

MULTY SPLIT AIR CONDITIONING SYSTEM

NORDIC MULTI LIGHT SERIES

INVERTER



The outdoor units have the production capacity from 14 000 to 42 000 BTU



USA

EUROPE

ASIA

CIS

NORDIC MULTI LIGHT

TECHNICAL CHARACTERISTICS:

Outdoor units



Model			CHML- U14NK2	CHML- U18NK3	CHML- U21NK3	CHML- U24NK3	CHML- U28NK4	CHML- U36NK4	CHML- U42NK5
Number of the connected indoor units			1-2	1-2	2-3	2-3	2-4	2-4	2.5
Capacity	Cold	kW	4.10(2.10-4.70)	5.00(2.10-6.21)	6.1(2.70-8.21)	7.03(2.20-10.00)	8.00(2.20-10.00)	9.80(3.00-10.00)	11.58(3.50-13.60)
	Warm	kW	4.40(2.50-5.51)	5.57(2.50-6.65)	6.5(3.50-9.50)	8.50(3.60-11.00)	9.38(2.81-11.00)	11.00(4.50-12.00)	13.00(4.48-14.00)
Electric power supply			~ 220-240V/50Hz/3Ph						
Air productive capacity		m³/h	2600	3200	3200	4000	4000	5200	5500
Sound-pressure level		dB(A)	55	56	56	58	58	57	54
Dimensions (width/depth/height)		mm	899x378x596	955x396x700	955x396x700	980x427x790	980x427x790	1015x440x1103	1015x440x1103
Weight		kg	43	50	51	68	69	94	102
Operational temperature	Cold	°C	-15/+43					-5/+48	
Operational temperature	Warm	°C	-20/+24					-15/+27	
Pipeline maximum length (total for the system/till the one block)		m	20/10		60/20		70/20		80/25
Maximum pipeline elevation difference (between indoor and outdoor/between indoor)		m	10/5					15/7.5	
Distance between the fastening bolts of the outdoor unit		mm	550	550	560	560	560	572	631

Indoor units

Wall-mounted units

VIP Inverter



Model	CHML-IW09VVK			CHML-IW12VVK	CHML-IW18VVK
Capacity	Cold	kW	2.64	3.52	5.27
	Warm	kW	2.99	3.60	5.27
Air productive capacity			650	720	850
Sound-pressure level		dB(A)	41/37/35/33/30/22/19	43/38/36/34/31/23/20	46/42/40/36/33/25/22
Dimensions (width/height/depth)		mm	899x596x378	899x596x378	950x700x396
Weight		kg	12.5		14
Liquid pipeline diameter		mm/inch	6.35 / 1/4"		
Gas pipeline diameter		mm/inch	12.7 / 1/2"		

Premium Inverter



Model	CHML-IW07DNK		CHML-IW09DNK	CHML-IW12DNK	CHML-IW18DNK
Capacity	Cold	kW	2.1	2.64	5.28
	Warm	kW	2.2	2.87	5.63
Air productive capacity		m³/h	450	450	850
Sound-pressure level		dB(A)	25/26/28/30/32/35/37	22/25/27/29/32/34/38	23/25/28/31/34/36/39
Dimensions (width/depth/height)		mm	860x153x299	860x153x299	998x178x340
Weight		kg	9.5	9.5	15
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.70 / 1/2"

Cozy



Model	CHML-IW09CNK		CHML-IW12CNK	CHML-IW18CNK
Capacity	Cold	kW	2.61	3.49
	Warm	kW	2.81	3.81
Air productive capacity		m³/h	500	630
Sound-pressure level		dB(A)	-/28/31/34/37	-/30/32/34/38
Dimensions (width/depth/ height)		mm	790x170x265	845x180x275
Weight		kg	9	10
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"

DCInverter



Model	CHML-IW07INK		CHML-IW09INK	CHML-IW12INK	CHML-IW18INK
Capacity	Cold	kW	2.11	2.61	5.30
	Warm	kW	2.61	2.81	5.80
Air productive capacity		m³/h	550	600	800
Sound-pressure level		dB(A)	-/24/30/38/40	-/24/30/38/41	-/25/31/39/42
Dimensions (width/depth/height)		mm	770x201x283	770x201x283	865x215x305
Weight		kg	8	8	12
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.70 / 1/2"

Floor-ceiling type units



Model			CHML-IF09NK	CHML-IF12NK	CHML-IF18NK	CHML-IF24NK
Capacity	Cold	kW	2.50	3.50	5.00	7.10
	Warm	kW	2.80	3.85	5.50	8.00
Air productive capacity		m³/h	650	650	950	1250
Sound-pressure level		dB(A)	36/40	36/40	40/45	44/48
Dimensions (width/depth/height)		mm	1220x225x700	1220x225x700	1220x225x700	1220x225x700
Weight		kg	40	40	40	45
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"	9.53 / 3/8"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.70 / 1/2"	15.88 / 5/8"

