MITSUBISHI ELECTRIC
HYDRONICS & IT COOLING SYSTEMS S.p.A.

PROCESS

UNITS FOR SIMULTANEOUS AND INDEPENDENT PRODUCTION OF HOT AND COLD WATER

INTEGRA

i-FX-Q2-Y

AIR SOURCE UNITS FOR 4-PIPE SYSTEMS, WITH SCREW COMPRESSORS AND FULL INVERTER TECHNOLOGY, FROM 341 TO 1125 kW

climaveneta.com

CLIMAVENETA®

TOTAL INVERTER TECHNOLOGY

FULL-INVERTER TECHNOLOGY
THE HIGHEST ENERGY EFFICIENCY, ALWAYS.

The inverter technology with continuous variable speed shows its advantages particularly when applied to multi-purpose units.

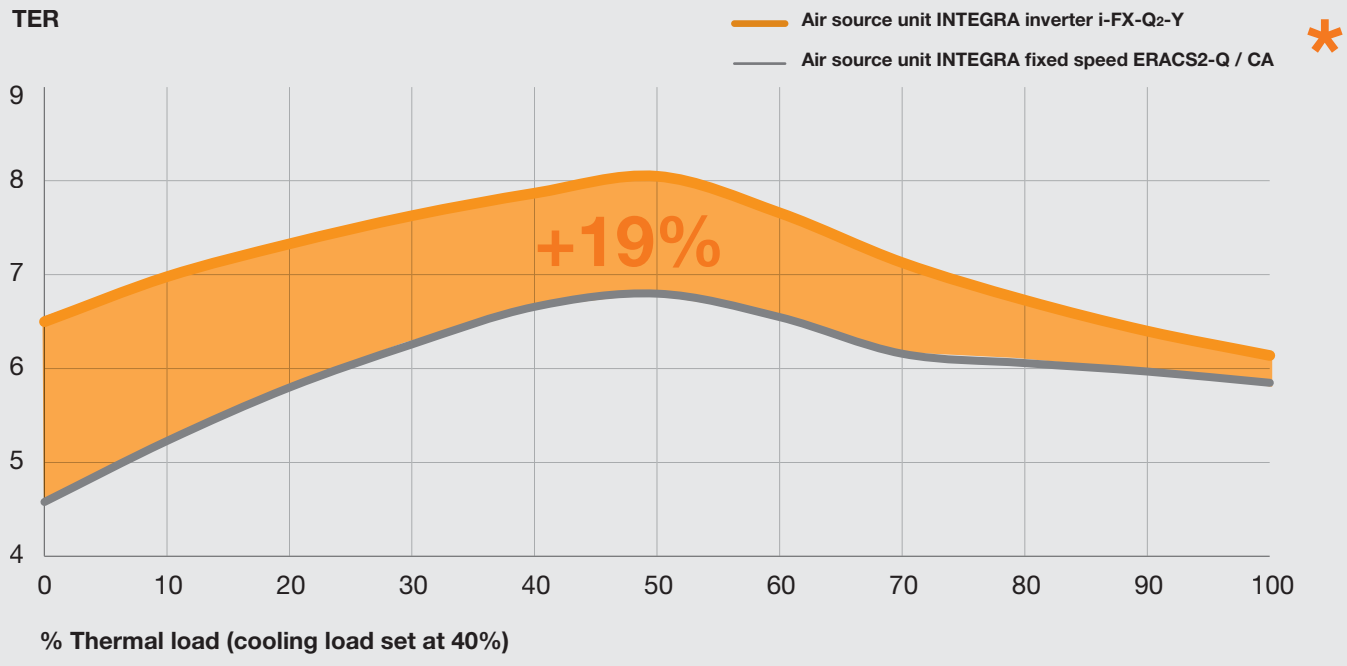
The new inverter driven i-FX-Q2-Y units always reach higher efficiencies than fixed speed units, with any combination of cold / hot load, and in any season.

The presence of Variable Speed Drive (VSD) compressors allows the INTEGRA unit, i-FX-Q2-Y to effectively follow each combination of thermal loads required by the system, with increasingly higher TER efficiencies (up to 19%) compared to those units with fixed speed compressors.

Cooling load [%](*)	Thermal load [%](*)	Median increase in TER VSD vs. fixed speed
0%	0%-100%	+14%
20%	0%-100%	+18%
40%	0%-100%	**+19%** *
60%	0%-100%	+17%
80%	0%-100%	+9%
100%	0%-100%	+5%
Average value		**+14%**

The comparison was made between an INTEGRA ERACS-Q /CA air source unit with fixed speed screw compressor and an i-FX-Q2-Y one with VSD screw compressors.

