DUCT-TYPE SPLIT
KANJI Series

KLIMATSU

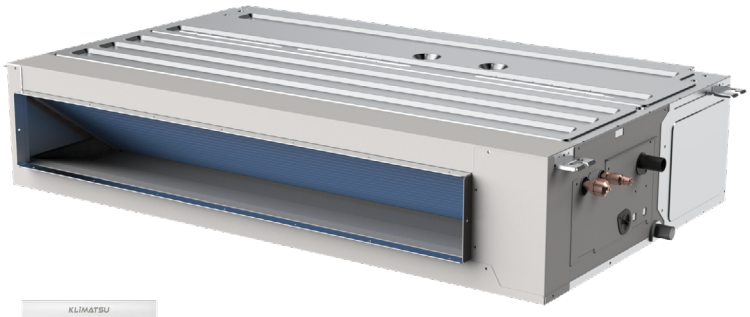
Your comfort, your efficiency, ... your KANJI

R32 Ecological gas

SEER A++

SCOP A+++

wifi INCLUDED



XK-120D1
Included
(CL90550)

AIRZONE COMPATIBLE

Condensate Pump
Head up to 1.2 m

Extra Flat
Only 200 mm high

Configurable Static Pressure
Up to 160 Pa

BMS Connectivity
The equipment features Modbus communication

WIFI Connectivity
Control the equipment from anywhere

Remote Signal
Features an ON/OFF input

Weekly Timer
Sets the weekly operation of the unit

"I FEEL" Function
The remote control features an ambient temperature sensor

Night Mode
Night temperature curve

Outside Air Inlet
Possibility of supplying outside air directly to the indoor unit

Configurable Return
Possibility to change the rear air inlet (by default) to an inferior air inlet

Filter Cleaning Reminder
Every 500h of operation, it reminds the need to clean the air filter ("CL")

Cold Air Prevention
Fan speed is adjusted in heating mode to avoid disturbing the user

Automatic Restart
Restores operation after a power failure

Automatic Mode
Cool/Heat with temperature adjustment

R32 Refrigerant Gas

Wide Operating Temperature Range

"Golden fin" Treatment

External Fan with Different Speeds

Super DC Inverter Technology

Refrigerant Leak Detection

Cooling at Low Outside Temperature

CONTROL YOUR EQUIPMENT FROM ANYWHERE

Thanks to the built-in wireless WiFi connectivity of the wall controller, you can control the air conditioner from anywhere.

