

i-FX R513A Air Cooled Chillers

Outdoor Installation (477 to 1697kW)

Our Climaveneta range of i-FX units are air cooled chillers with inverter screw compressors, designed for delivering high efficiencies in comfort applications.

Available with lower GWP R513A refrigerant, the new i-FX chillers apply variable speed technology in all of its main components, achieving top-level performances in any load condition.

Key Features & Benefits:

- Total Inverter Technology
- Multiple Heat Recovery Configurations
- ErP2021 compliant
- Low noise
- Energy efficient
- Available with lower GWP R513A refrigerant



i-FX Air Cooled Chillers with R513A refrigerant
(from 478.6 to 1697kW)



MODEL		2202	2602	2652	2702	2722	3152	3602
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	478.6	531.1	561.2	598.1	656.7	720.7	801.4
TOTAL POWER INPUT ¹	kW	172.0	189.2	198.6	209.1	237.2	263.0	290.3
EER ¹	kW/kW	2.783	2.807	2.826	2.860	2.769	2.740	2.761
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	477.3	529.4	559.6	596.2	654.7	718.2	798.9
EER ^{1,2}	kW/kW	2.750	2.770	2.800	2.830	2.740	2.710	2.730
COOLING ENERGY CLASS		C	C	C	C	C	C	C
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	477	529	560	596	655	718	799
SEER ^{7,8}		4.77	4.78	4.73	4.76	4.76	4.82	4.83
PERFORMANCE η _s ^{7,9}	%	188	188	186	187	187	190	190
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	22.89	25.40	26.84	28.60	31.40	34.47	38.33
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	32.0	39.5	35.2	40.0	38.3	46.2	40.7
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	79.0	87.0	92.0	101	108	120	135
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	67	68	68	68	69	69	68
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	99	100	100	100	101	101	101
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	4150	5400	5400	5400	5400	6650	6650
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	4790	5270	5280	5330	5720	6210	6270

MODEL		3902	4202	4502	4802	4812	4822	5412
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	874.1	932.0	900.3	1029	1054	1128	1169
TOTAL POWER INPUT ¹	kW	312.1	331.0	358.1	383.8	366.8	405.3	430.5
EER ¹	kW/kW	2.801	2.816	2.765	2.681	2.874	2.783	2.715
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	871.3	928.7	987.3	1026	1050	1124	1166
EER ^{1,2}	kW/kW	2.770	2.780	2.730	2.650	2.840	2.750	2.690
COOLING ENERGY CLASS		C	C	C	D	C	C	D
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	871	929	987	1026	1050	1124	1166
SEER ^{7,8}		4.79	4.82	4.77	4.80	4.79	4.82	4.89
PERFORMANCE η _s ^{7,9}	%	189	190	188	189	189	190	193
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	41.80	44.57	47.36	49.20	50.41	53.94	53.90
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	42.8	48.7	42.4	45.8	48.1	51.7	41.7
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	146	155	161	168	174	189	193
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	69	70	70	71	71	72	72
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	102	103	103	104	104	105	105
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	7900	7900	7900	7900	9150	9150	9150
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	6700	6740	7350	7750	8220	8340	8500

■ Eurovent Certified Data

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. 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.
 4. Sound power on the basis of measurements taken in compliance with ISO 9614.
 5. Sound power level in cooling, outdoors.

6. Unit in standard configuration, without optional accessories.
 7. Parameter calculated according to [REGULATION (EU) N. 2016/2281].
 8. Seasonal energy efficiency ratio.
 9. Seasonal space cooling energy efficiency.

i-FX Air Cooled Chillers with R513A refrigerant
(from 478.6 to 1697kW)



MODEL		6002	6022	6303	6903	7203	7213	7223
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	1242	1302	1409	1493	1559	1649	1697
TOTAL POWER INPUT ¹	kW	438.8	477.1	498.8	544.8	578.9	596.2	618.5
EER ¹	kW/kW	2.830	2.729	2.825	2.740	2.693	2.766	2.744
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	1238	1297	1405	1488	1555	1644	1691
EER ^{1,2}	kW/kW	2.800	2.690	2.790	2.710	2.670	2.740	2.710
COOLING ENERGY CLASS		C	D	C	C	D	C	C
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	1238	1297	1405	1488	1555	1644	1691
SEER ^{7,8}		4.90	4.90	4.74	4.77	4.76	4.76	4.79
PERFORMANCE η _s ^{7,9}	%	193	193	187	188	187	187	189
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	59.42	62.28	67.38	71.40	74.58	78.86	81.17
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	47.1	51.8	45.9	51.5	39.6	44.3	50.4
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	3	2	3	3	3
CIRCUITS	No.	2	2	3	3	3	3	3
REFRIGERANT CHARGE	kg	208	214	236	244	254	273	288
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	72	72	72	72	72	73	73
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	105	105	105	105	105	106	106
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	10400	10400	11650	11650	11650	12900	12900
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	8890	9000	10650	11460	11840	12350	12340

Eurovent Certified Data

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511.
- 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.
- Sound power on the basis of measurements taken in compliance with ISO 9614.
- Sound power level in cooling, outdoors.

