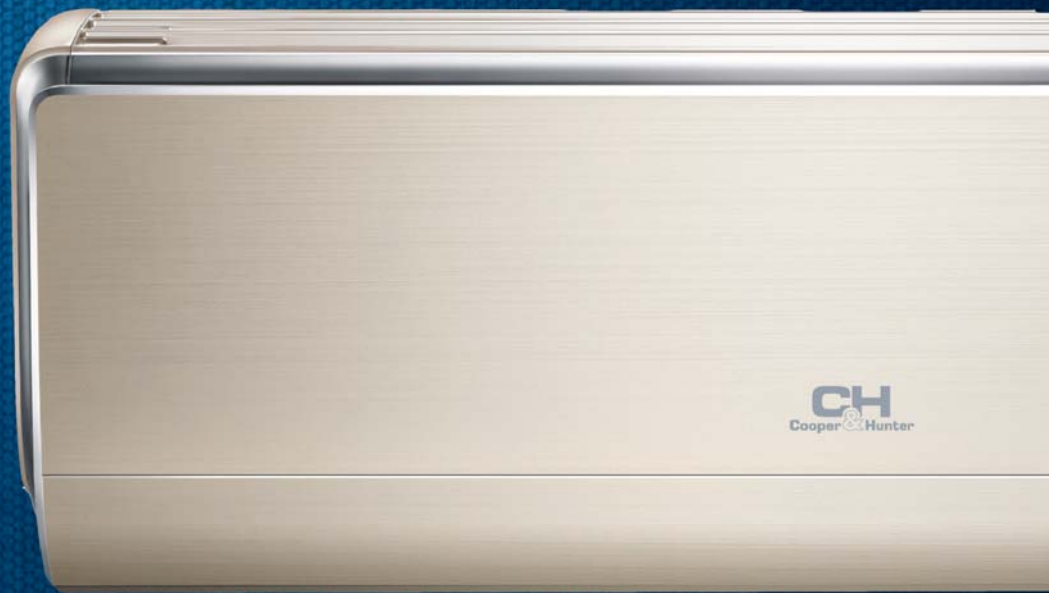


CH
Cooper & Hunter



CH
Cooper & Hunter

Residential and light commercial air conditioners
Catalogue 2015

2015



R-410A



Model		CH-S07RX4	CH-S09RX4	CH-S12RX4	CH-S18RX4	CH-S24RX4
		Cold/Heat	Cold/Heat	Cold/Heat	Cold/Heat	Cold/Heat
Capacity	kW	2,26/2,43	2,70/2,82	3,25/3,40	4,7/4,9	6,15/6,50
Power consumption	kW	0,69/0,66	0,82/0,78	1/0,94	1,46/1,43	1,9/1,9

- Increased duty operation;
- Quiet operation;
- EER energy class A;
- Compact friendly classic design;
- Real time display on remote control;
- Wide angle louvers;
- Self-cleaning of indoor unit. After finishing operation of air conditioner the fan does not stop immediately and remove wet from heat exchanger to block mould developing and bacteria generation inside unit;
- Electrostatic air cleaning filter FRESH;
- LED display. On/off from remote control;
- Comfort SLEEP function mode;
- 24-hour timer;
- Turbo mode. On/off by one press to reach max fan velocity for intensive cooling or heating inside fan delay start to escape cool air aflo under heating operation;
- Decrease humidity function without temperature changes;
- Removable washable panel;
- Heat exchanger with antirust cover GREEN-FIN;
- Autoreset function;
- Automatic de-icing safety mode;
- On/off defrosting from remote control;
- Stabilize voltages system;
- Self-diagnostic of main units and modes.



Technical data:

Model			CH-S07RX4	CH-S09RX4	CH-S12RX4	CH-S18RX4	CH-S24RX4
capacity	Cold/Heat	kW	2,26/2,43	2,70/2,82	3,25/3,40	4,7/4,9	6,15/6,50
Power supply			~ 220-240V/50Hz/1ph				
Nominal capacity	Cold/Heat	kW	0,69/0,66	0,82/0,78	1/0,94	1,46/1,43	1,9/1,9
Energy level	EER (cold)/C.O.P. (heat)	kW/kW	3,28/3,68	3,29/3,61	3,25/3,61	3,22/3,43	3,24/3,42
Air flow capacity		m ³ /h	400	400	600	850	850
Noise level	in.unit (min/av/max)	dB(A)	24/27/31	26/31/33	29/33/35	31/35/39	33/37/41
	out.unit	dB(A)	49	49	50	52	53
Refrigerant			R-410A				
Dimensions (width/height/depth)	in.unit/out.unit	mm	730x254x184/ 730x430x310	730x254x184/ 730x430x310	848x274x189/ 776x540x320	945x298x211/ 848x540x320	945x298x211/ 913x680x378
weight	in.unit/out.unit	kg	8/22	8/26	10/31	13/40	13/46
drying		lit/h	0,80	0,80	1,20	2,80	3,00
Temperature operation range		°C	-7/43	-7/43	-7/43	-7/43	-7/43
Volume of charge refrigerant			0,61	0,75	0,80	1,15	1,45
Diameter of liquid pipeline		mm/inch	6,38/1/4"	6,38/1/4"	6,38/1/4"	6,38/1/4"	6,38/1/4"
Diameter of gas pipeline		mm/inch	9,53/3/8"	9,53/3/8"	9,53/3/8"	12,7/1/2"	12,7/1/2"
Max height difference of pipeline		m	5	5	5	10	10
Max length of pipeline		m	15	15	15	25	25
Distance between fastening bolts of out.unit		mm	440	440	510	540	549