* Load refers to the maximum cooling capacity of the unit in the following conditions:
Evaporator water (in / out) = 12/7 °C
Condenser water (in / out) = 40/45 °C
Air room temperature = 15 °C



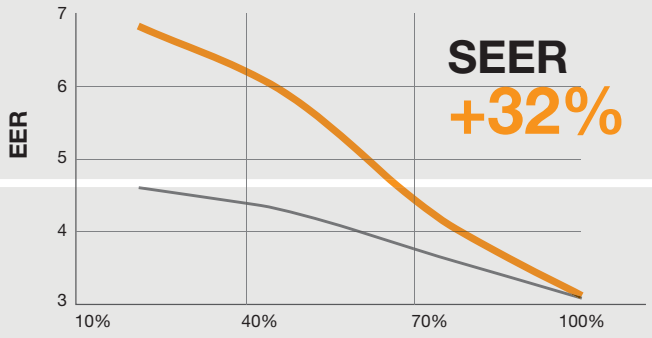
FULL-INVERTER TECHNOLOGY
THE HIGHEST ENERGY EFFICIENCY, ALWAYS.

UNBEATABLE EFFICIENCY AT PARTIAL LOADS

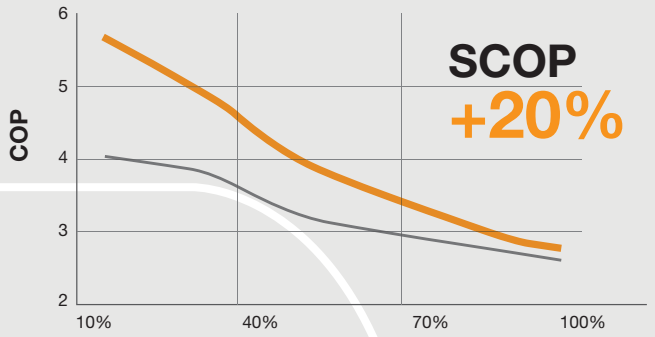
In traditional comfort applications the HVAC plant usually works at full load only for few hours every year. Most of the time the unit works at partial loads. It is in this situation that the efficiency achieved by the units with inverter technology is much higher than traditional fifixed speed units:

SCOP up to +20%
SEER up to +32%

The minimum efficiency requirements of the EU regulation, ErP 2009/125 / EC, are also pinpointed in TIER 2021.



SEER seasonal efficiency as per EN14825:2013 — Part load ratio



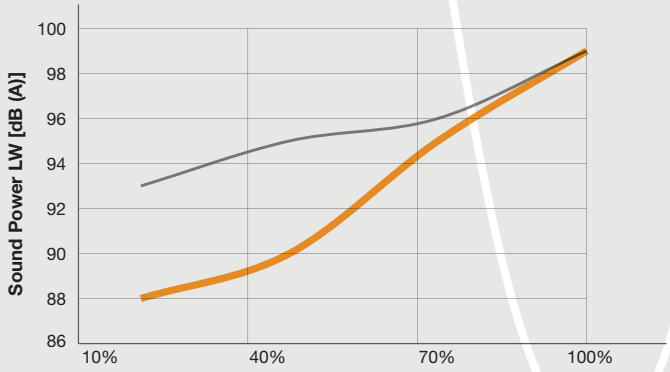
SCOP seasonal efficiency as per EN14825: 2013 — Part load ratio

Air source unit INTEGRA inverter i-FX-Q2-Y
Air source unit INTEGRA fixed speed ERACS2-Q / CA

HIGHEST ACOUSTICAL COMFORT

The more you increase the partialisation the lower your sound emissions will be, thanks to capacity of inverter technology to continually modulate the compressor rotation.
For most of the year VSD units will therefore produce lower sound emissions compared to fixed speed units, always ensuring the highest acoustical comfort.
The sound emissions can be further reduced thanks to dedicated versions and a vast array of accessories.

