

A+++



+54°C



-30°C



4



# SUPREME

SERIES



# A powerful pulse of a stylish interior

This model is equipped with a two-stage compressor, which provides maximum efficient operation at extreme outdoor temperatures. This heat pump efficiently heats the room even at outside temperature of **-30°C** and cools the room at temperatures of up to **+54°C**. In addition, it is an extremely energy-saving device with an **energy efficiency class A+++**, which means low operating costs.

Thanks to the **Wi-Fi function**, the air conditioner can be controlled remotely using your smartphone from any location. In addition, it is possible to **connecting to a wired controller**, or **BACNet BMS system**.

Due to the multi-speed fan and quiet operation function, the sound pressure level is as low as **18 dB(A)**.

# SUPREME Series



## Accessories (optional)



Wired Controller  
XK76



Wired Controller  
CE58-00/EF(CM)



Wired Controller  
CE52-24/F

## Health Features



CH 7 Sky Technologies



ECO Fresh technology



CH Smart Ion Technologies



X-Fan function

## Comfort Features



Cooling Mode



Heating Mode



Ventilation Mode



Dry Mode



I-Feel



Turbo Mode



Hot Start



Vertical SWING



Horizontal SWING



+8°C Mode



Sleep Mode



Quiet Mode

## Control Features



Wi-Fi



Remote Control



Locking Remote Control



Daily timer



Connection to wired controller



Connection to BMS

## Intelligent Features



I ACTION  
I Action technology



Auto Restart



Self monitoring



Auto Defrost

## Technology Features



R32 Refrigerant



Inverter



Two Stage Compressor



Blue Fin Coating



LED display



Energy efficient copper tubes



Multi-speed fan

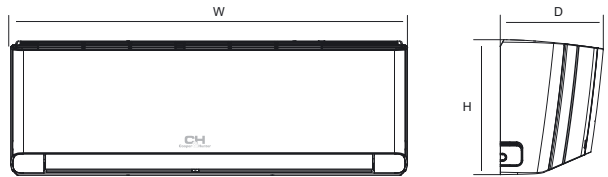


Crankcase heating system

System			CH-S09FTXAM2S-***	CH-S12FTXAM2S-***	CH-S18FTXAM2S-***	CH-S24FTXAM2S-***
Capacity	Cooling	kW	2.70 (0.70-5.00)	3.53 (0.85-5.00)	5.30 (1.20-7.20)	7.03 (2.00-9.00)
	Heating	kW	3.50 (0.70-5.50)	4.20 (0.88-7.20)	6.20 (1.20-9.20)	7.03 (2.00-9.50)
Rated power	Cooling	kW	0.55 (0.08-1.80)	0.84 (0.06-1.90)	1.18 (0.35-2.50)	1.85 (0.45-3.70)
	Heating	kW	0.75 (0.13-2.40)	0.95 (0.13-2.60)	1.45 (0.35-3.30)	1.75 (0.38-3.80)
Energy efficiency	Cooling (SEER*)	kW/kW	8.5 (A+++)	8.5 (A+++)	7.5 (A++)	6.5 (A++)
	Heating (SCOP**)	kW/kW	5.7 (A+++)	5.7 (A+++)	5.1 (A+++)	5.3 (A+++)

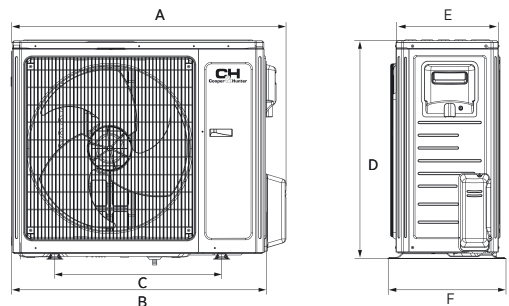
Indoor Unit		CH-S09FTXAM2S-***	CH-S12FTXAM2S-***	CH-S18FTXAM2S-***	CH-S24FTXAM2S-***
Air flow rate	m <sup>3</sup> /h	800/730/680/630/580/450/350/250	800/730/680/630/580/450/350/250	1200/1150/1050/950/850/780/600	1250/1100/950/850/800/750/650
Sound level pressure	dB (A)	44/43/38/36/31/24/22/18	44/43/38/36/31/24/22/20	46/44/42/39/36/34/32	50/46/43/41/39/31/35/27
Druing	l/h	0.8	1.4	1.8	2.0
Weight	kg	13	13.5	16.5	16.5

	W (mm)	H (mm)	D (mm)
CH-S09FTXAM2S-***	996	301	225
CH-S12FTXAM2S-***	996	301	225
CH-S18FTXAM2S-***	1101	327	249
CH-S24FTXAM2S-***	1101	327	249



Outdoor Unit		CH-S09FTXAM2S-***	CH-S12FTXAM2S-***	CH-S18FTXAM2S-***	CH-S24FTXAM2S-***
Sound level Pressure	dB (A)	53	54	56	56
Compressor type		Rotary			
Refrigerant		R-32			
Temperature range (cooling)	°C	-18 ... +54			
Temperature range (heating)	°C	-30 ... +24			
Power supply		~220-240 V/50 Hz/1 Ph			
Weight	kg	44.5	45.5	61	65
Refrigerant charge	kg	1.0	1	1.5	2.0
Liquid pipe diameter	mm/inch	6.35/1/4"	6.35/1/4"	6.35/1/4"	6.35/1/4"
Gas pipe diameter	mm/inch	9.52/3/8"	9.52/3/8"	15.88/5/8"	15.88/5/8"
Max pipeline level difference	m	10	10	20	30
Pipeline max length	m	15	20	40	50

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
CH-S09FTXAM2S-***	899	838	550	596	303	378
CH-S12FTXAM2S-***	899	838	550	596	303	378
CH-S18FTXAM2S-***	1000	920	610	790	370	427
CH-S24FTXAM2S-***	1000	920	610	790	370	427



\*SEER - Seasonal capacity factor of the system in cooling mode  
 \*\* SCOP - Seasonal capacity factor of the system in heating mode  
 \*\*\* Unit can be dispatched in five various colours: white (WP), balck&silver (BL), full black (FB), silver (SC), gold (GD)