R-410A

A+++

INVERTER

Generation IV

G-Matrik



Model		CH-S09FTXLA	CH-S12FTXLA	CH-S18FTXLA	CH-S24FTXLA
		Cold /Heat	Cold /Heat	Cold /Heat	Cold /Heat
Capacity	kW	2,60 (0,44-3,26)/ 2,80 (0,44-4,20)	3,50 (0,60-4,05)/ 3,67 (0,60-5,25)	5,13 (1,05-6,50)/ 5,275 (1,00-7,00)	6,70 (1,50-7,00)/ 7,25 (1,20-7,80)
		0,805 (0,20-1,35)/ 0,755 (0,20-1,45)	1,084 (0,22-1,45)/ 0,989 (0,22-1,55)	1,58 (0,36-2,50)/ 1,41 (0,35-2,60)	1,875 (0,35-2,50)/ 1,945 (0,35-2,70)

- Home heat pump. Adapted for operation to heat in northern Europe;
- Temperature operation range from -25°C till +48°C;
- Highest energy class A+++ Class Energy Efficiency - Generation IV;
«G-Matrik» technology - smooth and stable operation of compressor on ultralow frequencies (1Hz);
- Range operation between 96V-260V;
- Intellectual defrosting system and evaluating of presence freon in system
- compressor heating, fan velocity managing of outdoot unit;
- I Feel – integrated temperature sensor into remote control. Precise temperature operation range of 0,5°C;
- Almost noiseless operation on level of 21 dB;
Cold plasma function - new generation air cleaning technology;
- Standby energy consumption 45 W;
- Full compliance with EU energy directive for ErP (Energy related Products)
- № 626/2011/EU SEER A+++ and SCOP A+++ .



Technical data :

Model			CH-S09FTXLA	CH-S12FTXLA	CH-S18FTXLA	CH-S24FTXLA
Capacity	Cold/Heat	kW	2,60 (0,44-3,26)/ 2,80 (0,44-4,20)	3,50 (0,60-4,05)/ 3,67 (0,60-5,25)	5,13 (1,05-6,50)/ 5,275 (1,00-7,00)	6,70 (1,50-7,00)/ 7,25 (1,20-7,80)
Power supply			~ 220-240V/50Hz/1ph			
Nominal power capacity	Cold/Heat	kW	0,59 (0,20-1,35)/ 0,61 (0,20-1,45)	0,80 (0,22-1,45)/ 0,79 (0,22-1,55)	1,28 (0,36-2,50)/ 1,16 (0,35-2,60)	1,56 (0,35-2,50)/ 1,73 (0,35-2,70)
SEER/SCOP		kW/kW	6,1(A++)/5,1(A+++)	6,1(A++)/5,1(A+++)	6,1(A++)/5,4(A+++)	6,3(A++)/5,1(A+++)
Air flow capacity		m ³ /h	560/490/430/330	660/540/460/330	800/720/610/520	1150/1000/900/800
Noise level	in.unit (min/ av/max)/ out.unit	dB(A)	22/25/34/ 50	22/27/36/ 52	27/32/38/ 54	29/32/40 55
Refrigerant			R410A			
Dimensions (width/height/ depth)	in.unit/ out.unit	mm	790x275x200/ 776x540x320	845x289x209/ 776x540x320	970x300x224/ 963x700x396	1078x325x246/ 963x700x396
Weight	in.unit/ out.unit	kg	9/28	10/29	13,5/45	17/53
Compressor			rotary			
Drying rate		lt/h	0,80	1,40	1,80	2,10
Temperature operation range		°C	-25/+48			
Gas charge volume		kg	0,74	1,00	1,30	1,90
Diameter of liquide pipeline		mm/inch	6,38/1/4"	6,38/1/4"	6,38/1/4"	6,38/1/4"
Diameter of gas pipeline		mm/inch	9,53/3/8"	9,53/3/8"	12,7/1/2"	12,7/1/2"
Max height difference of pipeline		m	10			



