C&H
Cooper&Hunter

SERIES

ARCTIC NG

STYLE AND
RELIABILITY

ARCTIC NG

5 YEARS +50°C −25°C 20dB

CE RoHS INVERTER

FUNCTION

HEALTH						COMFORT MANAGEMENT							
Mode SLEEP	Technology CH 7-SKY	ECO-FRESH	CH SMART-ION filter	Double Self-clean	Self-clean	Locking the remote control	Timer	LED display	Turbo mode	Multi speed fan	Dehumidification mode	Dehumidification mode	Wi-Fi	I FEEL

INTELLIGENT CONTROL					TECHNOLOGICAL							ENERGY EFFICIENCY	
Anti Freeze protection	Auto restart	Self diagnostics	Display backlight	Wired controller connection	R32 Refrigerant	Silent mode	Auto protection	Function 8°C	Technology I-Action	Coating BLUE-FIN	Warm start	Energy Efficiency	Generation 6

CONTROLS AND ACCESSORIES (OPTIONAL)

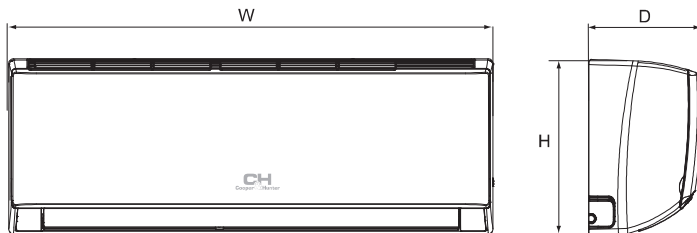Wired Controller
XK76

Wired Controller
CE50–24/E

Wired Controller
CE52–24/F

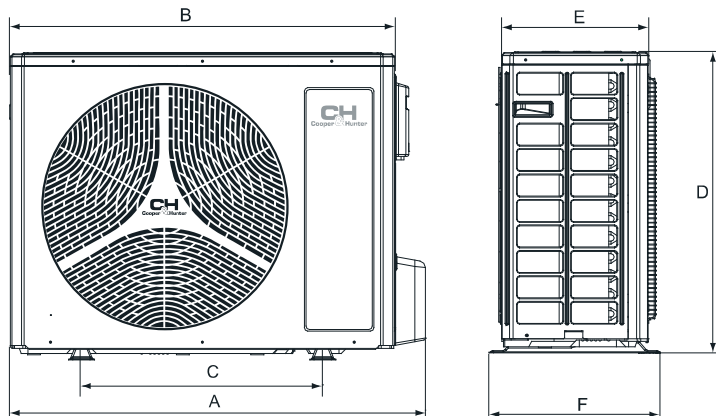| MODEL			CH-S09FTXLA2-NG	CH-S12FTXLA2-NG	CH-S18FTXLA2-NG	CH-S24FTXLA2-NG
Capacity	Cooling	kW	2.70 (0.80–3.80)	3.51 (0.90–4.40)	5.20 (1.00–6.10)	7.10 (2.00–8.85)
	Heating	kW	3.00 (0.90– 4.25)	3.81 (0.90–4.70)	5.60 (1.10–6.60)	7.80 (1.80–9.45)
Power consumption	Cooling	kW	0.69 (0.10–1.30)	0.96 (0.22–1.40)	1.58 (0.10–2.35)	2.03 (0.45–2.90)
	Heating	kW	0.70 (0.15–1.40)	0.95 (0.22–1.55)	1.44 (0.18–2.40)	2.00 (0.35–3.00)
Energy efficiency	Cooling (SEER*)	kW/kW	7.5 (A++)	7.1 (A++)	7.1 (A++)	7.0 (A++)
	Heating (SCOP**)	kW/kW	5.3 (A+++)	5.2 (A+++)	5.7 (A+++)	5.4 (A+++)

* SEER – seasonal coefficient of system cooling capacity.
** SCOP – seasonal coefficient of system cooling capacity.

INDOOR UNIT		CH-S09FTXLA2-NG	CH-S12FTXLA2-NG	CH-S18FTXLA2-NG	CH-S24FTXLA2-NG
Air flow volume	m³/h	390/420/440/470/540/570/610	360/420/480/540/600/650/700	460/520/570/610/680/750/850	800/850/900/950/1000/1100/1250
Sound pressure level	dB (A)	20/22/24/26/28/32/37	21/23/24/26/29/33/38	24/27/31/33/38/41/45	27/29/35/37/39/42/47
Dehumidification	l/h	1.69	1.40	1.9	2.4
Weight	kg	10.5	10.5	13	16.5

MODEL	W (mm)	H (mm)	D (mm)
CH-S09FTXLA2-NG	845	289	209
CH-S12FTXLA2-NG	845	289	209
CH-S18FTXLA2-NG	970	300	224
CH-S24FTXLA2-NG	1078	325	246

OUTDOOR UNIT		CH-S09FTXLA2-NG	CH-S12FTXLA2-NG	CH-S18FTXLA2-NG	CH-S24FTXLA2-NG
Sound pressure level	dB (A)	50	52	56	59
Compressor type		Rotary			
Refrigerant type		R32			
Temperature range for cooling	°C	-15 … +50			
Temperature range for heating	°C	-25 … +30			
Power supply		~220–240V/50Hz/1 Ph			
Weight	kg	24.5	24.5	30.5	41.5
Refrigerant Charge	kg	0.53	0.57	0.82	1.50
Liquid pipeline diameter	mm/inch	6.35/1/4"	6.35/1/4"	6.35/1/4"	6.35/1/4"
Gas pipeline diameter	mm/inch	9.52/3/8"	9.52/3/8"	12.7/1/2"	15.88/5/8"
Maximum pipeline level difference	m	10	10	10	10
Pipeline maximum length	m	15	15	25	25

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
CH-S09FTXLA2-NG	732	675	455	555	285	330
CH-S12FTXLA2-NG	732	675	455	555	285	330
CH-S18FTXLA2-NG	802	745	513	555	300	350
CH-S24FTXLA2-NG	958	889	570	660	340	402