



Climaveneta's range of small to medium sized i-NX Cooling Only chillers efficiently and easily adapt to a wide range of cooling capacities.

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
Air Cooled Chiller range
Three Phase (43.9-129kW)

Making a
World of
Difference



MODEL		i-NX 0151P	i-NX 0182P	i-NX 0202P	i-NX 0262P	i-NX 0302P	i-NX 0352P	i-NX 0402P	i-NX 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+N/50	400/3/50	400/3/50
PERFORMANCE									
COOLING CAPACITY ^{*1}	kW	43.9	52.9	63.1	72.1	83.8	101	120	129
TOTAL POWER INPUT ^{*1}	kW	15.7	18.8	21.4	25	29.2	35.2	41.9	46.8
EER ^{*1}		2.8	2.81	2.95	2.88	2.87	2.87	2.86	2.76
ESEER ^{*1}		4.56	4.55	4.51	4.54	4.51	4.66	4.58	4.53
COOLING ONLY (EN14511 VALUE)									
COOLING CAPACITY ^{*1,2}	kW	43.6	52.6	62.7	71.7	83.4	100	119	129
EER ^{*1,2}		2.73	2.75	2.88	2.82	2.82	2.82	2.8	2.72
ESEER ^{*1,2}		4.27	4.19	4.17	4.23	4.24	4.36	4.27	4.25
COOLING ENERGY CLASS		C	C	C	C	C	C	C	C
SEASONAL EFFICIENCY IN COOLING (REG.EU 2016/2281) - AVERAGE CLIMATE CONDITIONS									
SEER		4.15	4.11	4.13	4.18	4.23	4.36	4.32	4.3
PERFORMANCE (η _s) ^{*3}	%	163	161	162	164	166	171	170	169
HEAT EXCHANGER (USER SIDE)									
WATER FLOW ^{*1}	l/s	0.64	0.76	0.86	1.01	1.18	1.41	1.63	1.85
MIN. SYSTEM WATER CONTENT	l	154	185	221	252	293	354	420	452
PRESSURE DROP	kPa	37.2	41.2	42.3	39.4	35	36.2	42.9	38.9
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	22	19	22	19	23	20	18
REFRIGERANT CHARGE R410A	kg	7	7.2	8.9	9.4	9.5	12.5	12.9	13.5
CO ₂ EQUIVALENT	t	14.6	15	18.6	19.6	19.8	26.1	26.9	28.2
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	23.5	27.4	30.2	37.5	41.4	53.9	59.7	64.6
FULL LOAD CURRENT (F.L.A.)	A	39	46	52	63	70	87	96	104
INRUSH CURRENT (S.A.)	A	4	118	164	174	225	198	243	288
FANS									
QUANTITY	N°	4	4	5	5	6	2	2	2
AIRFLOW	m³/s	3.77	5.07	6.57	6.57	7.66	9.08	11.53	11.53
FANS POWER INPUT	kW	0.2	0.3	0.3	0.3	0.3	1.2	2	2
NOISE LEVEL									
SOUND PRESSURE ^{*4}	dB(A)	51	52	53	53	54	55	57	57
SOUND POWER ^{*5,6}	dB(A)	83	84	85	85	86	87	89	89
SIZE AND WEIGHT									
WIDTH ^{*7}	mm	2000	2000	2625	2625	2625	3250	3250	3250
DEPTH ^{*7}	mm	1350	1350	1350	1350	1350	1350	1350	1350
HEIGHT ^{*7}	mm	2070	2070	2070	2070	2070	2170	2170	2170
OPERATING WEIGHT ^{*7}	kg	600	660	750	780	810	1060	1070	1080

*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; (not-biding) 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



Telephone: 01707 282880
email: chillers@meuk.mee.com
web: les.mitsubishielectric.co.uk
microsite: mechillers.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England General Enquiries Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland
Telephone: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

Country of origin: United Kingdom – Japan – Thailand – Malaysia. ©Mitsubishi Electric Europe 2019. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

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:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from PCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP: 550), R407C (GWP:1650) or R134a (GWP:1300).



www.greengateway.mitsubishielectric.co.uk
Mitsubishi Electric UK's commitment
to the environment

Follow us @meuk_les
Follow us @green_gateway

Mitsubishi Electric
Living Environmental Systems UK

mitsubishielectric2

thehub.mitsubishielectric.co.uk

Effective as of January 2019