- Unit in standard configuration, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281].
- Seasonal energy efficiency ratio.
- Seasonal space cooling energy efficiency.

i-FX- Air Cooled Chillers with R513A refrigerant
Low Noise Version (from 477 to 1635kW)



MODEL		2202	2602	2652	2702	2722	3152	3602
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	477.0	516.7	554.6	578.0	662.9	711.3	774.2
TOTAL POWER INPUT ¹	kW	168.1	177.0	195.5	212.2	228.3	260.2	295.6
EER ¹	kW/kW	2.838	2.919	2.837	2.724	2.904	2.734	2.619
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	475.7	515.1	553.0	576.3	660.9	708.9	772.0
EER ^{1,2}	kW/kW	2.810	2.880	2.810	2.690	2.870	2.700	2.590
COOLING ENERGY CLASS		C	C	C	D	C	C	D
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	476	515	553	576	661	709	772
SEER ^{7,8}		4.91	4.88	4.83	4.74	4.89	4.90	4.87
PERFORMANCE η _s ^{7,9}	%	194	192	190	187	193	193	192
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	22.81	24.71	26.52	27.64	31.70	34.02	37.02
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	31.8	37.4	34.4	37.3	39.1	45.0	38.0
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	83.0	91.0	97.0	101	116	125	135
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	60	61	61	61	61	61	61
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	92	93	93	93	94	94	94
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	5400	5400	5400	5400	6650	6650	6650
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	5450	5600	5620	5650	6560	6580	6590

MODEL		3902	4202	4502	4802	4812	4822	5412
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	845.6	903.1	972.7	1028	1046	1120	1162
TOTAL POWER INPUT ¹	kW	317.7	336.9	356.8	373.5	359.4	397.2	422.1
EER ¹	kW/kW	2.662	2.681	2.726	2.752	2.870	2.820	2.753
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	843	900.1	969.8	1025	1042	1116	1159
EER ^{1,2}	kW/kW	2.630	2.650	2.700	2.720	2.870	2.780	2.720
COOLING ENERGY CLASS		D	D	C	C	C	C	C
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	843	900	970	1025	1042	1116	1159
SEER ^{7,8}		4.76	4.78	4.86	4.95	4.89	4.93	5.00
PERFORMANCE η _s ^{7,9}	%	187	188	191	195	192	194	197
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	40.44	43.19	46.52	49.15	50.01	53.58	55.57
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	40.1	45.7	40.9	45.7	47.3	51.0	41.2
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	146	155	168	178	183	198	204
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	62	63	63	63	63	63	63
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	95	96	96	96	96	96	96
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	7900	7900	9150	9150	10400	10400	10400
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	7050	7100	8110	8550	9010	9130	9310

■ Eurovent Certified Data

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511.
- 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.
- Sound power on the basis of measurements taken in compliance with ISO 9614.
- Sound power level in cooling, outdoors.

- Unit in standard configuration, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281].
- Seasonal energy efficiency ratio.
- Seasonal space cooling energy efficiency.

i-FX Air Cooled Chillers with R513A refrigerant
Low Noise Version (from 477 to 1635kW)



MODEL		6002	6022	6303	6903	7203	7213	7223
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	1199	1290	1365	1474	1541	1590	1635
TOTAL POWER INPUT ¹	kW	446.5	470.5	507.7	541.1	572.2	610.0	633.6
EER ¹	kW/kW	2.685	2.742	2.689	2.724	2.693	2.607	2.580
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	1195	1286	1361	1469	1537	1589	1630
EER ^{1,2}	kW/kW	2.660	2.710	2.660	2.690	2.670	2.580	2.550
COOLING ENERGY CLASS		D	C	D	D	D	D	D
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	1195	1286	1361	1469	1537	1586	1630
SEER ^{7,8}		4.95	4.99	4.77	4.94	4.84	4.84	4.85
PERFORMANCE η _s ^{7,9}	%	195	197	188	194	191	190	191
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	57.32	61.67	65.28	70.50	73.70	76.02	78.18
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	43.9	50.8	43.1	50.2	38.7	41.2	46.7
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	3	2	3	2	3
CIRCUITS	No.	2	2	3	3	3	3	3
REFRIGERANT CHARGE	kg	208	224	236	255	267	278	288
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	63	63	63	63	63	63	64
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	96	96	96	96	96	96	97
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	10400	11650	11650	12900	12900	12900	12900
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	9270	9790	11140	12390	12770	12850	12930

Eurovent Certified Data

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511.
- 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.
- Sound power on the basis of measurements taken in compliance with ISO 9614.
- Sound power level in cooling, outdoors.