R-410A

A++

INVERTER

Generation III

G-Matrik



Model		CH-S09FTXG	CH-S12FTXG	CH-S18FTXG	CH-S24FTXG
		Cold/Heat	Cold/Heat	Cold/Heat	Cold/Heat
Capacity	kW	2,70 (0,44-3,26)/ 3,60 (0,44-4,20)	3,60 (0,60-4,20)/ 4,12 (0,60-5,25)	5,30 (1,05-6,50)/ 5,70 (1,00-7,00)	6,45 (1,50-7,00)/ 7,00 (1,20-7,80)
Power consumption	kW	0,68 (0,20-1,35)/ 0,87 (0,20-1,45)	0,90 (0,22-1,45)/ 0,99 (0,22-1,55)	1,31 (0,36-2,50)/ 1,35 (0,35-2,60)	1,85 (0,35-2,50)/ 1,98 (0,35-2,70)

- Cold plasma function - modern air cleaning technology;
- Energy class SEER A++/ SCOP A++;
- New generation DC-inverter rotary compressor under Daikin license;
- Safety and stable operation between 95V and 260V;
- Premium set completion Generation III;
- G-Matrik technology - smooth and stable operation under ultralow frequencies (1 Hz);
- Noise Analysis Technology - almost noiseless operation outdoor and indoor units;
- Standby energy consumption of 45 W;
- Temperature operation range from -15°C on heating and up to +48°C on cooling;
- Precise temperature operation mode up to 0,5°C;
- Display indication of inside temperature (actual and presetting);
- System of start-up of compressor without starting currents (below 5A);
- Energy saving operation;
- New generation de-icing automatic safety system Intelligent Preheating. Compare with traditional on time defrosting system new ones will start the process only where there is a need to do it that in turn will save more energy;
- Turbo mode with one press switch on/off to reach max fan velocity to provide more intense inside cooling or heating;
- Delay with start of fan do not allow cold air ventilation under Heating mode;
- Wide angle louvers;
- Self-cleaning of inside unit. After finishing operation of air conditioner the fan does not stop immediately and remove wet from heat exchanger to block mould developing and bacteria generation inside unit;
- SLEEP function mode. Noiseless operation under special program during 8 hours to provide max comfort conditions for sleeping;
- Autoreset function;
- Easy construction for maintenance and cleaning;
- Self-diagnostic of main unit and modes;
- Remote control blocking function;
- Full compliance with EU Energy directive ErP (Energy related Products) N° 626/2011/EU SEER A++ SCOP A++ .



Technical data:

Model			CH-S09FTXG	CH-S12FTXG	CH-S18FTXG	CH-S24FTXG
Capacity	Cold/Heat	kW	2,70 (0,44-3,26)/ 3,60 (0,44-4,20)	3,60 (0,60-4,20)/ 4,12 (0,60-5,25)	5,30 (1,05-6,50)/ 5,70 (1,00-7,00)	6,45 (1,50-7,00)/ 7,00 (1,20-7,80)
Power supply			~ 220-240V/50Hz/1ph			
Nominal capacity	cold/ Heat	kW	0,68 (0,20-1,35)/ 0,87 (0,20-1,45)	0,90 (0,22-1,45)/ 0,99 (0,22-1,55)	1,31 (0,36-2,50)/ 1,35 (0,35-2,60)	1,85 (0,35-2,50)/ 1,98 (0,35-2,70)
Energy level	EER (cold)/ C.O.P. (heat)	kW/kw	3,97/4,2	4,00/4,20	4/4,2	3,78/3,9
SEER/SCOP		kW/kW	7,1(A++)/4,7(A++)	7,1(A++)/4,7(A++)	7,1(A++)/4,6(A++)	6,5(A++)/4,3(A+)
Air flow capacity		m ³ /h	520	560	800	1000
Noise level	in.unit (min/av/ max)/out.unit	dB(A)	24/28/34	25/29/36	29/34/38	31/35/40
		dB(A)	51	53	54	55
Refrigerant			R410A			
Dimensions (width/height/ depth)	in.unit/ out.unit	mm	770x283x201/ 658x550x275	770x283x201/ 658x550x275	865x305x215/ 955x700x396	1008x319x221/ 955x700x396
Weight	in.unit/ out.unit	kg	8/28	9/30	12/52	15/55
Compressor			rotary	rotary	rotary	rotary
Drying rate		lt/h	0,8	1,5	2	2
Temperature operation range		°C	-15/+48	-15/+48	-15/+48	-15/+48
Gas charge volume		kg	0,74	1	1,25	1,4
Diameter of liquide pipeline		mm/inch	6,38/1/4"	6,38/1/4"	6,38/1/4"	6,38/1/4"
Diameter of gas pipeline		mm/	9,53/3/8"	9,52/3/8"	12,7/1/2"	12,7/1/2"
Max height difference of pipeline		m	10	10	10	10
Max length of pipeline		m	15	20	25	25
Distance between fastening bolts of outdoor unit		mm	470	470	560	560