Sound Power of the two units in partialisation



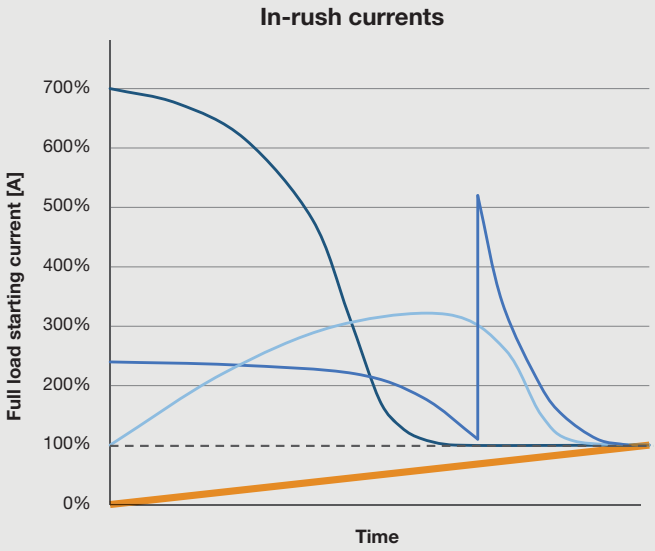
Partialisation SEER values as per EN14825: 2013 — Part load ratio

Air units INTEGRA inverter i-FX-Q2-Y
Air units INTEGRA fixed speed ERACS2-Q / CA

NO IN-RUSH CURRENT

The inverter technology involves a start-up phase with negligible in-rush current, lower than any other starting mode (direct start, star / delta, part winding or soft start).
The absence of sudden peaks and abrupt changes in the starting torque, in addition to eliminating possible disturbances to the electricity power network, reduces the stress on the electrical components to zero, and improves the reliability of the system.

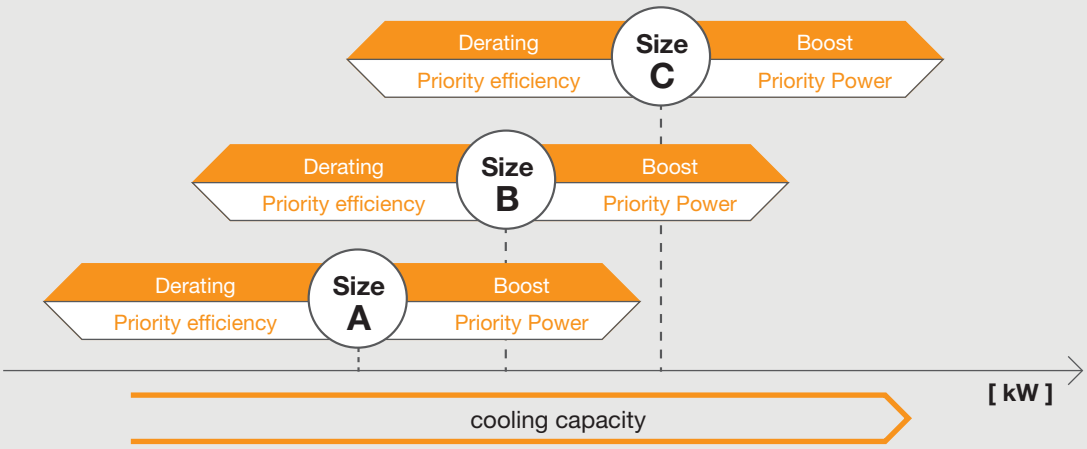
The frequency converters are characterized by values of Displacement Power Factor of between 0.97 and 0.99. The resulting power factor of the unit at rated nominal operating conditions is always higher than that of similar fixed speed unit. The need to install power factor correction devices of the loads is therefore reduced.



FLEXIBILITY IN SELECTING UNITS

Thanks to specific technical solutions and proprietary control functions, Climaveneta's inverter units can be selected at various speed conditions, different from the nominal ones.

Whatever the needs to be met: maximum operating efficiency, reducing the initial investment, future power increase of the plant, it is always possible to identify the most suitable unit.



INTEGRA

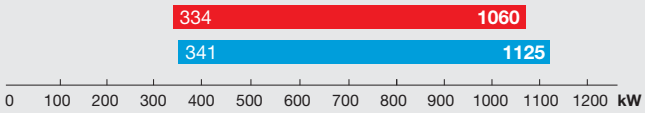
i-FX-Q2-Y

4-PIPE AIR SOURCE UNIT, INVERTER-DRIVEN SCREW COMPRESSORS AND EC FANS. COOLING CAPACITY FROM 341 TO 1125 kW

ErP 2021 COMPLIANT | TOTAL INVERTER TECHNOLOGY | SCREW INVERTER | EC AXIAL | SHELL & TUBES | HFC R-134a | AIR SOURCE

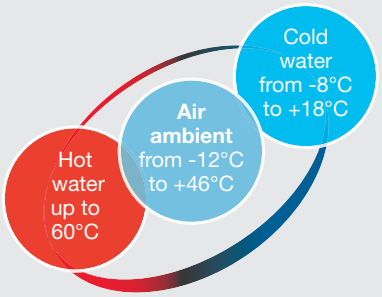
Versions:

