

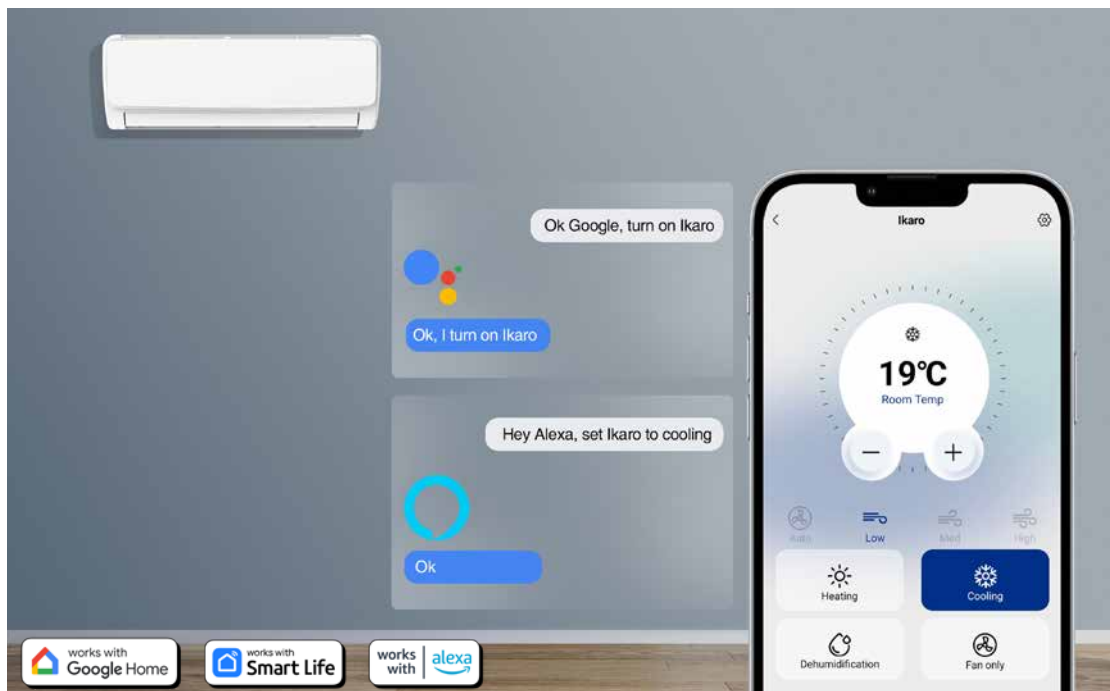
Ikaro

HYDRONIC COMFOSPLIT WITH HYDROSILENCE TECHNOLOGY

Ikaro is the wall-mounted hydronic terminal equipped with exclusive HydroSilence technology for unparalleled acoustic and thermal comfort. Specifically designed for residential applications, Ikaro packs the best PID thermal and electronic technology into a compact and elegant form. Ideal in heat pump systems, and renewable systems, including solar. Fast and effective, it heats, cools, and dehumidifies in complete silence.



Wi-Fi+ AND VOICE COMMANDS





IKARO HEATS, COOLS AND DEHUMIDIFIES

With 5 cooling powers available from 1.1 to 3.3 thermal kW, Ikaro is the complete solution for hydronic air conditioning with cross-flow technology, advantageous in systems with modern reversible heat pumps. The dehumidifying effect adds well-being to the rooms.

IKARO HAS 5 SILENCE LEVELS

With 5 models available, the choice of Ikaro can be made with extreme flexibility not only due to the thermal loads, but also only according to the desired silence, with an average acoustic range from 39/25 to only 11db (eleven).

IKARO IS COMPACT, ELEGANT AND UNIVERSAL

Ikaro's design is developed to find a place in the most elegant residential environments: with a focus also on compactness (width less than 90cm). Furthermore, Ikaro can be universally installed with common predisposition boxes for gas splits (h.int>10cm). The convenient fixing plate, which facilitates installation and maintenance thanks to the "tilting hinge" joint, remains completely invisible.



The modern concept of comfort in houses extends beyond the climatic aspects (temperature, humidity and air purity) to include acoustics as well.



HYDRO SILENCE TECHNOLOGY

It is the result of an innovation path aimed at making the consolidated efficiency of hydronic air conditioning integrated with the modern concept of comfort, thermal and especially acoustic, indispensable in residential buildings.

HydroSilence controls, modulates and implements in unison the tangential fan unit, the high efficiency heat exchanger, the cross-flow technology and the refined electronics with PID algorithms (proportional, integral, derivative) for a combination of silence and unique performance (patented technology).



Ikaro

PATENT

THE SILENT, MODULATING AND PATENTED COMFOSPLIT

Designed for maximum comfort, Ikaro incorporates patented Hydrosilence technology: noiselessness and thermal power modulation. It is controllable by remote control, thermostat, WI-FI or via Modbus.



DESCRIPTION

Comfosplit hydronic terminal IKARO HW, for wall installation, is designed to ensure high quietness qualities, even in "sleeping area." Elegant aesthetics, thickness of only 20 cm (high efficiency exchanger), ideal in residential buildings. The tangential cross-flow fan with high silence modulation - controlled by the Inverter in PID algorithm. With transparent LCD, condensate tray and removable fine-weave air filters, water temperature probe. Connections 1/2" M. Remote control as standard. Also controllable by Modbus protocol, 3 dry contacts, in Wifi (with addition of Wi-Fi+ stick, optional)

code	product	
THE01W	COMFOSPLIT IKARO HI-WALL 180 HW INVERTER Wi-Fi READY	NEW
THE02W	COMFOSPLIT IKARO HI-WALL 250 HW INVERTER Wi-Fi READY	NEW
THE03W	COMFOSPLIT IKARO HI-WALL 350 HW INVERTER Wi-Fi READY	NEW
THE05W	COMFOSPLIT IKARO HI-WALL 500 HW INVERTER Wi-Fi READY	NEW
THE07W	COMFOSPLIT IKARO HI-WALL 750 HW INVERTER Wi-Fi READY	NEW

Wi-Fi READY and INFRARED REMOTE CONTROL as standard.

