



FX-W-Z 0551-1752

Chiller, water source for indoor installation, from 124kW to 399kW.



VPF VAR. PRIM. FLOW

R HFC R-134a

COOLING

T SHELL & TUBES

SCREW

FX-W-Z			0551	0651	0751	0851	0951	1102	1302	1402	1502	1602	1752
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	400/3/50
PERFORMANCE													
COOLING ONLY (GROSS VALUE)													
Cooling capacity	(1)	kW	124	140	166	198	222	252	285	32	345	366	401
Total power input	(1)	kW	24,5	27,3	34,1	38,9	44,2	49,0	54,6	61,5	68,4	73,0	83,2
EER	(1)	kW/KW	5,07	5,15	4,88	5,10	5,02	5,15	5,22	5,07	5,05	5,02	4,81
COOLING ONLY (EN14511 VALUE)													
Cooling capacity	(2)	kW	124	140	166	198	221	251	284	311	344	365	399
EER	(2)	kW/KW	4,90	4,97	4,69	4,90	4,82	4,96	5,03	4,88	4,88	4,85	4,66
ESEER	(2)	kW/KW	5,53	5,57	5,48	5,51	5,44	5,75	5,75	5,70	5,69	5,63	5,59
Cooling energy class			B	B	B	B	B	B	B	B	B	B	B
SEPR HT	(7)(8)		7,05	7,11	7,02	7,05	7,04	7,05	7,11	7,08	7,08	7,03	7,01
COOLING													
16°/10°C													
Cooling capacity	(9)	kW	138	156	184	220	245	280	316	345	382	405	443
Total power input	(9)	kW	25,5	28,4	35,7	40,6	46,2	51,2	57	64,3	71,3	75,9	86,3
EER	(9)	kW/KW	5,39	5,48	5,15	5,41	5,31	5,46	5,55	5,37	5,36	5,34	5,13
23°/15°C													
Cooling capacity	(10)	kW	161	183	215	258	288	328	373	405	448	475	518
Total power input	(10)	kW	25,9	29	36,1	40,9	46,7	51,9	58	65,3	72,5	76,9	87
EER	(10)	kW/KW	6,22	6,32	5,95	6,3	6,16	6,32	6,42	6,21	6,19	6,18	5,95
EXCHANGERS													
HEAT EXCHANGER USER SIDE IN REFRIGERATION													
Water flow	(1)	l/s	5,94	6,72	7,95	9,48	10,60	12,07	13,63	14,91	16,51	17,51	19,16
Pressure drop	(1)	kPa	19,8	19,7	27,6	33,0	41,2	41,0	38,5	46,1	32,0	36,0	43,0
HEAT EXCHANGER SOURCE SIDE IN REFRIGERATION													
Water flow	(1)	l/s	7,09	7,99	9,55	11,29	12,67	14,36	16,18	17,79	19,7	20,92	23,03
Pressure drop	(1)	kPa	21,8	25,6	30,6	26,6	26,2	22,4	26,3	28,9	32,5	28,5	24,5
REFRIGERANT CIRCUIT													
Compressors nr.		N°	1	1	1	1	1	2	2	2	2	2	2
No. Circuits		N°	1	1	1	1	1	2	2	2	2	2	2
Refrigerant charge		kg	22,0	32,0	30,0	56,0	54,0	44,0	64,0	62,0	60,0	86,0	110
NOISE LEVEL													
Sound Pressure	(3)	dB(A)	75	75	76	76	76	77	77	78	78	78	78
Sound power level in cooling	(4)(5)	dB(A)	92	92	93	93	93	95	95	96	96	96	96
SIZE AND WEIGHT													
Length	(6)	mm	2600	2600	2600	3000	3000	3000	3000	3000	3200	3200	3200
Width	(6)	mm	940	940	940	940	940	1100	1100	1100	1200	1200	1200
Height	(6)	mm	1500	1500	1500	1500	1500	1600	1600	1600	1700	1700	1700
Operating weight	(6)	kg	1090	1150	1320	1470	1470	1770	1880	2040	2320	2450	2590

Notes:
 1 Plant (side) cooling exchanger water (in/out) 12°C/7°C; Source (side) heat exchanger water (in/out) 30°C/35°C.
 2 Values in compliance with EN14511-3:2013.
 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 Sound power level in cooling, indoors.
 6 Unit in standard configuration/execution, without optional accessories.
 7 Seasonal energy efficiency of high temperature process cooling [REGULATION (EU) N. 2281/2016].
 8 Seasonal Energy Efficiency of Process Cooling.
 9 User side heat exchanger water temperature (in/out) 16°C/10°C; source side heat exchanger water temperature (in/out) 30°C/35°C.
 10 User side heat exchanger water temperature (in/out) 23°C/15°C; source side heat exchanger water temperature (in/out) 30°C/35°C.
The units highlighted in this publication contain HFC R134a [GWP₁₀₀ 1430] fluorinated greenhouse gases.
Certified data in EUROVENT

“BY FAR THE BEST PROOF IS EXPERIENCE”

Sir Francis Bacon
 British philosopher
 (1561-1626)

COLOZÜRI
 Zurich - Switzerland



Data Center

Cooling capacity:
 340 kW
Installed machines:
 1x FOCS-W water cooled chiller

CNES
 Centre National d'Etudes Spatiales
 Saint Denis - France



Data Center

Cooling capacity: 432 kW
Installed machines:
 12x Rack cooler units,
 1x FOCS-W water cooled chiller,
 4x Close Control units

IBM
 Warsaw - Poland



Data Center

Cooling capacity: 1800 kW
Installed machines:
 3x FOCS-ME condenserless chiller,
 13x AC Close control units,
 2x FOCS-W water cooled chillers



just cool IT