

CHAZAPIS COMMISSIONING

Coaching in HVAC Energy Management

Electricity EU	Primary	kgCO ₂ /kWh	
	2,5	100	%
3	120	%	0,296
3,3	132	%	0,296
3,4	136	%	0,296
3,7	148	%	0,296
4	160	%	0,296
4,35	174	%	0,296
4,55	182	%	0,296
5,1	204	%	0,296
5,5	220	%	0,296
6,1	244	%	0,296
6,5	260	%	0,296
6,8	272	%	0,296

COOLING FROM JAN 2018

	$\eta_{z,c}$ (*)
Air-to-water chillers with rated cooling capacity < 400 kW, when driven by an electric motor	149
Air-to-water chillers with rated cooling capacity \geq 400 kW when driven by an electric motor	161
Water/brine to-water chillers with rated cooling capacity < 400 kW when driven by an electric motor	196
Water/brine to-water chillers with \geq 400 kW rated cooling capacity < 1 500 kW when driven by an electric motor	227
Water/brine to-water chillers with rated cooling capacity \geq 1 500 kW when driven by an electric motor	245

CHAZAPIS COMMISSIONING

HEATING FROM JAN 2018

Air-to-air heat pumps, driven by an electric motor, except rooftop heat pumps	133
Rooftop heat pumps	115
Air-to-air heat pumps, driven by an internal combustion engine	120

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COOLING FROM JAN 2021

	$\eta_{z,c}$ (*)
Air-to-water chillers with rated cooling capacity < 400 kW, when driven by an electric motor	161
Air-to-water chillers with rated cooling capacity \geq 400 kW when driven by an electric motor	179
Water/brine to-water chillers with rated cooling capacity < 400 kW when driven by an electric motor	200
Water/brine to-water chillers with \geq 400 kW rated cooling capacity < 1 500 kW when driven by an electric motor	252
Water/brine to-water chillers with rated cooling capacity \geq 1 500 kW when driven by an electric motor	272

HEATING FROM JAN 2021

Air-to-air heat pumps, driven by an electric motor, except rooftop heat pumps	137
Rooftop heat pumps	125
Air-to-air heat pumps, driven by an internal combustion engine	130