- Unit in standard configuration, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281].
- Seasonal energy efficiency ratio.
- Seasonal space cooling energy efficiency.

i-FX Air Cooled Chillers with R513A refrigerant
High Efficiency Version (from 510.2 to 1520kW)



MODEL		2202	2602	2652	2702	2772	3152	3602	3902
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									
COOLING ONLY (GROSS VALUE)									
COOLING CAPACITY ¹	kW	510.2	551.9	590.0	626.9	684.3	767.2	839.9	899.4
TOTAL POWER INPUT ¹	kW	163.5	177.8	189.4	203.0	222.2	257.2	286.0	303.4
EER ¹	kW/kW	3.120	3.104	3.115	3.088	3.080	2.983	2.937	2.964
COOLING ONLY (EN14511 VALUE)									
COOLING CAPACITY ^{1,2}	kW	508.7	550.4	288.2	624.8	682.1	765.0	837.1	896.4
EER ^{1,2}	kW/kW	3.080	3.070	3.080	3.050	3.040	2.950	2.900	2.930
COOLING ENERGY CLASS		B	B	B	B	B	B	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
AMBIENT REFRIGERATION									
P _{RATED,C} ⁷	kW	509	550	588	625	682	765	837	896
SEER ^{7,8}		5.26	5.27	5.26	5.20	5.21	5.21	5.22	5.17
PERFORMANCE η _s ^{7,9}	%	207	208	207	205	205	206	206	204
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
WATER FLOW ¹	l/s	24.40	26.39	28.22	29.98	32.73	36.69	40.16	43.01
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	36.4	34.0	38.9	43.9	41.6	37.3	44.7	45.3
REFRIGERANT CIRCUIT									
COMPRESSORS NR.	No.	2	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	91.0	93.0	100	106	115	130	141	153
NOISE LEVEL									
SOUND PRESSURE ³	dB(A)	67	68	67	67	68	68	68	69
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	99	100	100	100	101	101	101	102
SIZE AND WEIGHT									
WIDTH (A) ⁶	mm	5400	5400	6650	6650	6650	7900	7900	9150
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	5180	5240	5720	5800	6210	6620	6670	7080

MODEL		4202	4502	4802	4822	5412	5703	6303	6603
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									
COOLING ONLY (GROSS VALUE)									
COOLING CAPACITY ¹	kW	959.4	1028	1099	1162	1230	1334	1467	1520
TOTAL POWER INPUT ¹	kW	320.6	340.0	358.2	388.6	401.1	452.6	493.4	518.9
EER ¹	kW/kW	2.993	3.024	3.068	2.990	3.067	2.947	2.973	2.929
COOLING ONLY (EN14511 VALUE)									
COOLING CAPACITY ^{1,2}	kW	955.9	1025	1095	1159	1226	1330	1463	1515
EER ^{1,2}	kW/kW	2.950	2.980	3.020	2.960	3.030	2.910	2.940	2.900
COOLING ENERGY CLASS		B	B	B	B	B	B	B	B
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
AMBIENT REFRIGERATION									
P _{RATED,C} ⁷	kW	956	1025	1025	1159	1226	1330	1463	1515
SEER ^{7,8}		5.12	5.26	5.21	5.16	5.22	5.15	5.06	5.12
PERFORMANCE η _s ^{7,9}	%	202	207	206	203	206	203	199	202
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
WATER FLOW ¹	l/s	45.88	49.16	52.54	55.59	58.81	63.78	70.16	72.70
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	51.6	45.7	50.1	41.2	46.2	41.1	35.1	37.7
REFRIGERANT CIRCUIT									
COMPRESSORS NR.	No.	2	2	2	2	2	4	3	4
CIRCUITS	No.	2	2	2	2	2	3	3	3
REFRIGERANT CHARGE	kg	162	174	185	199	209	227	260	258
NOISE LEVEL									
SOUND PRESSURE ³	dB(A)	70	70	71	72	72	72	72	72
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	103	103	104	105	105	105	105	105
SIZE AND WEIGHT									
WIDTH (A) ⁶	mm	9150	10400	10400	10400	11650	12900	12900	12900
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	7120	8110	8550	8810	9280	10880	10920	11610

■ Eurovent Certified Data

- Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger air (in) 35°C.
- Values in compliance with EN14511.
- 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.
- Sound power on the basis of measurements taken in compliance with ISO 9614.
- Sound power level in cooling, outdoors.