CA Class A Efficiency
SL-CA Super Low noise, Class A Efficiency
XL-CA Extra Low noise, Class A Efficiency



i-FX-Q2-Y is a multi-purpose outdoor unit able to simultaneously produce chilled and hot water by means of two independent hydronic circuits. Thanks to the full inverter technology of the screw compressors and the EC fans, these units effectively follow each combination of thermal loads, always providing the exact thermal energy required by the system. This results in top-level efficiency values and very low energy consumption throughout the year, whatever the cooling mode and the weather condition.

i-FX-Q2-Y utilises a system that does not require seasonal switching and is therefore a valid alternative to traditional plants with chiller and boiler. Each circuit works with a variable speed drive semi-hermetic screw compressor using R134a refrigerant, two shell and tubes heat exchangers and a source side coil heat exchanger shared by both circuits. The cold side shell and tube heat exchanger acts as an evaporator for the production of cold water, while the hot side shell and tube heat exchanger works as a condenser for the production of hot water. The source side auxiliary finned coil works as either condenser or evaporator as required by the building loads.



Extended working range
An extended working range which ensures the working operation of the unit all year long and in any working mode.

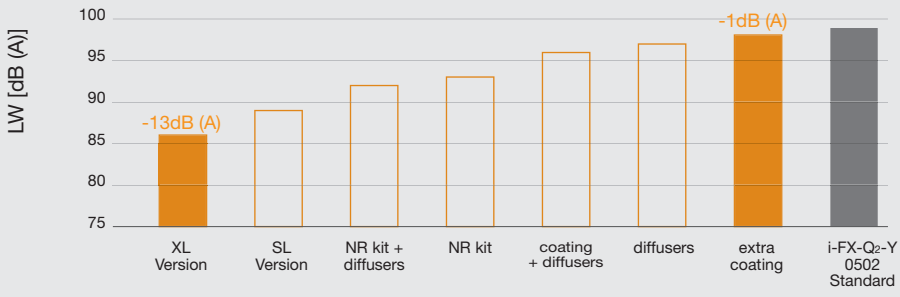
Full INVERTER Technology

Full inverter technology
Independent circuits with variable speed drive screw compressor and EC fans.

r GREEN REFRIGERANTS

HFO refrigerant
Use of innovative green refrigerants, with minimal environmental impact (very low GWP).

ACOUSTICAL VERSIONS AND ACCESSORIES

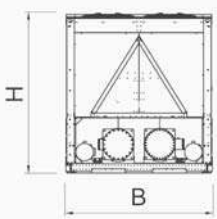


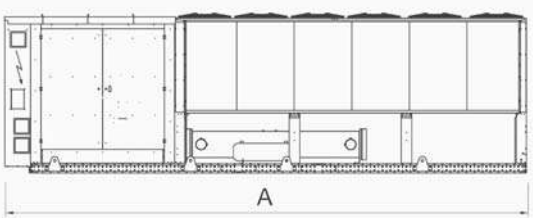
Super silent
Up to 8 different sound power levels for a total sound emission control (from -1dB (A) up to -13 dB (A) compared to the standard configuration).