Download the App

SmartLife-SmartHome

Google play

Available on the App Store

DUCT-TYPE SPLIT - KANJI Series

KLIMATSU

SPECIFICATIONS

Model				KDAR-35-H1	KDAR-51-H1	KDAR-71-H1
Set code				**CL81501**	**CL81502**	**CL81503**
EAN set code				8432953086237	8432953086244	8432953086251
Cooling	Nominal capacity (min.- max.)		kW	3.52 (0.60 ~ 4.00)	4.70 (0.62 ~ 5.10)	7.17 (2.20 ~ 7.95)
	Nominal consumption (min.- max.)		kW	1.087 (0.16 ~ 1.66)	1.52 (0.20 ~ 2.15)	2.12 (0.42 ~ 3.20)
	Pdesignc (design capacity)		kW	3.5	5.0	7.1
	SEER		W/W	6.5	6.1	6.8
	Energy Efficiency Class			A^{++}	A^{++}	A^{++}
	Annual electricity consumption		kWh/year	189	273	370
Heating	Nominal capacity (min.- max.)		kW	3.56 (0.60 ~ 4.10)	4.70 (0.76 ~ 5.32)	7.20 (2.23 ~ 9.15)
	Nominal consumption (min.- max.)		kW	0.94 (0.16 ~ 1.66)	1.43 (0.23 ~ 2.15)	1.86 (0.42 ~ 3.20)
	Mild climate zone	Pdesignh (design capacity)	kW	2.3	3.9	5.7
		SCOP	W/W	4.0	4.0	4.0
		Energy Efficiency Class		A^{+}	A^{+}	A^{+}
		Annual electricity consumption	kWh/year	805	1,365	2,001
		Tbiv (bivalent temperature)	ºC	-7	-7	-7
	Warm climate zone	Pdesignh (design capacity)	kW	2.7	3.9	6.6
		SCOP	W/W	5.1	5.1	5.1
		Energy Efficiency Class		A^{+++}	A^{+++}	A^{+++}
		Annual electricity consumption	kWh/year	775	1,152	1,826
		Tbiv (bivalent temperature)	ºC	2	2	2
	Cold climate zone	Pdesignh (design capacity)	kW	3.0	3.9	6.3
		SCOP	W/W	3.4	3.4	3.4
		Energy Efficiency Class		A	A	A
		Annual electricity consumption	kWh/year	1,853	2,409	2,656
		Tbiv (bivalent temperature)	ºC	-22	-22	-22
	Tol (operation limit temperature)		ºC	-15	-15	-15
Indoor unit	Model			KDAR-35-H1-I	KDAR-51-H1-I	KDAR-71-H1-I
	Code			UI81501	UI81502	UI81503
	EAN Code			8432953086015	8432953086022	8432953086039
	Air flow rate (Super / High / Medium / Low / Silence)	Cooling	m^3/h	600 / 510 / 420 / 320 / 320	850 / 720 / 620 / 500 / 400	1050 / 980 / 900 / 810 / 810
		Heating	m^3/h	600 / 510 / 420 / 320 / 320	850 / 720 / 620 / 500 / 400	1250 / 1160 / 1080 / 970 / 970
	Static pressure	Nominal	Pa	25	25	25
		Configurable	Pa	0 ~ 100	0 ~ 160	0 ~ 160
	Sound pressure (Super / High / Medium / Low / Silence)		dB(A)	43 / 41 / 39 / 37 / 34 / 30 / 27	46 / 43 / 40 / 38 / 36 / 32 / 28	42 / 40 / 38 / 35 / 35
	Sound power		dB(A)	55	56	52
	Drainage connection (OD)		mm	Ø25	Ø25	Ø25
	Condensate pump head height [1]		mm	1,200	1,200	1,200
	Fresh air intake [2]		mm	Ø92	Ø92	Ø90
	Dimensions (Width x Height x Depth)		mm	700 x 200 x 490	920 x 200 x 490	920 x 245 x 700
	Weight		kg	15	18	32
Outdoor unit	Model			KEAR-35-H1-E	KEAR-51-H1-E	KEAR-71-H1-E
	Code			UE81501	UE81502	UE81503
	EAN Code			8432953086169	8432953086176	8432953086183
	Air flow rate (High)		m^3/h	1,900	2,600	3,500
	Sound pressure (High)		dB(A)	52	55	58
	Sound power		dB(A)	62	65	68
	Drainage connection (ID)		mm	Ø21	Ø21	Ø21
	Compressor			GMCC KSN98D31UEZW31	SANYO C-4RZ120H3AAF	SANYO C-6RZ180H3BAF
	Expansion Type			Capillary	Capillary	Capillary + Valve Electronic
	Dimensions (Width x Height x Depth) [3]		mm	775 x 499 x 290	859 x 603 x 349	908 x 699 x 375
	Weight		kg	22	30	38.9
Refrigerant	Type / GWP			R32 / 675	R32 / 675	R32 / 675
	Charge		kg	0.53	0.96	1.35
	CO_2 equivalence		TCO_2eq	0.358	0.648	0.911
	Precharge until		m	5	5	5
	Additional charge (from 5 m)		g/m	15	15	25
Cooling pipes	Liquid		inches	1/4"	1/4"	3/8"
	Gas		inches	3/8"	3/8"	5/8"
	Max. length [4]		m	25	25	30
	Max. height difference		m	10	10	15
Electrical data [5]	Power supply		V / Hz / Ph	220-240~ / 50 / 1N	220-240~ / 50 / 1N	220-240~ / 50 / 1N
	Maximum consumption		kW	1.66	2.15	3.2
	Max. current		A	9	12	16
	Power cable (outdoor unit)		mm^2	2 x 1.5 + T	2 x 1.5 + T	2 x 2.5 + T
	Interconnection cable		mm^2	3 x 1.5 + T	3 x 1.5 + T	3 x 1.5 + T
Operating temperature	Indoor (Cooling / Heating)		ºC	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30
	Outdoor (Cooling / Heating)		ºC	-15 ~ 53 / -20 ~ 30	-15 ~ 53 / -20 ~ 30	-15 ~ 53 / -20 ~ 30

Notes:

[1] Pump height measured from the unit shaft. The elbow is set horizontally at 200 mm maximum.

