



Climaveneta's range of small to medium sized i-NX Cooling Only chillers efficiently and easily adapt to a wide range of cooling capacities. The super low noise variant offers up to a 7dB(A) reduction against the baseline model.

With the exclusive 1 + i philosophy both the fixed speed scroll compressor and the scroll inverter compressor are combined in the same circuit. This technology ensures maximum benefit in terms of efficiency at partial loads compared to a solution with separate circuits. In different load conditions, only the most efficient combination of compressors required for optimum adaptation to the system load conditions is called upon.

Key Features

- High Efficiency - inverter driven scroll compressor
- Aluminium microchannel Coils
- Wide operating range
- Available with EC fans
- ERP 2021 compliant
- Available with hydronic module



Chillers

Product Information

i-NX - Low Noise Version
Air Cooled Chiller range
Three Phase (42.6-124kW)

Making a
World of
Difference



MODEL		i-NX SL 0151P	i-NX SL 0182P	i-NX SL 0202P	i-NX SL 0262P	i-NX SL 0302P	i-NX SL 0352P	i-NX SL 0402P	i-NX SL 0502P
POWER SUPPLY	V / ph / Hz	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3+N/50	400/3/50	400/3/50	400/3/50
PERFORMANCE									
COOLING CAPACITY ^{*1}	kW	42.6	51.2	60.1	68.1	81.2	96.7	115	124
TOTAL POWER INPUT ^{*1}	kW	14.4	17.8	20.9	24.5	28.3	33.9	39.3	44.3
EER ^{*1}		2.96	2.88	2.88	2.78	2.87	2.85	2.93	2.81
ESEER ^{*1}		4.48	4.58	4.49	4.55	4.54	4.75	4.78	4.7
COOLING ONLY (EN14511 VALUE)									
COOLING CAPACITY ^{*1,2}	kW	42.3	50.9	59.8	67.7	80.8	96.3	115	124
EER ^{*1,2}		2.89	2.81	2.81	2.73	2.82	2.8	2.88	2.76
ESEER ^{*1,2}		4.21	4.26	4.2	4.25	4.26	4.48	4.5	4.43
COOLING ENERGY CLASS		C	C	C	C	C	C	C	C
SEASONAL EFFICIENCY IN COOLING (REG.EU 2016/2281) - AVERAGE CLIMATE CONDITIONS									
SEER		4.18	4.1	4.11	4.17	4.22	4.46	4.5	4.48
PERFORMANCE (η _s) ^{*3}	%	164	161	162	164	166	176	177	176
HEAT EXCHANGER (USER SIDE)									
WATER FLOW ^{*1}	l/s	2.04	2.45	2.87	3.26	3.88	4.62	5.5	5.95
MIN. SYSTEM WATER CONTENT	l	149	179	210	238	284	338	403	434
PRESSURE DROP	kPa	9.5	13.1	16.8	11.5	15.7	22.5	21.2	27.1
INLET / OUTLET CONNECTION SIZE	in	1 1/2" VICTAULIC	1 1/2" VICTAULIC	1 1/2" VICTAULIC	2" VICTAULIC	2" VICTAULIC	2" VICTAULIC	2 1/2" VICTAULIC	2 1/2" VICTAULIC
REFRIGERANT CIRCUIT									
COMPRESSORS	N°	1	2	2	2	2	2	2	2
CIRCUITS	N°	1	1	1	1	1	1	1	1
REGULATION		STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
MIN. CAPACITY STEP	%	30	23	20	23	20	24	21	19
REFRIGERANT CHARGE R410A	kg	8.1	8.3	8.7	9.2	11.8	12.3	14.7	15.2
CO ₂ EQUIVALENT	t	16.9	17.3	18.2	19.2	24.6	25.7	30.7	31.7
OIL CHARGE	kg	3.5	6.1	6.4	6.7	7	13.4	13.4	13.4
ELECTRICAL									
FULL LOAD POWER (F.L.I.)	kW	23.8	27.4	30.5	37.8	43.6	53.9	59.3	64.3
FULL LOAD CURRENT (F.L.A.)	A	40	47	53	64	71	87	95	104
INRUSH CURRENT (S.A.)	A	6	120	165	175	226	198	242	287
FANS									
QUANTITY	N°	5	5	6	6	2	2	2	2
AIRFLOW	m ³ /s	4.28	5.03	5.73	5.73	7.37	8.41	10.47	10.47
FANS POWER INPUT	kW	0.2	0.2	0.2	0.2	0.9	1.1	1.15	1.15
NOISE LEVEL									
SOUND PRESSURE ^{*4}	dB(A)	45	45	46	46	47	48	50	50
SOUND POWER ^{*5,6}	dB(A)	77	77	78	78	79	80	82	82
SIZE AND WEIGHT									
WIDTH ^{*7}	mm	2625	2625	2625	2625	3250	3250	3875	3875
DEPTH ^{*7}	mm	1350	1350	1350	1350	1350	1350	1350	1350
HEIGHT ^{*7}	mm	2070	2070	2070	2070	2170	2170	2170	2170
OPERATING WEIGHT ^{*7}	kg	700	760	790	820	980	1090	1180	1200

*1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C. *2 Values in compliance with EN14511-3:2013. *3 Seasonal energy efficiency of space cooling. *4 Average sound pressure level at 10m distance, unit in a free field on a reflective surface; non-binding value calculated from the sound power level. *5 Sound power on the basis of measurements made in compliance with ISO 9614. *6 Sound power level in cooling, outdoors. *7 Unit in standard configuration/execution, without optional accessories.

Eurovent Certified Data



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2068), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1433). These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows, R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



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