R-410A

A+++

INVERTER

Generation IV

G-Matrik

-25 °C

Model		CH-S09FTXS-B	CH-S09FTXS-W	CH-S09FTXS-M
		Cold/Heat	Cold/Heat	Cold/Heat
Capacity	kW	2,79 (0,76-3,38)/2,9 (0,68-3,97)	2,79 (0,76-3,38)/2,9 (0,68-3,97)	2,79 (0,76-3,38)/2,9 (0,68-3,97)
Power consumption	kW	0,57 (0,2-1,20)/0,58 (0,16-1,25)	0,57 (0,2-1,20)/0,58 (0,16-1,25)	0,57 (0,2-1,20)/0,58 (0,16-1,25)

- Home heat pump. Adapted for operation to heat in northern Europe;
- Temperature operation range from -25°C till +48°C;
- Three design colors of inside units: white (FTXS-W), champagne (FTXS-B), metallic (FTXS-M);
- Highest energy class A+++ Class Energy Efficiency - Generation IV;
- «G-Matrik» technology - smooth and stable operation of compressor on ultralow frequencies (1Hz);
- Range operation between 96V-260V;
- Intellectual defrosting system and evaluating of presence freon in system compressor heating, fan velocity managing of outdoot unit;
- I Feel – integrated tempre taure sensor into r emote control. Precise temperature operation range of 0,5°C;
- Almost noiseless operation on level of 21 dB;
- Slim-design 15,9 cm;
- Safety for you home : +8°C function. Air conditioner will maintain +8°C inside to keep your home warm and use minimum electricity power;
- Cold plazma function - new generation air cleaning technology;
- Standby energy consumption 45 W;
- Full compliance with EU energy directive for ErP (Energy related Products) № 626/2011/EU SEER A+++ and SCOP A+++ .



CH-S12FTXS-B	CH-S12FTXS-W	CH-S12FTXS-M
Cold/Heat	Cold/Heat	Cold/Heat
3,53(0,82-3,97)/3,97(0,74-4,56)	3,53(0,82-3,97)/3,97(0,74-4,56)	3,53(0,82-3,97)/ 3,97(0,74-4,56)
0,77 (0,36-1,30)/0,84 (0,34-1,36)	0,77 (0,36-1,30)/0,84 (0,34-1,36)	0,77 (0,36-1,30)/0,84 (0,34-1,36)

Technical data

Model			CH-S09FTXS-B	CH-S09FTXS-W	CH-S09FTXS-M
Capacity	cold/heat	kW	2,79 (0,76-3,38)/2,9 (0,68-3,97)	2,79 (0,76-3,38)/2,9 (0,68-3,97)	2,79 (0,76-3,38)/2,9 (0,68-3,97)
Power supply			~ 220-240V/50Hz/1ph	~ 220-240V/50Hz/1ph	~ 220-240V/50Hz/1ph
Nominal capacity	cold/heat	kW	0,57 (0,2-1,20)/0,58 (0,16-1,25)	0,57 (0,2-1,20)/0,58 (0,16-1,25)	0,57 (0,2-1,20)/0,58 (0,16-1,25)
Energy level	EER (cold)/ C.O.P. (heat)	kW/kW	4,85/4,95	4,85/4,95	4,85/4,95
SEER/SCOP		kW/kW	8,6(A+++)/4,9(A++)	8,6(A+++)/4,9(A++)	8,6(A+++)/4,9(A++)
Aiflow		m ³ /h	550	550	550
Noise level	in.unit (min/av/max)/ out.unit	dB	21/25/27/29/32/34/38/ 50	21/25/27/29/32/34/38/ 50	21/25/27/29/32/34/38 50
Refrigerant			R410A		
Dimensions (width/height/ depth)	in.unit/out.unit	mm	896x320x159/724x540x320	896x320x159/724x540x320	896x320x159/724x540x320
Weight	in.unit/out.unit	kg	11,5/29	11,5/29	11,5/29
Compressor			rotary	rotary	rotary
Diameter of liquide pipeline		mm/inch	6/1/4"	6/1/4"	6/1/4"
Diameter of gas pipeline		mm/inch	9,53/3/8"	9,53/3/8"	9,53/3/8"
Distance between fasting bolts of out.unit		mm	510		
Model			CH-S12FTXS-B	CH-S12FTXS-W	CH-S12FTXS-M
Capacity	cold/heat	kW	3,53(0,82-3,97)/3,97(0,74-4,56)	3,53(0,82-3,97)/3,97(0,74-4,56)	3,53(0,82-3,97)/ 3,97(0,74-4,56)
Power supply			~ 220-240V/50Hz/1ph	~ 220-240V/50Hz/1ph	~ 220-240V/50Hz/1ph
Nominal capacity	cold/heat	kW	0,77(0,36-1,30)/0,84(0,34-1,36)	0,77(0,36-1,30)/0,84(0,34-1,36)	0,77(0,36-1,30)/0,84(0,34-1,36)
Energy level	EER (cold)/ C.O.P. (heat)	kW/kW	4,61/4,71	4,61/4,71	4,61/4,71
SEER/SCOP		kW/kW	8,6(A+++)/4,9(A++)	8,6(A+++)/4,9(A++)	8,6(A+++)/4,9(A++)
Air flow capacity		m ³ /h	550	550	550
Noise level	in.unit (min/av/ max)/ out.unit	dB	23/25/28/31/34/36/39 52	23/25/28/31/34/36/39 52	23/25/28/31/34/36/39 52
Refrigerant			R410A		
Dimensions (width/height/ depth)	in.unit/out.unit	mm	896x320x159/724x540x320	896x320x159/724x540x320	896x320x159/724x540x320
Weight	in.unit/out.unit	kg	11,5/40	11,5/40	11,5/40
Compressor			rotary	rotary	rotary
Diameter of liquide pipeline		mm/inch	6/1/4"	6/1/4"	6/1/4"
Diameter of gas pipeline		mm/inch	12,7/1/2"	12,7/1/2"	12,7/1/2"
Distance between fastening bolts of out.unit		mm	540		



