

6.1 GENERAL TECHNICAL DATA

i-FX-W (1+i)

i-FX-W (1+i)			1402	1752	1902	2152	2602	3002	3402	3852	4252	4652
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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	532	665	721	819	999	1143	1296	1472	1607	1784
Total power input	(1)	kW	97,9	120	130	148	182	207	233	265	292	330
EER	(1)	kW/kW	5,44	5,56	5,55	5,52	5,50	5,51	5,56	5,57	5,51	5,41
ESEER	(1)	kW/kW	8,53	8,59	8,43	8,57	8,59	8,49	8,54	8,57	8,39	8,33
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)	l/s	25,5	31,8	34,5	39,2	47,8	54,7	62,0	70,4	76,9	85,3
Pressure drop	(1)	kPa	36,3	41,3	40,2	39,4	44,0	44,5	37,8	36,6	43,7	53,8
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)	l/s	30,0	37,4	40,6	46,1	56,3	64,4	72,9	82,8	90,5	101
Pressure drop	(1)	kPa	44,8	42,4	49,9	49,6	46,4	36,0	39,9	35,5	42,5	35,5
COMPRESSORS												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS
Min. capacity step		%	18	18	18	18	18	18	18	18	18	18
Refrigerant			R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge		kg	136	170	188	212	264	289	328	372	410	450
Oil charge		kg	30	44	38	38	60	60	60	60	62	64
NOISE LEVEL												
Noise Pressure	(3)	dB(A)	82	82	81	83	83	83	82	82	84	84
Noise Power	(4)	dB(A)	100	100	100	102	102	102	102	102	104	104
SIZE AND WEIGHT												
A	(5)	mm	2950	3310	3310	3310	4475	4475	4570	4600	4600	4600
B	(5)	mm	1320	1425	1445	1480	1410	1405	1435	1495	1495	1495
H	(5)	mm	1805	1935	2000	2150	2250	2250	2380	2500	2500	2500
Operating weight	(5)	kg	3130	4010	4130	4520	6140	6880	7520	7990	8120	8410

Notes:

1 Unit performances with inverter driven compressor rotating at maximum speed.

1 Plant (side) cooling exchanger water (in/out) = 12,0°C/7,0°C; Source (side) heat exchanger water (in/out) = 30,0°C/35,0°C

2 Values in compliance with EN14511-3:2011

3 Average sound pressure level at 1m 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 made in compliance with ISO 9614.

5 Unit in standard configuration/execution, without optional accessories

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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	400/3/50
PERFORMANCE												
COOLING ONLY (GROSS VALUE)												
Cooling capacity	(1)	kW	488	610	661	752	917	1049	1189	1351	1486	1637
Total power input	(1)	kW	87,6	107	116	132	161	184	206	233	260	289
EER	(1)	kW/kW	5,57	5,70	5,69	5,68	5,68	5,71	5,76	5,79	5,71	5,66
CERTIFIED ESEER	(1)	kW/kW	8,52	8,57	8,47	8,62	8,63	8,55	8,56	8,60	8,44	8,39
COOLING ONLY (EN14511 VALUE)												
Cooling capacity	(1)(2)	kW	487	608	659	750	914	1046	1186	1348	1482	1632
EER	(1)(2)	kW/kW	5,37	5,49	5,48	5,47	5,48	5,52	5,58	5,62	5,52	5,47
CERTIFIED ESEER	(1)(2)	kW/kW	7,46	7,51	7,40	7,53	7,53	7,59	7,65	7,74	7,49	7,44
Cooling energy class			A	A	A	A	A	A	A	A	A	-
EXCHANGERS												
HEAT EXCHANGER USER SIDE IN REFRIGERATION												
Water flow	(1)	l/s	23,3	29,2	31,6	36,0	43,8	50,1	56,9	64,6	71,1	78,3
Pressure drop	(1)	kPa	30,5	34,7	33,8	33,2	37,1	37,5	31,9	30,9	37,3	45,3
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION												
Water flow	(1)	l/s	27,4	34,2	37,1	42,2	51,4	58,8	66,6	75,6	83,3	91,9
Pressure drop	(1)	kPa	37,4	35,4	41,7	41,5	38,7	30,0	33,3	29,6	35,9	29,5
COMPRESSORS												
Compressors nr.		N°	2	2	2	2	2	2	2	2	2	2
Number of capacity		N°	0	0	0	0	0	0	0	0	0	0
No. Circuits		N°	1	1	1	1	1	1	1	1	1	1
Regulation			STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS	STEPSLESS
Min. capacity step		%	20	20	20	20	20	20	20	20	20	20
Refrigerant			R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Refrigerant charge		kg	136	170	188	212	264	289	328	372	410	450
Oil charge		kg	30	44	38	38	60	60	60	60	62	64
NOISE LEVEL												
Noise Pressure	(3)	dB(A)	80	80	79	81	81	81	80	80	82	82
Noise Power	(4)	dB(A)	98	98	98	100	100	100	100	100	102	102
SIZE AND WEIGHT												
A	(5)	mm	2950	3310	3310	3310	4475	4475	4570	4600	4600	4600
B	(5)	mm	1320	1425	1445	1480	1410	1405	1435	1495	1495	1495
H	(5)	mm	1805	1935	2000	2150	2250	2250	2380	2500	2500	2500
Operating weight	(5)	kg	3130	4010	4130	4520	6140	6880	7520	7990	8120	8410

Notes:

Unit performances with inverter driven compressor rotating at nominal speed. These performances are the ones published in the Eurovent website.

1 Plant (side) cooling exchanger water (in/out) = 12,0°C/7,0°C; Source (side) heat exchanger water (in/out) = 30,0°C/35,0°C

2 Values in compliance with EN14511-3:2011

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4 Sound power on the basis of measurements made in compliance with ISO 9614.

5 Unit in standard configuration/execution, without optional accessories

- Unavailable