i-FX-Q2-Y CA			0502	0532	0602	0652	0702	0802	0902	1002	1102
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE											
SELECTION RANGE											
Cooling capacity range	(1)	kW	400-520	429-536	456-570	517-671	598-712	630-787	786-982	881-1036	1046-1125
EER (up to)	(1)	kW/kW	3,34	3,30	3,36	3,25	3,24	3,32	3,25	3,22	3,03
Heating capacity range	(3)	kW	379-492	394-492	421-526	491-638	570-678	606-757	745-931	836-983	986-1060
COP (up to)	(3)	kW/kW	3,45	3,42	3,42	3,47	3,45	3,51	3,50	3,51	3,49
SELECTION RATED											
COOLING ONLY (GROSS VALUE)											
Cooling capacity	(1)(10)	kW	488	531	570	627	689	787	915	985	1083
Total power input	(1)(10)	kW	155	168	182	199	219	251	288	312	360
EER	(1)(10)	kW/kW	3,14	3,15	3,14	3,15	3,14	3,13	3,18	3,16	3,01
COOLING ONLY (EN14511 VALUE)											
Cooling capacity	(1)(2)(10)	kW	486	529	568	625	687	786	912	982	1079
EER	(1)(2)(10)	kW/kW	3,10	3,10	3,10	3,10	3,10	3,10	3,14	3,12	2,97
HEATING ONLY (GROSS VALUE)											
Total heating capacity	(3)(10)	kW	458	486	526	593	652	757	862	928	1018
Total power input	(3)(10)	kW	133	143	154	171	189	216	248	265	292
COP	(3)(10)	kW/kW	3,44	3,40	3,42	3,47	3,45	3,51	3,47	3,50	3,48
HEATING ONLY (EN14511 VALUE)											
Total heating capacity	(2)(3)(10)	kW	460	487	527	594	654	759	865	931	1020
COP	(2)(3)(10)	kW/kW	3,42	3,38	3,41	3,45	3,43	3,49	3,44	3,48	3,46
COOLING WITH TOTAL HEAT RECOVERY											
Cooling capacity	(4)(10)	kW	489	533	571	624	683	785	914	987	1102
Total power input	(4)(10)	kW	137	151	161	174	193	221	258	274	310
Recovery heat exchanger capacity	(4)(10)	kW	617	675	722	788	864	993	1157	1245	1393
TER	(4)(10)	kW/kW	8,08	8,01	8,04	8,11	8,02	8,03	8,02	8,13	8,06
SEASONAL EFFICIENCY IN HEATING (EN14825 VALUE)											
PDesign	(5)(10)	kW	365	365	385	-	-	-	-	-	-
SCOP	(5)(10)		4,10	4,08	4,07	-	-	-	-	-	-
Performance ηs (Reg. 811/2013 UE)	(5)(10)	%	161	160	160	-	-	-	-	-	-
Seasonal efficiency class (Regulation (UE) 811/2013)	(5)(10)		-	-	-	-	-	-	-	-	-
EXCHANGERS											
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Water flow	(1)(10)	l/s	23,31	25,41	27,26	29,97	32,95	37,65	43,76	47,12	51,77
Pressure drop	(1)(10)	kPa	40,8	51,6	32,5	40,5	45,4	29,0	39,7	42,3	51,4
HEAT EXCHANGER USER SIDE IN HEATING											
Water flow	(3)(10)	l/s	22,13	23,47	25,38	28,61	31,49	36,55	41,61	44,81	49,14
Pressure drop	(3)(10)	kPa	22,5	25,4	21,4	27,0	32,0	32,2	41,7	34,9	30,0
REFRIGERANT CIRCUIT											
Compressors nr.	N°		2	2	2	2	2	2	2	2	2
No. Circuits	N°		2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Refrigerant			R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg		230,0	235,0	240,0	260,0	260,0	325,0	350,0	470,0	470,0
NOISE LEVEL											
Sound pressure	(6)(10)	dB(A)	66	66	68	68	68	68	69	69	69
Sound power level in cooling	(7)(8)(10)	dB(A)	99	99	101	101	101	101	102	102	102
Sound power level in heating	(7)(9)(10)	dB(A)	99	99	101	101	101	101	102	102	102
SIZE AND WEIGHT											
A	(11)	mm	8150	8150	8900	9650	10400	10400	10400	11900	11900
B	(11)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(11)	mm	2530	2530	2530	2530	2530	2530	2530	2530	2530
Operating weight	(11)	kg	8350	8380	9080	9590	10060	11010	12310	14110	14150

Main accessories:

- "LT" kit for working down to -12°C in heat pump mode
- NOISE REDUCER (only on not silenced versions)
- Special fan diffusers
- Thicker soundproofing cladding
- Hydronic group
- VPF (Variable Primary Flow) system
- Set-up for remote connectivity with ModBus, Echelon, Bacnet, Bacnet over-IP.
- Touch Screen visual display
- Leak detector