R-410A

A++

INVERTER

Generation III

G-Matrik



Model		CH-S09FTXN	CH-S12FTXN	CH-S18FTXN	CH-S24FTXN
		cold /Heat	Cold /Heat	Cold /Heat	Cold /Heat
Capacity	kW	2,70 (0,44-3,26)/ 3,60 (0,44-4,20)	3,60 (0,60-4,05)/ 4,12 (0,60-5,25)	5,30 (1,05-6,50)/ 5,70 (1,00-7,00)	6,45 (1,50-7,00)/ 7,00 (1,20-7,80)
Nominal capacity	kW	0,68 (0,20-1,35)/ 0,87 (0,20-1,45)	0,90 (0,22-1,45)/ 0,99 (0,22-1,55)	1,31 (0,36-2,50)/ 1,35 (0,35-2,60)	1,85 (0,35-2,50)/ 1,98 (0,35-2,70)

- Home heat pump. Adapted to work on heating in Northern Europe;
 - Increased duty;
 - New inverter technology under Daikin licence;
 - Premium set line Generation III;
 - Heating operations from - 20°C;
 - Cold plasma function mode is the new air cleaning technology;
 - Safety start -up and operation between 96V and 260V;
 - G-Matrik technology - smooth and stable compressor operation under ultralow frequencies (1Hz);
 - Noise Analysis Technology;
 - Standby energy consumption of 45W;
 - Precise temperature operation range within 0,5°C;
 - Display inside temperature indication (actual and preset);
 - System of compressor start without starting currents (below 5A);
 - Energy saving operation;
 - Self-cleaning of inside unit. After finishing operation of air conditioner the fan does not stop immediately and remove wet from heat exchanger to block mould developing and bacteria generation inside unit;
 - Turbo mode. On/off by one press to get max fan velocity for cooling or heating
Hot start function-delay fan start operation to escape cool air flow during
 - heating mode;
 - Wide angle louvers;
 - Comfort SLEEP operation mode .Noiseless operation under special program during 8 hours to provide max comfort sleeping;
 - Easy and removable for cleaning and installation;
 - Autoreset function;
 - Self-diagnostic of main units and modes;
- Full compliance within EU Energy directive ErP (Energy related Products) N° 626/2011/EU
SEER A++ SCOP A++.



Technical data:

Model			CH-S09FTXN	CH-S12FTXN	CH-S18FTXN	CH-S24FTXN
Capacity	Cold/Heat	kW	2,70 (0,44-3,26)/ 3,60 (0,44-4,20)	3,60 (0,60-4,05)/ 4,12 (0,60-5,25)	5,30 (1,05-6,50)/ 5,70 (1,00-7,00)	6,45 (1,50-7,00)/ 7,00 (1,20-7,80)
Power supply 1 phase			~ 220-240V/50Hz/			
Nominal capacity	Cold/Heat	kW	0,68 (0,20-1,35)/ 0,87 (0,20-1,45)	0,90 (0,22-1,45)/ 0,99 (0,22-1,55)	1,3 (0,36-2,50)/ 1,35 (0,35-2,60)	1,85 (0,35-2,50)/ 1,98 (0,35-2,70)
energy level	EER (cold)/ C.O.P. (heat)	kW/kW	3,97/4,20	4,00/4,20	4,00/4,20	3,78/3,90
SEER/SCOP)		kW/kW	7,4(A++)/4,63(A++)	7,1(A++)/4,7(A++)	7,1(A++)/4,6(A++)	6,5(A++)/4,3(A+)
Air flow capacity		m ³ /h	520	560	800	1000
Noise level	in.unit (min/ av/max)/ out.unit	dB(A)	24/28/34/ 51	25/29/36/ 53	29/34/38/ 54	31/35/40 55
Refrigerant			R410A			
Dimensions (width/height/depth)	in.unit/ out.unit	mm	770x283x201/ 658x550x275	770x283x201/ 658x550x275	865x305x215/ 955x700x396	1008x319x221/ 955x700x396
Weight	in.unit/ out.unit	kg	8/28	9/30	12/52	15/55
Compressor			rotary	rotary	rotary	rotary
drying rate		lt/h	0,80	1,50	2,00	2,00
Temperature operation range		°C	-20/+48	-20/+48	-20/+48	-20/+48
Gas charge volume		kg	0,74	1,00	1,25	1,40
Diameter of liquide pipeline		mm/inch	6,38/1/4"	6,38/1/4"	6,38/1/4"	6,38/1/4"
Diameter of gas pipeline		mm/inch	9,53/3/8"	9,53/3/8"	12,7/1/2"	12,7/1/2"
Max height difference of pipeline		m	5	5	10	10
Max length of pipeline		m	15	15	25	25
Distance betweenfastening bolts of outside unit		mm	470	470	550	560