[2] Inner diameter.

[3] Dimensions include protruding parts (valve cover, grids, handles, etc.). For detailed dimensions, please refer to the installation manual.

[4] Minimum piping length: 3 m.

[5] The electrical wiring sections indicated are recommended but may be higher depending on each installation. They must be adapted to the applicable electrical regulations.

*** In order to improve the product, the design and specifications are subject to change without prior notice.**

**** The sound level values correspond to values obtained in an anechoic chamber.**

DUCT-TYPE SPLIT - KANJI Series

KLIMATSU

SPECIFICATIONS

Model				KDAR-82-H1	KDAR-105-H1
Set code				**CL81504**	**CL81505**
EAN set code				8432953086268	8432953086275
Cooling	Nominal capacity (min.- max.)		kW	8.22 (2.22 ~ 7.95)	10.55 (3.08 ~ 12.30)
	Nominal consumption (min.- max.)		kW	2.65 (0.42 ~ 3.20)	3.52 (0.25 ~ 4.60)
	Pdesignc (design capacity)		kW	8.2	10.6
	SEER		W/W	6.5	6.4
	Energy Efficiency Class			A^{++}	A^{++}
	Annual electricity consumption		kWh/year	444	590
Heating	Nominal capacity (min.- max.)		kW	8.33 (2.32 ~ 9.15)	11.72 (3.28 ~ 13.50)
	Nominal consumption (min.- max.)		kW	2.20 (0.42 ~ 3.20)	3.50 (0.35 ~ 3.80)
	Average climate zone	Pdesignh (design capacity)	kW	5.7	8.5
		SCOP	W/W	4.1	4.1
		Energy Efficiency Class		A^{+}	A^{+}
		Annual electricity consumption	kWh/year	2,001	2,930
		Tbiv (bivalent temperature)	ºC	-7	-7
	Warm climate zone	Pdesignh (design capacity)	kW	6.6	9.3
		SCOP	W/W	5.1	5.1
		Energy Efficiency Class		A^{+++}	A^{+++}
		Annual electricity consumption	kWh/year	1,826	2,520
		Tbiv (bivalent temperature)	ºC	2	2
	Cold climate zone	Pdesignh (design capacity)	kW	6.3	9.0
		SCOP	W/W	3.4	3.4
		Energy Efficiency Class		A	A
		Annual electricity consumption	kWh/year	2,656	3,778
		Tbiv (bivalent temperature)	ºC	-22	-22
	Tol (operation limit temperature)		ºC	-15	-15
Indoor unit	Model			KDAR-82-H1-I	KDAR-105-H1-I
	Code			UI81504	UI81505
	EAN Code			8432953086046	8432953086053
	Air flow rate (Super / High / Medium / Low / Silence)	Cooling	m^3/h	1050 / 980 / 900 / 810 / 810	1900 / 1600 / 1400 / 1150 / 1000
		Heating	m^3/h	1250 / 1160 / 1080 / 970 / 970	1900 / 1600 / 1400 / 1150 / 1000
	Static pressure	Nominal	Pa	25	37
		Configurable	Pa	0 ~ 160	0 ~ 200
	Sound pressure (Super / High / Medium / Low / Silence)		dB(A)	42 / 40 / 38 / 35 / 35	47 / 44 / 42 / 40 / 39
	Sound power		dB(A)	52	57
	Drainage connection (OD)		mm	Ø25	Ø25
	Condensate pump head height [1]		mm	1,200	1,200
	Fresh air intake [2]		mm	Ø90	Ø90
	Dimensions (Width x Height x Depth)		mm	920 x 245 x 700	1,200 x 245 x 700
	Weight		kg	32	37
Outdoor unit	Model			KEAR-82-H1-E	KEAR-105-H1-E
	Code			UE81504	UE81505
	EAN Code			8432953086190	8432953086206
	Air flow rate (High)		m^3/h	3,500	4,700
	Sound pressure (High)		dB(A)	58	57
	Sound power		dB(A)	68	67
	Drainage connection (ID)		mm	Ø21	Ø21
	Compressor			SANYO C-6RZ180H3BAF	GMCC KTF240D43UMT
	Expansion Type			Capillary + Valve Electronic	Capillary + Valve Electronic
	Dimensions (Width x Height x Depth) [3]		mm	908 x 699 x 375	974 x 803 x 421
	Weight		kg	38.9	52
Refrigerant	Type / GWP			R32 / 675	R32 / 675
	Charge		kg	1.35	1.7
	CO_2 equivalence		TCO_2eq	0.911	1.148
	Precharge until		m	5	5
	Additional charge (from 5 m)		g/m	25	32
Connection pipes	Liquid		inches	3/8"	3/8"
	Gas		inches	5/8"	5/8"
	Maximum length [4]		m	30	50
	Max. height difference		m	15	25
Electrical data [5]	Power supply		V / Hz / Ph	220-240~ / 50 / 1N	220-240~ / 50 / 1N
	Maximum consumption		kW	3.2	4.6
	Max. current		A	16	21
	Power cable (outdoor unit)		mm^2	2 x 2.5 + T	2 x 2.5 + T
	Interconnection cable		mm^2	3 x 1.5 + T	3 x 1.5 + T
Operating temperature	Indoor (Cooling / Heating)		ºC	17 ~ 32 / 0 ~ 30	17 ~ 32 / 0 ~ 30
	Outdoor (Cooling / Heating)		ºC	-15 ~ 53 / -20 ~ 30	-15 ~ 53 / -20 ~ 30