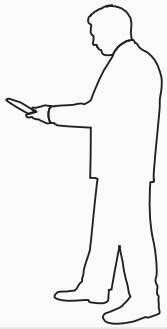
i-FX-Q2-Y INTEGRA

4-pipe air source unit, inverter-driven screw compressors and EC fans.
Cooling capacity from 341 to 1125 kW

i-FX-Q2-Y SL-CA			0502	0532	0602	0652	0702	0802	0902	1002	1102
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE											
SELECTION RANGE											
Cooling capacity range	(1)	kW	384-499	410-513	439-549	498-647	577-687	613-766	724-905	835-982	966-1039
EER (up to)	(1)	kW/kW	3,24	3,21	3,29	3,22	3,22	3,20	3,14	3,11	3,02
Heating capacity range	(3)	kW	375-487	390-487	417-521	486-631	564-672	599-749	735-919	824-969	977-1050
COP (up to)	(3)	kW/kW	3,47	3,44	3,47	3,48	3,48	3,53	3,51	3,53	3,52
SELECTION RATED											
COOLING ONLY (GROSS VALUE)											
Cooling capacity	(1)(10)	kW	468	508	549	604	665	766	881	952	1039
Total power input	(1)(10)	kW	155	169	181	196	215	251	293	316	370
EER	(1)(10)	kW/kW	3,01	3,00	3,03	3,08	3,10	3,05	3,00	3,02	2,81
COOLING ONLY (EN14511 VALUE)											
Cooling capacity	(1)(2)(10)	kW	466	507	548	602	663	764	879	949	1036
EER	(1)(2)(10)	kW/kW	2,98	2,96	3,00	3,04	3,06	3,03	2,97	2,98	2,77
HEATING ONLY (GROSS VALUE)											
Total heating capacity	(3)(10)	kW	454	482	521	587	647	749	852	919	1008
Total power input	(3)(10)	kW	131	141	151	168	186	212	245	262	289
COP	(3)(10)	kW/kW	3,46	3,41	3,44	3,49	3,48	3,53	3,47	3,52	3,49
HEATING ONLY (EN14511 VALUE)											
Total heating capacity	(2)(3)(10)	kW	455	483	522	588	648	751	854	922	1010
COP	(2)(3)(10)	kW/kW	3,44	3,39	3,42	3,47	3,45	3,50	3,45	3,49	3,47
COOLING WITH TOTAL HEAT RECOVERY											
Cooling capacity	(4)(10)	kW	489	533	571	624	683	785	914	987	1102
Total power input	(4)(10)	kW	137	151	161	174	193	221	258	274	310
Recovery heat exchanger capacity	(4)(10)	kW	617	675	722	788	864	993	1157	1245	1393
TER	(4)(10)	kW/kW	8,08	8,01	8,04	8,11	8,02	8,03	8,02	8,13	8,06
SEASONAL EFFICIENCY IN HEATING (EN14825 VALUE)											
PDesign	(5)(10)	kW	364	363	385	-	-	-	-	-	-
SCOP	(5)(10)		4,17	4,07	4,18	-	-	-	-	-	-
Performance ηs (Reg. 811/2013 UE)	(5)(10)	%	164	160	164	-	-	-	-	-	-
Seasonal efficiency class (Regulation (UE) 811/2013)	(5)(10)		-	-	-	-	-	-	-	-	-
EXCHANGERS											
HEAT EXCHANGER USER SIDE IN REFRIGERATION											
Water flow	(1)(10)	l/s	22,36	24,32	26,26	28,89	31,80	36,61	42,14	45,52	49,69
Pressure drop	(1)(10)	kPa	37,5	47,3	30,2	37,6	42,3	27,4	36,8	39,5	47,4
HEAT EXCHANGER USER SIDE IN HEATING											
Water flow	(3)(10)	l/s	21,92	23,25	25,14	28,33	31,22	36,15	41,10	44,37	48,64
Pressure drop	(3)(10)	kPa	22,1	24,9	21,1	26,5	31,5	31,5	40,7	34,2	29,4
REFRIGERANT CIRCUIT											
Compressors nr.	N°		2	2	2	2	2	2	2	2	2
No. Circuits	N°		2	2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Refrigerant			R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg		230,0	235,0	240,0	260,0	260,0	325,0	350,0	470,0	470,0
NOISE LEVEL											
Sound pressure	(6)(10)	dB(A)	56	57	58	58	58	59	59	59	59
Sound power level in cooling	(7)(8)(10)	dB(A)	89	90	91	91	91	92	92	92	92
Sound power level in heating	(7)(9)(10)	dB(A)	89	90	91	91	91	92	92	92	92
SIZE AND WEIGHT											
A	(11)	mm	8150	8150	8900	9650	10400	10400	10400	11900	11900
B	(11)	mm	2260	2260	2260	2260	2260	2260	2260	2260	2260
H	(11)	mm	2530	2530	2530	2530	2530	2530	2530	2530	2530
Operating weight	(11)	kg	8800	8830	9530	10040	10510	11450	12750	14560	14600