- Easy installation;
- Compact design
- Low noise fan
- Long-lasting washable filter
- effective heat transfer of indoor unit
- Self-diagnostic mode
- Blocking from wrong voltage connection
- Length of pipeline up to 50 m

R-410A

INVERTER



Model	CH-ID09NK / CH-IU09NK	CH-ID12NK / CH-IU12NK	CH-ID18NK / CH-IU18NK	CH-ID24NK / CH-IU24NK	CH-ID30NK / CH-IU30NK	CH-ID36NK / CH-IU36NM	CH-ID48NK / CH-IU48NM	CH-ID60NK / CH-IU60NM	
Capacity	kW 2,7(1,15-3)/ 2,9(1-3)	3,50 (1,60-3,60)/ 3,80 (1,60-4,00)	5,30 (1,60-5,80)/ 6,15 (1,40-6,50)	7,00 (2,00-7,70)/ 7,50 (2,40-8,00)	8,2(2,7-8,3)/ 8,8(2-9,3)	10,30 (3,50- 11,50)/ 11,50 (3,80-12,80)	14,00 (4,00-14,30)/ 16,50 (5,20-18,00)	17,00 (5,00-17,50)/ 18,00 (5,00-18,80)	
Voltage	~ 220-240В/50Гц/1Ф			~ 380-415В/50Гц/3Ф					
Nominal capacity	cold kW 0,83(0,36-1,25)/ 0,8(0,34-1,1)	1,08 (0,48-1,12)/ 0,98 (0,40-1,18)	1,65 (0,55-1,75)/ 1,70 (0,50-1,90)	2,18 (0,85-2,50)/ 2,07 (0,80-2,65)	2,55(0,84-3,2)/ 2,43(0,80-2,75)	3,2 (1,35-4,10)/ 3,18 (1,22-3,68)	4,35 (1,60-5,36)/ 4,50 (1,44-5,32)	5,29 (1,68-6,38)/ 4,98 (1,40-5,46)	
Current power	cold heat	A 3,7(1,6-5,5) 3,6(1,5-4,8)	4,80 (2,10-4,90) 4,30 (1,80-5,20)	7,00 (2,30-7,50) 7,30 (2,10-8,20)	9,60 (3,70-11,10) 9,10 (3,50-11,80)	11,2(3,7-14,2) 10,7(3,5-12,2)	4,80 (2,10-6,10) 4,70 (1,90-5,50)	6,40 (2,50-8,00) 6,70 (2,20-8,00)	7,80 (2,60-9,50) 7,40 (2,20-8,20)
Energy	cool/ heat	EER/ COP 3,25/3,61	3,25/3,9	3,21/3,62	3,21/3,62	3,22/3,62	3,21/3,61	3,22/3,67	3,21/3,61
Airflow capacity	in. unit	m ³ /h 600/700/800	640/740/840	600/800/1000	1200/1400/1600	1100/1300/1500	1850/2110/2300	2100/2300/2500	2600/2900/3150
Pressure	in. unit	Pa 25	25	25	100	100	150	150	150
Noise level	in. unit out. unit	dB(A) 33/35/37 53	33/35/37 54	36/38/42 57	42/44/47 59	42/44/47 59	46/50/53 61	46/50/53 61	48/51/54 63
Refrigerant	R410A								
Volume of refrigerant	kg	1,2	1,35	1,4	2,4	2,6	3,8	4,3	5,5
Dimensions (width/height/depth)	in. unit/ out. unit	mm 880x250x665/ 776x540x320	980x266x721/ 776x540x320; 955x700x396	1270x268x530/ 980x790x427	1270x268x530/ 980x427x790	1226x290x775/ 1107x1100x440	1226x330x815; 1463x389x799/ 1085x1365x427		
Weight	in. unit/ out. unit	kg 28/32	34/30	34/48	37/65	36/68	57/92	64/116	87/121
Temperature range	cool heat	°C -15/+48							°C -20/+24
Diameter of liquid pipeline	mm/ inch	6,35 / 1/4"	6,35 / 1/4"	6,35 / 1/4"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"
Diameter of gas pipeline	mm/ inch	9,53 / 3/8"	9,53 / 3/8"	12,70 / 1/2"	15,88 / 5/8"	15,88 / 5/8"	15,88 / 5/8"	15,88 / 5/8"	19,05 / 3/4"
Max height difference pipeline	m	15	15				30		
Max pipeline length	m	20			30			50	
Difference between factening bolts of outdoor unit	mm	510	510	560	610	610	631	620	620
Number of conductors between units (for managing)	2*0,75 - if length up to 20 m				2*1,0 - if length up to 20 m				
Place of power supply	Outdoor.								
Number of conductors (power supply out./in.)		3(Ø1,0mm,)/ 3(Ø1,5mm,)	3(Ø1,0mm,)/ 3(Ø1,5mm,)	3(Ø1,0mm,)/ 3(Ø1,5mm,)	3(Ø1,0mm,)/ 3(Ø1,5mm,)	3(Ø1,0mm,)/ 3(Ø1,5mm,)	3(Ø1,0mm,)/ 5(Ø1,5mm,)	3(Ø1,0mm,)/ 5(Ø1,5mm,)	3(Ø1,0mm,)/ 5(Ø1,5mm,)
Refrigerant charge (on number linear meters)	l.m.	7							
Weight of refrigerant charge on l.m. (in incrementation on each linear meter)	gramm /l.m.	30	30	30	60	60	60	60	60