Notes:

[1] Pump height measured from the unit shaft. The elbow is set horizontally at 200mm maximum.

[2] Inner diameter.

[3] Dimensions include protruding parts (valve cover, grids, handles, etc.). For detailed dimensions, please refer to the installation manual.

[4] Minimum piping length: 3 m.

[5] The electrical wiring sections indicated are recommended but may be higher depending on each installation. They must be adapted to the applicable electrical regulations.

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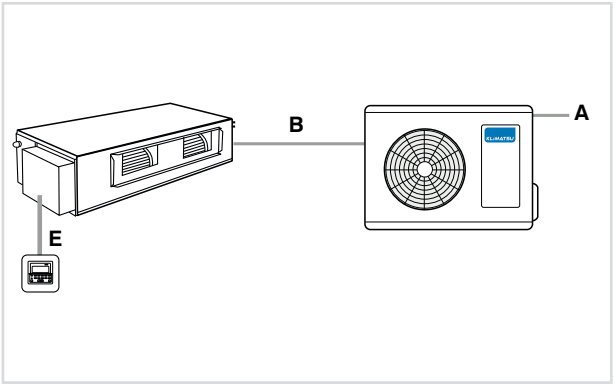
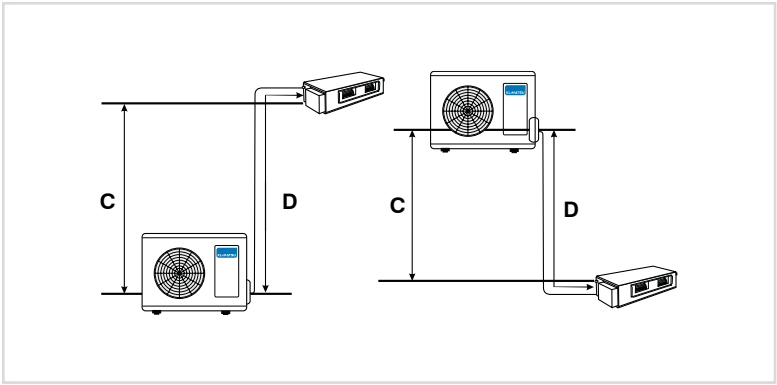
ELECTRICAL WIRING

Model	Power supply (outdoor unit only)		Interconnection (B)
	Type	Section (A)	
35	230 V (1N~)	2 x 1.5 + T (mm²)	3 x 1.5 + T (mm²)
51	230 V (1N~)	2 x 1.5 + T (mm²)	3 x 1.5 + T (mm²)
71	230 V (1N~)	2 x 2.5 + T (mm²)	3 x 1.5 + T (mm²)
82	230 V (1N~)	2 x 2.5 + T (mm²)	3 x 1.5 + T (mm²)
105	230 V (1N~)	2 x 2.5 + T (mm²)	3 x 1.5 + T (mm²)

REFRIGERATION PIPES AND ADDITIONAL CHARGE (R-32)