Note:
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 Plant (side) heat exchanger water (in/out) 40°C/45°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
4 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Plant (side) heat exchanger water (in/out) 40°C/45°C.
5 Seasonal space heating energy efficiency class LOW TEMPERATURE in AVERAGE climate conditions [REGULATION (UE) N. 811/2013]
6 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
7 Sound power on the basis of measurements made in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Sound power level in heating, outdoors.
10 Data referred to the selection rated.
11 Unit in standard configuration/execution, without optional accessories.

The units highlighted in this publication contain HFC R134a [GWP100 1430] fluorinated greenhouse gases.



KIP LINK
Keyboard In your Pocket

ErP 2021 COMPLIANT | TOTAL INVERTER TECHNOLOGY

EC AXIAL | HFC R-134a | SCREW INVERTER | SHELL & TUBES | AIR SOURCE

i-FX-Q2-Y XL-CA			0502	0532	0602	0652	0702	0802	0902	1002
Power supply		V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
PERFORMANCE										
SELECTION RANGE										
Cooling capacity range	(1)	kW	341-443	386-484	421-526	440-572	532-633	586-732	678-848	775-912
EER (up to)	(1)	kW/kW	3,31	3,18	3,33	3,29	3,25	3,27	3,31	3,15
Heating capacity range	(3)	kW	334-434	370-462	402-502	431-560	522-621	577-721	660-825	756-889
COP (up to)	(3)	kW/kW	3,49	3,46	3,50	3,49	3,49	3,54	3,56	3,57
SELECTION RATED										
COOLING ONLY (GROSS VALUE)										
Cooling capacity	(1)(10)	kW	443	484	526	572	633	732	848	912
Total power input	(1)(10)	kW	146	162	172	185	204	239	282	302
EER	(1)(10)	kW/kW	3,02	2,98	3,05	3,09	3,11	3,06	3,01	3,02
COOLING ONLY (EN14511 VALUE)										
Cooling capacity	(1)(2)(10)	kW	442	482	524	570	631	730	845	910
EER	(1)(2)(10)	kW/kW	2,99	2,94	3,02	3,06	3,07	3,03	2,98	2,99
HEATING ONLY (GROSS VALUE)										
Total heating capacity	(3)(10)	kW	434	462	502	560	621	721	825	888
Total power input	(3)(10)	kW	125	134	144	160	178	204	235	250
COP	(3)(10)	kW/kW	3,48	3,44	3,47	3,50	3,50	3,54	3,51	3,55
HEATING ONLY (EN14511 VALUE)										
Total heating capacity	(2)(3)(10)	kW	435	463	503	562	622	723	828	891
COP	(2)(3)(10)	kW/kW	3,47	3,42	3,46	3,49	3,48	3,52	3,48	3,53
COOLING WITH TOTAL HEAT RECOVERY										
Cooling capacity	(4)(10)	kW	464	509	549	591	651	752	883	921
Total power input	(4)(10)	kW	129	142	151	165	182	212	247	262
Recovery heat exchanger capacity	(4)(10)	kW	586	643	690	746	822	951	1116	1167
TER	(4)(10)	kW/kW	8,11	8,08	8,22	8,11	8,07	8,02	8,09	7,98
SEASONAL EFFICIENCY IN HEATING (EN14825 VALUE)										
PDesign	(5)(10)	kW	316	343	368	-	-	-	-	-
SCOP	(5)(10)		4,13	4,06	4,17	-	-	-	-	-
Performance ηs (Reg. 811/2013 UE)	(5)(10)	%	162	160	164	-	-	-	-	-
Seasonal efficiency class (Regulation (UE) 811/2013)	(5)(10)		-	-	-	-	-	-	-	-
EXCHANGERS										
HEAT EXCHANGER USER SIDE IN REFRIGERATION										
Water flow	(1)(10)	l/s	21,18	23,12	25,14	27,34	30,25	35,00	40,54	43,63
Pressure drop	(1)(10)	kPa	33,7	42,7	27,7	33,7	38,3	25,1	34,1	36,3
HEAT EXCHANGER USER SIDE IN HEATING										
Water flow	(3)(10)	l/s	20,95	22,29	24,23	27,05	29,96	34,81	39,83	42,89
Pressure drop	(3)(10)	kPa	20,2	22,9	19,6	24,2	29,0	29,2	38,2	31,9
REFRIGERANT CIRCUIT										
Compressors nr.	N°		2	2	2	2	2	2	2	2
No. Circuits	N°		2	2	2	2	2	2	2	2
Regulation			STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS	STEPLESS
Refrigerant			R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge	kg		230,0	235,0	240,0	260,0	260,0	325,0	350,0	470,0
Sound pressure	(6)(10)	dB(A)	53	54	55	55	55	56	55	56
Sound power level in cooling	(7)(8)(10)	dB(A)	86	87	88	88	88	89	88	89
Sound power level in heating	(7)(9)(10)	dB(A)	87	88	89	89	89	90	89	90
A	(11)	mm	8150	8150	8900	9650	10400	10400	10400	11900
B	(11)	mm	2260	2260	2260	2260	2260	2260	2260	2260
H	(11)	mm	2530	2530	2530	2530	2530	2530	2530	2530
Operating weight	(11)	kg	8800	8830	9530	10040	10510	11450	12750	14560

