

MODEL		Indoor	IR09WIDU	IR12WIDU	IR18WIDU	IR24WIDU
		Outdoor	IR09ODU	IR12ODU	IR18ODU	IR24ODU
Cooling						
Capacity	Nominal (Min-Max)	Btu/h	9000	12000	18000	24000
	Nominal (Min-Max)	kW	2.6(0.8-3.0)	3.2(0.8-3.6)	4.6(1.3-5.3)	6.2(1.3-7.4)
Energy Efficiency	SEER/EER		6.1/3.23	6.1/3.01	6.3/3.07	6.7/3.1
Energy Class			A++	A++	A++	A++
Pdesign Capacity		kW	2.6	3.2	4.6	6.2
Power Input	Nominal (Min-Max)	kW	0.804 (0.3-1.2)	1.063 (0.3-1.6)	1.5(0.4-1.75)	2.0(0.4-2.2)
Annual Energy Consumption		kWh/a	143	184	256	324
Operating Limits	Min-Max	°C	-10-43°C(out)	-10-43°C(out)	-10-43°C(out)	-10-43°C(out)
Heating						
Capacity	Nominal (Min-Max)	Btu/h	9555(2730-10920)	11603(2730-14330)	15690(4430-18080)	21500(4770-25590)
Capacity	Nominal (Min-Max)	kW	2.8(0.8-3.2)	3.4(0.8-4.2)	4.6(1.3-5.3)	6.3(1.4-7.5)
Energy Efficiency	SCOP/COP (Mild)		4.0/3.71	4.0/3.4	4/3.40	4/3.61
	SCOP (Warm/Cold)		5.10/-	5.10/-	4.6/-	5.1/-
Energy Class	Mild/Warm/Cold		A+/A++/-	A+/A++/-	A+/A++/-	A+/A++/-
Pdesign Capacity (-10°C)		kW	2.4	2.8	3.3	4.6
Power Input	Nominal (Min-Max)	kW	0.754(0.3-1.4)	1.00(0.3-1.6)	1.35(0.4-1.75)	1.75(0.6-2.3)
Annual Energy Consumption		kWh/a	840	980	1155	1610
Operating Limits		°C	-15-24°C(out)	-15-24°C(out)	-15-24°C(out)	-15-24°C(out)
Power Supply	Ph/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Position		indoor	indoor	outdoor	outdoor
Indoor						
Net Dimension	W/D/H	mm	820/195/280	820/195/280	865/200/290	1008/225/318
Package Dimension	W/D/H	mm	883/342/269	883/342/269	954/279/355	1085/325/403
Net/Shipping Weight		kg	8.2/10.5	8.2/10.5	8.7/10.9	11.6/14.4
Air Flow (Cooling/Heating)	Max	m³/h	500	550	700	1000
Sound Power Level	Cooling (Hi)	dB(A)	54	56	59	64
	Heating (Hi)	dB(A)	54	56	59	64
Sound Pressure Level	Cooling (Hi/Mid/Lo/So)	dB(A)	37/33/29/19	38/34/29/20	44/40/35/28	49/44/38/33
	Heating (Hi/Mid/Lo/So)	dB(A)	37/33/29/19	38/34/29/20	44/40/35/28	49/44/38/33
Moisture Removal		10-3m³/h	1.0	1.4	2	2.8
Outdoor						
Compressor			HIGHLY	HIGHLY	SANYO	HIGHLY
Net Dimension	W/D/H	mm	700/245/544	700/245/544	800/275/553	800/275/553
Package Dimension	W/D/H	mm	819/320/585	819/320/585	954/409/627	954/409/627
Net/Shipping Weight		kg	22.8/25.3	23.5/26	29.2/32.1	32.7/36.5
Air Flow (Cooling/Heating)	Max	m³/h	2100	2100	2400	2500
Sound Power Level	Hi	dB(A)	62	63	65	68
Sound Pressure Level	Hi	dB(A)	49	50	54	57
Running Current	Max	A	6.2	7.1	7.5	10.5
Refrigerant Type	R410a/R32		R32	R32	R32	R32
Refrigerant Charge	R410a/R32	g	510	530	680	900
Refrigerant Pipe	Liquid Side Diameter		6.35	6.35	6.35	6.35
	Gas Side Diameter		9.52	9.52	12.7	12.7
	Max Pipe Length/Height		20/10	20/10	20/15	25/15
	Max Pipe Length without Additional Charge		5	5	7	7
	Additional Charge		20	20	20	20

