 18	9 + 9 + 12	9 + 21 + 21	9 + 9 + 9 + 12	9 + 9 + 18 + 18	
	9 + 18	18 + 21	9 + 9 + 18	9 + 21 + 24	9 + 9 + 12 + 12	9 + 12 + 12 + 12	
	9 + 21	18 + 24	9 + 9 + 21	12 + 12 + 18	9 + 9 + 12 + 21	9 + 12 + 12 + 18	
	9 + 24	21 + 21	9 + 9 + 24	12 + 12 + 21	9 + 9 + 12 + 24	9 + 12 + 12 + 21	
	12 + 12	21 + 24	9 + 12 + 12	12 + 12 + 24	9 + 9 + 12 + 12	12 + 12 + 12 + 12	
	12 + 18	24 + 24	9 + 12 + 18	12 + 18 + 18	9 + 9 + 12 + 18	12 + 12 + 12 + 18	
	12 + 21		9 + 12 + 21	12 + 18 + 21	9 + 9 + 12 + 21		
			9 + 12 + 24	12 + 18 + 24			
			9 + 18 + 18		12 + 21 + 21		
			9 + 18 + 21	18 + 18 + 18			
	Outdoor unit AD 42KDB	9 + 12		9 + 9 + 9	12 + 12 + 18	9 + 9 + 9 + 9	9 + 12 + 12 + 18
9 + 18		9 + 9 + 12	12 + 12 + 21	9 + 9 + 9 + 12	9 + 12 + 12 + 18	9 + 9 + 9 + 9 + 12	
9 + 21		9 + 9 + 18	12 + 12 + 24	9 + 9 + 9 + 18	9 + 12 + 12 + 21	9 + 9 + 9 + 9 + 18	
9 + 24		9 + 9 + 21	12 + 18 + 18	9 + 9 + 9 + 21	9 + 12 + 12 + 24	9 + 9 + 9 + 9 + 21	
12 + 12		9 + 9 + 24	12 + 18 + 21	9 + 9 + 9 + 24	9 + 12 + 18 + 18	9 + 9 + 9 + 9 + 24	
12 + 18		9 + 12 + 12	12 + 18 + 24	9 + 9 + 12 + 12	9 + 12 + 18 + 21	9 + 9 + 9 + 12 + 12	
12 + 21		9 + 12 + 18	12 + 21 + 21	9 + 9 + 12 + 18	9 + 12 + 18 + 24	9 + 9 + 9 + 12 + 18	
12 + 24		9 + 12 + 21	12 + 21 + 24	9 + 9 + 12 + 21	9 + 12 + 21 + 21	9 + 9 + 9 + 12 + 21	
18 + 18		9 + 12 + 24	12 + 24 + 24	9 + 9 + 12 + 24	9 + 18 + 18 + 18	9 + 9 + 9 + 12 + 24	
18 + 21		9 + 18 + 18	18 + 18 + 18	9 + 9 + 18 + 18	12 + 12 + 12 + 12	9 + 9 + 9 + 18 + 18	
18 + 24		9 + 18 + 21	18 + 18 + 21	9 + 9 + 18 + 21	12 + 12 + 12 + 18	9 + 9 + 12 + 12 + 12	
21 + 21		9 + 18 + 24	18 + 18 + 24	9 + 9 + 18 + 24	12 + 12 + 12 + 21	9 + 9 + 12 + 12 + 18	
21 + 24		9 + 21 + 21	18 + 18 + 21	9 + 9 + 21 + 21	12 + 12 + 12 + 24	9 + 9 + 12 + 12 + 21	
24 + 24		9 + 21 + 24	18 + 21 + 21	9 + 9 + 21 + 24	12 + 12 + 18 + 18	9 + 12 + 12 + 12 + 12	
		9 + 24 + 24	18 + 21 + 24	9 + 12 + 12 + 12	12 + 12 + 18 + 21	9 + 12 + 12 + 12 + 18	
		12 + 12 + 12		21 + 21 + 21		12 + 12 + 12 + 12 + 12	