Console type units



Model			CHML-IK09NK	CHML-IK12NK	CHML-IK18NK
Capacity	Cold	kW	2.61	3.49	5.30
	Warm	kW	2.81	3.81	5.80
Air productive capacity		m³/h	480	550	650
Sound-pressure level		dB(A)	24/26/30/33/36/38/40	26/32/35/37/38/40/42	32/35/37/41/44/46/48
Dimensions (width/depth/height)		mm	700x215x600	700x215x600	700x215x600
Weight		kg	15	15	15
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.70 / 1/2"

Cassette type units



Model			CHML-IC12NK	CHML-IC18NK	CHML-IC24NK
Capacity	Cold	kW	3.50	4.50	7.10
	Warm	kW	4.00	5.00	8.00
Air productive capacity		m³/h	600	600	1180
Sound-pressure level		dB(A)	41/47	41/47	35/39
Dimensions (width/depth/height)	indoor unit	mm	570x570x230	570x570x230	840x840x240
	panel	mm	650x650x50	650x650x50	950x950x60
Weight (cassette/panel)		kg	18/2.5	18/2.5	30/6.5
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	9.53 / 3/8"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	12.70 / 1/2"	15.88 / 5/8"

Duct type units



Model			CHML-ID09NK	CHML-ID12NK	CHML-ID18NK	CHML-ID21NK	CHML-ID24NK
Capacity	Cold	kW	2.50	3.50	5.00	6.00	7.10
	Warm	kW	2.80	3.85	5.50	6.60	8.00
Air productive capacity		m³/h	450	500	700	1000	1000
Sound-pressure level		dB(A)	31/37	32/39	33/41	34/42	34/42
Dimensions (width/depth/height)		mm	700x615x200	700x615x200	900x615x200	1100x615x200	1100x615x200
Weight		kg	22	23	27	31	31
Liquid pipeline diameter		mm/inch	6.35 / 1/4"	6.35 / 1/4"	6.35 / 1/4"	9.53 / 3/8"	9.53 / 3/8"
Gas pipeline diameter		mm/inch	9.53 / 3/8"	9.53 / 3/8"	12.70 / 1/2"	15.88 / 5/8"	15.88 / 5/8"

COMBINATIONS OF OUTDOOR UNITS

8 combinations

 CHML-U14NK2(1to2)	One unit	Two units	
	7	7+7	7+9
	9	7+12	9+9
	12	9+12	

10 combinations

 CHML-U18NK3(1to2)	One unit	Two units		
	7	7+7	7+18	12+12
	9	7+9	9+9	
	12	7+12	9+12	

18 combinations

 CHML-U21NK3(2to3)	Two units		Three units	
	7+7	7+9	7+7+7	7+7+9
	7+12	7+18	7+7+12	7+9+9
	9+9	9+12	7+9+12	7+12+12
	9+18	12+12	9+9+9	9+9+12
	12+18		12+12+12	

23 combinations

 CHML-U24NK3(2to3)	Two units		Three units		
	7+7	7+9	7+7+7	7+7+9	7+7+12
	7+12	7+18	7+7+18	7+9+9	7+9+12
	9+9	9+12	7+9+18	7+12+12	9+9+9
	9+18	12+12	9+9+12	9+9+18	9+12+12
	12+18	18+18	12+12+12		

40 combinations

 CHML-U28NK4(2to4)	Two units		Three units			Four units		
	7+7	7+9	7+7+7	7+7+9	7+7+12	7+7+7+7	7+7+7+9	7+7+7+12
	7+12	7+18	7+7+18	7+9+9	7+9+12	7+7+7+18	7+7+9+9	7+7+9+12
	9+9	9+12	7+9+18	7+12+12	7+12+18	7+7+9+18	7+7+12+12	7+9+9+9
	9+18	12+12	9+9+9	9+9+12	9+9+18	7+9+9+12	7+9+12+12	9+9+9+9
	12+18	18+18	9+12+12	9+12+18	12+12+12	9+9+9+12	9+9+12+12	
			12+12+18					