Category & Functions		Introduction	IRIA 2023
Ultimate Health	UVC Sterilization	Emits UV light to sterilize the air passing through with efficiency up to 99.9%.	/
	Nano-Aqua Sterilization	Ionizes the air and releases positive and negative ions to sterilize the air with efficiency up to 97.5%.	/
	Triple Plus Filters	Utilizes mixed powerful filter plus eletronical, combining to prevent the air conditioner from harmful micro-particles including dust, virus and bacteria	x
	Anti-Corrosion	Helps condensate flow smoothly via its hydrophilic and anti-corrosive properties.	x
	Self-Clean	Freezes the evaporator with moisture in the air, and then removes away dirt in melting, ensuring clean air out of the air conditioner.	x
	56°C sterilization	Kills bacteria and viruses by heating the evaporator to 56 high temperature for 30 minutes	/
	WiFi Control	Download the Haier Smart Air 2 App to an Apple or Android smart device, and link the equipment to the smart device for system control from whenever and wherever you want.	x
Ultimate Smart	Eco Sensor	Detects the room air conditions and human activities in real-time monitoring, and switches working mode to achieve higher energy efficiency and provide better experience to users.	/
	I Feel	Air conditioner can control temperature through a remote controller and accomodate the room temperature accurately	/
Ultimate Comfort	Whispering Air	Ensures your peace of mind with optimized fan, air duct and motor.	x
	Dry Function	Adjusts fan speed automatically according to room air temperature to achieve either mild dehumidification or strong dehumidification.	x
	3D Airflow	Delivers comfortable airflow to every corner of your room with the constant horizontal and vertical movements of airflow blades.	/
	Intelligent Air	Directs the airflow upwards at cooling mode, and downwards at heating mode to provide better air conditioning performance.	x
	Constant 10°C Heating	Works when room temperature drops below 10°C to provide winter protection for pipes	/
	Sleep Mode	Provides maximum comfort and energy saving during your good night's sleep.	x
	Positioning Specifications	Help fix the mounting plate and hang air conditioner at proper position.	x
Ultimate Fit	Extended Kickstand	Makes the installation easy with larger operation area to install and service.	x
	Easy Access Control Board	Simplifies dismounting and maintenance without disassembling casing.	x
	Wider Tubing Space	Saves installation time with larger operation space for piping and wiring.	x
	Easy Access Fan Motor	Simplifies dismounting and maintenance without disassembling evaporator.	x
	Detachable Bottom Cover	Helps open the bottom to connect piping and wiring without screwdriver.	/
	Self-diagnosis	Shows the error code on the LED display of the indoor unit to make the maintenance easier.	x
	Super Match	Realizes 100% free combination between residential indoor unit and light commercial outdoor unit , to make the sales management more easier and efficient.* *The Flexis outdoor unit can be linked to light commercial indoor unit. Other outdoor units of residential models can not.	x

Category & Functions		Introduction	IRIA 2023
Ultimate Power	A-PAM Control	Automatically adjusts DC bus voltage in accordance with the compressor load to increase operation voltage range.	X
	PID Control	Maximizes the working frequency before reaching the desired temperature, and, after that, constantly makes real-time adjustments to match room air temperature with the desired temperature.	X
	Turbo Cooling	The special control program allows the motor to work at a higher frequency. It enables users to enjoy a cool room within a much shorter time.	X
	Long Distance Air-flow	The indoor unit get improved with better motor, optimized fan and air duct. It enables the air conditioner blows air as long as 20m.	18K/24K
	Strong Airflow	With improved fan and air duct, the air conditioner supplies up to 25% more air volume than the conventional.	X
	Warm Start	Blows no cold air when the unit is starting to work at heating mode, or change from cooling mode to heating mode.	X
	-15°C Heating	Provides powerful heating performance in cold winter with rotary compressor, etc.	X
	-10°C Cooling	Works at low ambient temperature with high frequency rotary compressor, optimized refrigerant system and special defrosting program, etc.	X
	DC Motor	Ensures reliable operation with much higher energy saving and lower operation sound.	X
	DC Compressor	Reduces energy loss and maximize power input to achieve much higher energy efficiency.	X
	Smart Defrosting	Works only when necessary to reduce energy waste, and provide better experience by reducing defrosting time.	X
	Indoor 5-step Fan Speed	Works at powerful/high/middle/low/quiet speed to give users more choices in airflow control.	X
	Double Horizontal Flaps	Supplies airflow in more directions to enhance user experience.	/
	Auto Vertical Airflow	Moves vertically and works with horizontal flaps to achieve various air angle.	X
	3-minute Protection	Helps compressor avoid unexpected damages to have longer life.	X
	Auto Restart	Returns operation to previous air conditioner settings after a sudden power break.	X
	Wide Voltage Operation	Enable inverter AC to start working from 150V-264V	X
	88 Display	Shows clearly the real-time room temperature or desired temperature on the panel.	X
	Auto Mode	Helps air conditioner choose cooling or heating automatically based on desired temperature and ambient temperature.	X
	Integrated Structure	Combines the bottom base, drain pan and frame casing together to level up product reliability and lower vibration.	X
Low Watt Standby	Lowers stand-by power consumption from 8W to about 1W by optimizing control programme.	X	
Outdoor 7-step Fan Speed	Makes adjustments according to the control of ambient sensor and tubing sensor to optimize heat exchange performance and improve energy efficiency.	X	
Coanda Plus Airflow	Makes the wind out of the air conditioner further, faster, and stronger, so that the cool air can be evenly delivered to every corner of the room.	/	