Model	Piping		Max. distance		Additional refrigerant charge	Precharge until
	Liquid	Gas	Vertical (C)	Total (D)		
35	1/2"	1/4"	10 m	25 m	15 g/m	5 m
51	1/2"	1/4"	10 m	25 m	15 g/m	5 m
71	5/8"	3/8"	15 m	30 m	25 g/m	5 m
82	5/8"	3/8"	15 m	30 m	25 g/m	5 m
105	5/8"	3/8"	25 m	50 m	32 g/m	5 m





OPTIONALS

AIDOO PRO Airzone (1)

AZAI6WSPMB1(1)
(OC48241)

Wireless control (2)

85T
(CL90553)

(1) Allows connection to the Airzone Flexa 4.0 system

(2) The IR receiver is located on the wall control

Features

R32 Refrigerant Gas
This unit uses a more eco-friendly refrigerant: R32. In order to install equipment with R32 refrigerant gas, you must check the applicable legislation.

Maximum Silence
The Mute function allows you to select the ultra-quiet speed, with which the sound level of the equipment is only 22 db(A).

Turbo Operation
Cooling/Heating time reduced to its maximum.

Wide Operating Temperature Range
Cooling operation up to 53 °C and in heating down to -20 °C.

"I FEEL" Function
The remote control features an ambient temperature sensor.

"Golden fin" Treatment
Gold-plated heat exchanger, which protects the equipment against atmospheric phenomena and the effects of aggressive environments. It also prevents the proliferation of bacteria and mold.

Engineering Mode
Function adjustment and operating parameter monitoring via the controller.

Temperature Compensation
The remote control allows you to set the compensation temperature for heating and cooling modes.

Setpoint Temperature Range Adjustment
The remote control is able to adjust: Minimum cooling from 16 °C up to 25 °C; Maximum heating from 31 °C down to 26 °C.

External Fan with Different Speeds
Accurate adjustment of fan speed thanks to DC motor.

WIFI Connectivity
Control your air conditioning equipment from anywhere. Smart Life-Smart Home APP.

BMS Connectivity
The equipment features Modbus communication.

Automatic Mode
Cold/Heat with temperature adjustment.

Filter Cleaning Reminder
Every 500h of operation, it reminds the need to clean the air filter (displays the "CL" code).

Outside Air Inlet
Possibility to bring outside air directly to the indoor unit.

Digital "LED" Display
The equipment features a digital display showing the set point temperature with the possibility of turning the display off.

Automatic Restart
Recovery of the adjustments before the electrical cut.

Refrigerant Leak Detection
The unit automatically detects possible refrigerant leaks in the circuit.

Night Mode
Makes the unit operate according to the preset nighttime temperature curve, which creates an ideal nighttime environment and improves sleep quality.

Super DC Inverter Technology
The equipment features both DC Inverter compressor and DC fan motors.

Daily Timer
The timer can be set to start and stop at any point in a 24-hour period.

Cold Air Precaution
When heating, the initial fan speed is adjusted according to the battery temperature.

Cooling at Low Outside Temperature
Cooling operation down to -15°C outside.

"I SET" Memory
Allows the main operating settings to be stored.

Weekly Timer
Sets the weekly operation of the unit.

Horizontal and Vertical Flap Swing
Better air distribution thanks to the flap's horizontal and vertical automatic swing.

Emergency Operation
Possibility of manually operating the unit with the button in case of any alarm sounding.

8 °C Heating
The unit automatically switches to heating mode when the room temperature is below 8 °C, thus preventing the room temperature from being too low when you are not at home.

Indirect Air
Thanks to the golf ball dimple design and the Coanda effect, it can deliver a higher and longer airflow, creating a wind-free comfort zone for users.

Remote Signal
It features an ON/OFF input.

Condensate Pump
Head up to 1.2 m. Features a drainage pump to facilitate the drainage of the indoor unit.

360º Compact Panel
Air outlet all around the 600 x 600 mm perimeter.

Wide Range
Flap oscillation up to 85º.

Extra Flat
Only 200 mm high.

Configurable Static Pressure
Up to 160 Pa. From the PCB (or any model with the wireless or wired remote control) the static pressure of the fan can be adjusted, so that the machine can be adapted to each installation.

Configurable Return
The air intake can be set up either at the rear or at the bottom of the unit. By default, it is set up at the rear.

Note: This Features Description is generic, you will find the icons that apply to this data sheet in the header of the first page of the data sheet.