96 combinations

 CHML-U36NK4(2to4)	Two units		Three units			Four units		
	7+12	7+18	7+7+7	7+7+9	7+7+12	7+7+7+7	7+7+7+9	7+7+7+12
	7+21	7+24	7+7+18	7+7+21	7+7+24	7+7+7+18	7+7+7+21	7+7+7+24
	9+9	9+12	7+9+9	7+9+12	7+9+18	7+7+9+9	7+7+9+12	7+7+9+18
	9+18	9+21	7+9+21	7+9+24	7+12+12	7+7+9+21	7+7+9+24	7+7+12+12
	9+24	12+12	7+12+18	7+12+21	7+12+24	7+7+12+18	7+7+12+21	7+7+18+18
	12+18	12+21	7+18+18	7+18+21	7+18+24	7+9+9+9	7+9+9+12	7+9+9+18
	12+24	18+18	7+21+21	9+9+9	9+9+12	7+9+9+21	7+9+9+24	7+9+12+12
	18+21	18+24	9+9+18	9+9+21	9+9+24	7+9+12+18	7+9+12+21	7+9+18+18
	21+21	21+24	9+12+12	9+12+18	9+12+21	7+12+12+12	7+12+12+18	9+9+9+9
	24+24		9+12+24	9+18+18	9+18+21	9+9+9+12	9+9+9+18	9+9+9+21
			9+18+24	9+21+21	12+12+12	9+9+9+24	9+9+12+12	9+9+12+18
			12+12+18	12+12+21	12+12+24	9+9+12+21	9+9+18+18	9+12+12+12
			12+18+18	12+18+21	18+18+18	9+12+12+18	12+12+12+12	

199 combinations

 CHML-U42NK5(2to5)	Two units		Three units			Four units				Five units			
	7+18	7+21	7+7+7	7+7+9	7+7+12	7+7+7+7	7+7+7+9	7+7+7+12	7+7+7+18	7+7+7+7+7	7+7+7+7+9	7+7+7+7+12	7+7+7+7+18
	7+24	9+12	7+7+18	7+7+21	7+7+24	7+7+7+21	7+7+7+24	7+7+9+9	7+7+9+12	7+7+7+7+21	7+7+7+7+24	7+7+7+9+9	7+7+7+9+12
	9+18	9+21	7+9+9	7+9+12	7+9+18	7+7+9+18	7+7+9+21	7+7+9+24	7+7+12+12	7+7+7+9+18	7+7+7+9+21	7+7+7+9+24	7+7+7+12+12
	9+24	12+12	7+9+21	7+9+24	7+12+12	7+7+12+18	7+7+12+21	7+7+12+24	7+7+18+18	7+7+7+12+18	7+7+7+12+21	7+7+7+12+24	7+7+7+18+18
	12+18	12+21	7+12+18	7+12+21	7+12+24	7+7+18+21	7+7+18+24	7+7+21+21	7+7+21+24	7+7+7+18+21	7+7+9+9+9	7+7+9+9+12	7+7+9+9+18
	12+24	18+18	7+18+18	7+18+21	7+18+24	7+9+9+9	7+9+9+12	7+9+9+18	7+9+9+21	7+7+9+9+21	7+7+9+9+24	7+7+9+12+12	7+7+9+12+18
	18+21	18+24	7+21+21	7+21+24	7+24+24	7+9+9+24	7+9+12+12	7+9+12+18	7+9+12+21	7+7+9+12+21	7+7+9+12+24	7+7+9+18+18	7+7+12+12+12
	21+21	21+24	9+9+9	9+9+12	9+9+18	7+9+12+24	7+9+18+18	7+9+18+21	7+9+18+24	7+7+12+12+18	7+7+12+12+21	7+7+12+18+18	7+9+9+9+9
	24+24		9+9+21	9+9+24	9+12+12	7+9+21+21	7+9+21+24	7+12+12+12	7+12+12+18	7+9+9+9+12	7+9+9+9+18	7+9+9+9+21	7+9+9+9+24
			9+12+18	9+12+21	9+12+24	7+12+12+21	7+12+12+24	7+12+18+18	7+12+18+21	7+9+9+12+12	7+9+9+12+18	7+9+9+12+21	7+9+9+12+24
			9+18+18	9+18+21	9+18+24	7+12+18+24	7+12+21+21	7+18+18+18	9+9+9+9	7+9+9+18+18	7+9+12+12+12	7+9+12+12+18	7+9+12+12+21
			9+21+21	9+21+24	9+24+24	9+9+9+12	9+9+9+18	9+9+9+21	9+9+9+24	7+12+12+12+12	7+12+12+12+18	9+9+9+9+9	9+9+9+9+12
			12+12+12	12+12+18	12+12+21	9+9+12+12	9+9+12+18	9+9+12+21	9+9+12+24	9+9+9+9+18	9+9+9+9+21	9+9+9+9+24	9+9+9+12+12
			12+12+24	12+18+18	12+18+21	9+9+18+18	9+9+18+21	9+9+18+24	9+9+21+21	9+9+9+12+18	9+9+9+12+21	9+9+9+18+18	9+9+12+12+12
			12+18+24	12+21+21	12+21+24	9+12+12+12	9+12+12+18	9+12+12+21	9+12+12+24	9+9+12+12+18	9+9+12+12+21	9+12+12+12+12	9+12+12+12+18
			12+24+24	18+18+18	18+18+21	9+12+18+18	9+12+18+21	9+12+21+21	9+18+18+18	12+12+12+12+12			
			18+18+24	18+21+21	21+21+21	12+12+12+12	12+12+12+18	12+12+12+21	12+12+12+24				
						12+12+18+18	12+12+18+21						