WATER FLOW SHUT-OFF VIA 2- OR 3-WAY PLUMBING KIT OR HYDRONIC TERMINAL MANIFOLD KIT VIA ELECTROTHERMAL HEAD IS RECOMMENDED (AND IS MANDATORY IN COOLING)

FIELD OF USE

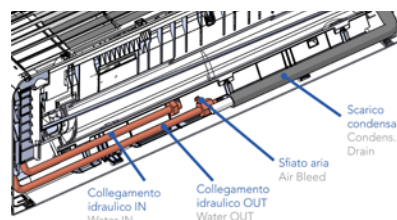
Each Ikaro can be operated completely independently thanks to the infrared remote control provided as standard and the transparent LCD display that shows the temperature at all times. Ikaro is Wi-Fi ready, and with the help of the simple Wi-Fi+ device, it can be controlled anywhere without limits. is also equipped, again as standard, with Modbus connectivity.

In the Ikaro Wi-Fi Ready version, simply add the Wifi+ stick to connect the comfosplit to the home Wifi network. The Wi-Fi+ dongle is compatible with the Smart Life, Alexa and Google Home apps and allows Ikaro to be controlled over Wi-Fi anywhere with ease, even by voice.

Alternatively, Ikaro also supports the Modbus protocol, which enables its connection to Integra Benessere, Ideal Clima's simple and advanced ThermoDomotica. From the Integra Touch panel it is possible to control, from a single point, the functions of Ikaro.

Ikaro can be connected to standard three-speed thermostats (such as the Vision+ thermostat) via dry contacts. standard.

DIMENSIONS



code	model	[mm]		
		L	H	D
THE01W	COMFOSPLIT IKARO HI-WALL 180 HW INVERTER	850	300	198
THE02W	COMFOSPLIT IKARO HI-WALL 250 HW INVERTER			
THE03W	COMFOSPLIT IKARO HI-WALL 350 HW INVERTER			
THE05W	COMFOSPLIT IKARO HI-WALL 500 HW INVERTER			
THE07W	COMFOSPLIT IKARO HI-WALL 750 HW INVERTER			

TECHNICAL DATA.

description		IKARO HW 180	IKARO HW 250	IKARO HW 350	IKARO HW 500	IKARO HW 750
code		THE01W	THE02W	THE03W	THE05W	THE07W
Total cooling capacity 7°C (1)	W	1'110	1'300	1'690	2'570	3'330
Sensitive cooling power (1)	W	890	1'070	1'350	2'100	2'720
Water flowrate (1)	l/min	3.2	3,8	4,9	7,9	9.7
Ikaro HW Pressure drop	kPa	4,2	6,0	10	27	39
Pressure drop 2 or 3 way valves KVs=1.7 (1)	kPa	1.4	2	3.2	8.7	13
Heating power 45 °C (2)	W	1'310	1'630	2'070	3'260	4'230
Water flowrate (2)	l/min	3.7	4.7	5.9	9.3	12.1
Ikaro HW Pressure drop (2)	kPa	6,0	9,2	14.4	37	58
Pressure drop 2- or 3- way valves KVs=1.7 (2)	kPa	1.9	3.1	4.8	12	20.3
Air Flowrate max speed	mc/h	180	250	340	520	730
Sound pressure speed Max. (*)	dB (A)	13	16	21	27	42
Sound pressure speed Med. (*)	dB (A)	11	13	18	25	39
Sound pressure speed Min. (*)	dB (A)	11	12	16	23	37
Power supply-protection grade.	V/ph/Hz	230/1+N/50----IP23				
Max electrical consumption speed	W	12.6	15	18.3	28	42
Maximum current	A	0.14	0.15	0.16	0,19	0.22
Hydraulic connections	inch	Rc ½"				
Water content	Liters	1.6				
Condensate drainage pipe	mm	DN 15				
Maximum operating pressure	MPa	1.6				
Net weight	Kg	13				






TEST CONDITIONS

(1): COOLING: Temp. Water inlet=7°C, Temp.diff=5°C; Temp. air=27°C; RH=47% (UNI EN 1397: 2015)

(2): HEATING: Temp. Water inlet=45°C, Temp.diff=5°C; Temp. air=20°C-B5 (UNI EN 1397:2015)

(*) : SOUND PRESSURE (dBA): r=1,5 M, Q =1 (UNI EN ISO 3741:2010)

ACCESSORIES

	product	cod. art	
	Hydraulic Kit Falko Ikaro 2-way motorized	TGCL14	
	Hydraulic Kit Falko Ikaro 3-way motorized	TGCL15	
	Increased predisposition cassette with 125 mm span for Falko Hw and Ikaro Hw	TGCL30	
	HD ELECTROTHERM. HEAD 230V for motorized hydraulic connection kit	SLTS04	
	Vision+ WiFi Chronothermostat	TGCL74	
	Wi-Fi+ stick	TQCT07	



NEW

NEW