- Unit in standard configuration, without optional accessories.
- Parameter calculated according to [REGULATION (EU) N. 2016/2281].
- Seasonal energy efficiency ratio.
- Seasonal space cooling energy efficiency.

i-FX Air Cooled Chillers with R513A refrigerant
High Efficiency & Low Noise Version (from 498.8 to 1462kW)



MODEL		2202	2602	2652	2702	2722	3152	3602	3902
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									
COOLING ONLY (GROSS VALUE)									
COOLING CAPACITY ¹	kW	498.8	559.5	581.8	615.1	682.8	751.6	811.9	891.5
TOTAL POWER INPUT ¹	kW	162.3	182.7	185.5	202.2	216.8	251.1	275.3	295.2
EER ¹	kW/kW	3.073	3.062	3.136	3.042	3.149	2.993	2.949	3.020
COOLING ONLY (EN14511 VALUE)									
COOLING CAPACITY ^{1,2}	kW	497.4	557.9	580.0	613.4	680.6	749.5	809.4	888.6
EER ^{1,2}	kW/kW	3.040	3.030	3.100	3.010	3.110	2.960	2.910	2.980
COOLING ENERGY CLASS									
ENERGY EFFICIENCY									
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)									
AMBIENT REFRIGERATION									
P _{RATED,C} ⁷	kW	497	558	580	613	681	750	809	889
SEER ^{7,8}		5.27	5.27	5.30	5.23	5.27	5.28	5.28	5.24
PERFORMANCE η _s ^{7,9}	%	208	208	209	206	208	208	208	207
EXCHANGERS									
HEAT EXCHANGER USER SIDE IN REFRIGERATION									
WATER FLOW ¹	l/s	23.85	26.76	27.82	29.42	32.65	35.94	38.83	42.63
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	34.8	35.0	37.8	33.6	41.5	35.8	41.8	44.5
REFRIGERANT CIRCUIT									
COMPRESSORS NR.	No.	2	2	2	2	2	2	2	2
CIRCUITS	No.	2	2	2	2	2	2	2	2
REFRIGERANT CHARGE	kg	91.0	101	106	112	123	136	148	162
NOISE LEVEL									
SOUND PRESSURE ³	dB(A)	60	60	60	60	61	61	61	62
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	92	93	93	93	94	94	94	95
SIZE AND WEIGHT									
WIDTH (A) ⁶	mm	5400	6650	6650	6650	7900	7900	9150	10400
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	5490	6030	6080	6400	6990	6990	7460	7860

MODEL		4202	4502	4802	4822	5412	5703	6303
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
PERFORMANCE								
COOLING ONLY (GROSS VALUE)								
COOLING CAPACITY ¹	kW	942.8	1016	1086	1149	1213	1332	1462
TOTAL POWER INPUT ¹	kW	312.4	331.8	350.0	380.1	393.2	456.9	493.5
EER ¹	kW/kW	3.018	3.062	3.103	3.023	3.085	2.915	2.963
COOLING ONLY (EN14511 VALUE)								
COOLING CAPACITY ^{1,2}	kW	939.4	1013	1082	1146	1209	1328	1458
EER ^{1,2}	kW/kW	2.980	3.020	3.060	2.990	3.050	2.880	2.930
COOLING ENERGY CLASS								
ENERGY EFFICIENCY								
SEASONAL EFFICIENCY IN COOLING (Reg. EU 2016/2281)								
AMBIENT REFRIGERATION								
P _{RATED,C} ⁷	kW	939	1013	1082	1146	1209	1328	1458
SEER ^{7,8}		5.17	5.31	5.29	5.25	5.33	5.17	4.99
PERFORMANCE η _s ^{7,9}	%	204	209	209	207	210	204	197
EXCHANGERS								
HEAT EXCHANGER USER SIDE IN REFRIGERATION								
WATER FLOW ¹	l/s	45.09	48.60	51.92	54.96	58.00	63.72	69.92
PRESSURE DROP AT THE HEAT EXCHANGER	kPa	49.8	44.7	48.9	40.3	44.9	41.0	34.8
REFRIGERANT CIRCUIT								
COMPRESSORS NR.	No.	2	2	2	2	2	4	3
CIRCUITS	No.	2	2	2	2	2	3	3
REFRIGERANT CHARGE	kg	171	184	197	210	220	237	260
NOISE LEVEL								
SOUND PRESSURE ³	dB(A)	63	63	63	63	63	63	63
SOUND POWER LEVEL IN COOLING ^{4,5}	dB(A)	96	96	96	96	96	96	96
SIZE AND WEIGHT								
WIDTH (A) ⁶	mm	10400	11650	11650	11650	12900	12900	12900
DEPTH (B) ⁶	mm	2260	2260	2260	2260	2260	2260	2260
HEIGHT (H) ⁶	mm	2500	2500	2500	2500	2500	2500	2500
OPERATING WEIGHT ⁶	kg	8080	8860	9310	9640	10080	11410	11420

■ 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:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *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).

Effective as of March 2021



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