- Easy installation;
- Compact design;
- Drainage pump;
- Low noise fan;
- Long-lasting washable filter;
- Automatic air distribution in Swing mode;
- High efficiency heat transfer;
- Self-diagnostic of main units and operation modes;
- Multilevel safety system;
- Intellectual defrosting mode;
- Pipeline length up to 50 m;

R-410A

INVERTER



Technical data

Модель			CH-IC12NK / CH-IU12NK	CH-IC18NK / CH-IU18NK	CH-IC24NK / CH-IU24NK	CH-IC36NK / CH-IU36NM	CH-IC42NK / CH-IU42NM	
Capacity	cold	kW	3,40 (1,60-3,60)	5,30 (1,90-5,50)	7,00 (2,40-8,30)	10,00 (3,00-11,50)	11,00 (3,50-13,00)	
	cold	kW	3,70 (1,60-4,00)	6,15 (1,50-6,60)	8,00 (2,40-8,50)	11,00 (3,50-12,80)	12,00 (3,80-14,50)	
Voltage supply			~ 220-240В/50Гц/1Φ			~ 380-415В/50Гц/3Φ		
Nominal capacity	cool/ heat	kW	1,03 (0,43-1,35)/ 1,03 (0,39-1,20)	1,65 (0,55-1,75)/ 1,70 (0,50-1,90)	2,18 (0,85-2,50)/ 2,21 (0,80-2,78)	3,12 (1,02-4,10)/ 3,05 (0,90-3,52)	3,42 (1,04-4,32)/ 3,32 (0,92-4,02)	
Current power	cool/ heat	A	4,60 (1,90-5,90)/ 4,60 (1,70-5,30)	7,00 (2,30-7,50)/ 7,30 (2,10-8,20)	9,60 (3,70-11,10)/ 9,80 (3,50-12,30)	4,60 (1,60-6,10)/ 4,50 (1,40-5,70)	5,50 (1,60-6,50)/ 5,00 (1,40-6,00)	
Energy	cool/ heat	EER/ COP	3,3/ 3,61	3,21/ 3,62	3,21/ 3,62	3,21/ 3,61	3,21/ 3,61	
Air flow power	in. unit	m ³ /h	350/450/550	1000/1080/1180	1170/1270/1400	1500/1570/1660	1500/1570/1660	
Noise level	in. unit/ out. unit	dB(A)	43/45/47 54	43/45/47 57	48/49/51 59	48/51/53 61	48/51/53 61	
Refrigerant			R410A					
Volume refrigerant		kg	1,35	1,4	2,4	3,8	3,8	
Dimensions (width/height/depth)	in. unit	mm	600x600x230	840x840x240		840x840x320		
	out. unit	mm	650x650x50	950x950x60				
	in. unit	mm	776x540x320	955x700x396	980x790x427	1107x1100x440		
Weight	in. unit/ out. unit	kg	20/30	27/48	27/65	32/92	32/92	
Temperature range	cold/ heat	°C	-15/+48 -20/+24					
Diameter of liquid pipeline		mm/inch	6,35 / 1/4"	6,35 / 1/4"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"	
Diameter of gas pipeline		mm/inch	9,53 / 3/8"	12,70 / 1/2"	15,88 / 5/8"	15,88 / 5/8"	15,88 / 5/8"	
Max height difference pipeline		m	15					30
Max pipeline length		m	20		30		50	
Difference between factening bolts of outdoor unit		mm	510	560	610	631	631	
Number of conductors between units (for managing)			2*0,75 - if length up to 20 m			2*1,0 - if length up to 20 m		
Place of power supply			Outdoor.					
Number of conductors (power supply out./in.)			3(ø1,0MM,)/ 3(ø1,5MM,)	3(ø1,0MM,)/ 3(ø1,5MM,)	3(ø1,0MM,)/ 3(ø1,5MM,)	3(ø1,0MM,)/ 5(ø1,5MM,)	3(ø1,0MM,)/ 5(ø1,5MM,)	
Refrigerant charge (on number linear meters)		I.m.	7					
Weight of refrigerant charge on I.m. (incrementation on each linear meter)		gramm/I.m.	30	30	60	60	60	



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- Drainage pump;
- Low noise fan;
- Long-lasting washable filter;
- Automatic air distribution in Swing mode;
- High efficiency heat transfer;
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- Multi-level safety system;
- Intellectual defrosting;
- Pipeline length up to 50 m.