Note:

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 Plant (side) heat exchanger water (in/out) 40°C/45°C; Source (side) heat exchanger air (in) 7°C - 87% R.H.
4 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Plant (side) heat exchanger water (in/out) 40°C/45°C.
5 Seasonal space heating energy efficiency class LOW TEMPERATURE in AVERAGE climate conditions [REGULATION (UE) N. 811/2013]
6 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.
7 Sound power on the basis of measurements made in compliance with ISO 9614.
8 Sound power level in cooling, outdoors.
9 Sound power level in heating, outdoors.
10 Data referred to the selection rated.
11 Unit in standard configuration/execution, without optional accessories.

The units highlighted in this publication contain HFC R134a [GWP100 1430] fluorinated greenhouse gases.

KIPLINK, THE KEYBOARD IN YOUR POCKET

KIPlink is the innovative system that allows you to directly control the unit via smartphone or tablet through the QR code using the Wi-Fi generated by the unit.

Thanks to dedicated visuals and graphics, KIPlink allows the user to directly access the same functions as with a traditional keyboard.
KIPlink is installed as standard in all i-FX-Q2-Y units.

EXPERIENCE IS BY FAR THE BEST PROOF”

Sir Francis Bacon
British philosopher (1561-1626)

MEDACTA SA

2017 Castel S. Pietro, Switerland (Italy)

Application: Industrial Process
Plant type: Hydronic System
Cooling capacity: 839 kW
Heating capacity: 422 kW
Installed machines:
1x ERACS2-Q/SL-CA 1962,
1x FX-FC/NG/SL-T 1902

ICR LODI

2017 Lodi (Italy)

Application: Industrial Process
Plant type: Hydronic System
Cooling capacity: 597 kW
Installed machines:
1x ERACS2-Q SL CA 2622

SKF ARGENTINA

2014 Tortuguitas (Argentina)

Application: Tools e machinary
Cooling capacity: 1042 kW
Heating capacity: 1056 kW
Installed machines:
2x NECS-Q 1816,
2x AX 26 Close control Units,
9x WIZARD

Every project is characterized by different usage conditions and system specifications for many different latitudes. All these projects share high energy efficiency, maximum integration, and total reliability due to the unique experience of Climaveneta branded solutions.

AVIO COLLEFERRO

2014 - Rome (Italy)

Application: Industrial technology
Plant type: Hydronic System
Cooling capacity: 966 kW
Heating capacity: 984 kW
Installed machines:
2x ERACS2-Q 2022 CA,
1x MANAGER 3000 VPF,
6x WIZARD 1220-16580

HUSQWARNA MOTORCYCLES CASSINETTA DI BIANDRONNO

2009 Varese (Italy)

Application: Automotive
Plant type: Hydronic System
Cooling capacity: 380 kW
Heating capacity: 396 kW
Installed machines:
1x ERACS-Q/LT 1762

NUCLEAR POWER PLANT EMBALSE

2015-2016 Cordoba (Argentina)

Application: Energy
Plant type: Hydronic System
Cooling capacity: 449 kW
Heating capacity: 476 kW
Installed machines:
1x ERACS2-Q 1762,
1x NECS-Q/SL 302

i-FX-02-Y_ENG_12-2017

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Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

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