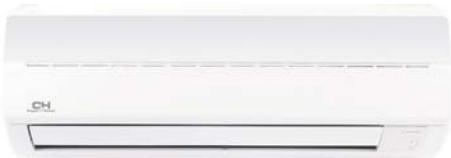
R-410A

INVERTER



Technical data

Модель			CH-IF12NK / CH-IU12NK	CH-IF18NK / CH-IU18NK	CH-IF24NK / CH-IU24NK	CH-IF36NK / CH-IU36NM	CH-IF48NK / CH-IU48NM	CH-IF60NK / CH-IU60NM
Capacity	cold	kW	3,40 (1,60-3,60)/ 3,80 (1,36-4,10)	5,30 (1,30-5,50)/ 6,15 (1,50-6,60)	7,00 (3,00-7,80)/ 8,00 (2,40-8,50)	10,50 (3,50- 13,00)/ 11,50 (3,50- 12,50)	14,00 (4,00-14,30)/ 16,50 (5,20- 18,40)	16,00 (5,00-16,50)/ 17,50 (4,50-18,30)
	cold	kW						
Voltage supply			~ 220-240В/50Гц/1Ф			~ 380-415В/50Гц/3Ф		
Nominal capacity	cool/ heat	kW	1,06 (0,39-1,28)/ 0,93 (0,34-1,04)	1,65 (0,55-1,75)/ 1,70 (0,50-1,90)	2,18 (0,85-2,50)/ 2,21(0,80-2,78)	3,27 (1,08-4,00)/ 3,18 (0,96-3,75)	4,20 (1,42-5,14)/ 4,40 (1,28-5,25)	4,98 (1,52-6,04)/ 4,84 (1,29-6,33)
	cool/ heat	A	4,70 (1,70-5,60)/ 4,10 (1,50-4,60)	7,00 (2,30-7,50)/ 7,30 (2,10-8,20)	9,60 (3,70-11,10)/ 9,80 (3,50-12,30)	4,90 (1,70 -6,00)/ 4,70 (1,50-5,60)	6,21 (2,20-7,70)/ 6,50 (2,00-7,80)	7,40 (2,30-9,00)/ 7,20 (2,00-9,50)
Energy	cool/ heat	EER/ COP	3,21/4,1	3,21 3,62	3,21 3,62	3,21 3,61	3,33 3,75	3,21 3,62
	Air flow power	in. unit	500/600/700	700/800/900	900/1050/1200	1520/1630/2000	1900/2100/2300	1900/2100/2300
Noise level	in. unit/ out. unit	dB(A)	35/37/39 54	39/42/45 57	46/49/52 59	48/51/54 61	52/55/58 61	52/55/58 63
	Refrigerant		R410A					
Volume refrigerant		kg	1,35	1,4	2,4	3,8	4,3	5,5
Dimensions (width/height/depth)	in. unit/ out. unit	mm	1220×700×225/ 776×540×320	1220×700×225/ 955×700×396	1220×700×225/ 980×790×427	1420×700×245/ 1107×1100×440	1700×700×245/ 1085×1365×427	
	Weight	in. unit/ out. unit	kg	40/30	42/48	43/65	53/92	64/116
Temperature range	cold/ heat	°C	-15/+48/-20/+24					
	Diameter of liquid pipeline	mm/ inch	6,35 / 1/4"	6,35 / 1/4"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"	9,53 / 3/8"
Diameter of gas pipeline	mm/ inch	9,53 / 3/8"	12,70 / 1/2"	15,88 / 5/8"	15,88 / 5/8"	15,88 / 5/8"	19,05 / 3/4"	
Max height difference pipeline	m	15						30
Max pipeline length	m	20			30		50	
Difference between factening bolts of outdoor unit	mm	510	560	610	631	620	620	
Number of conductors between units (for managing)	2*0,75 - if length up to 20 m			2*1,0 - if length up to 20 m				
Place of power supply	Outdoor.							
Number of conductors (power supply out./in.)	3(Ø1,0MM,)/ 3(Ø1,5MM,)		3(Ø1,0MM,)/ 3(Ø1,5MM,)		3(Ø1,0MM,)/ 3(Ø1,5MM,)		3(Ø1,0MM,)/ 5(Ø1,5MM,)	
Refrigerant charge (on number linear meters)	I.m.	7						
Weight of refrigerant charge on I.m. (incrimination on each linear meter)	gramm/I.m.	30			30	60	60	60





Distributor

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