

RPE X - HPE X 195÷300

Water refrigerators and air / water heat pumps with axial fans



Model	Power Thermal kW	Power Refrigeration kW	Code	€
RPE X 195 cold only standard	196	-	38611405	55.806,00
RPE X 220 cold only standard	223	-	38611406	56.905,00
RPE X 250 cold only standard	247	-	38611407	58.331,00
RPE X 270 cold only standard	272	-	38611408	66.914,00
RPE X 300 cold only standard	299	-	38611409	73.009,00
RPE X 195 only super silenced cold	196	-	38611502	64.304,00
RPE X 220 only super silenced cold	223	-	38611503	65.406,00
RPE X 250 only super silenced cold	247	-	38611504	66.851,00
RPE X 270 only super silenced cold	272	-	38611505	74.854,00
RPE X 300 only super silenced cold	299	-	38611506	84.365,00
HPE X 195 standard heat pump	196	225	38611415	68.300,00
HPE X 220 standard heat pump	223	253	38611416	69.934,00
HPE X 250 standard heat pump	247	279	38611417	72.963,00
HPE X 270 standard heat pump	272	309	38611418	81.883,00
HPE X 300 standard heat pump	299	333	38611419	90.041,00
HPE X 195 super silenced heat pump	196	225	38611512	78.708,00
HPE X 220 super silenced heat pump	223	253	38611513	80.375,00
HPE X 250 super silenced heat pump	247	279	38611514	83.622,00
HPE X 270 super silenced heat pump	272	309	38611515	91.598,00
HPE X 300 super silenced heat pump	299	333	38611516	104.046,00

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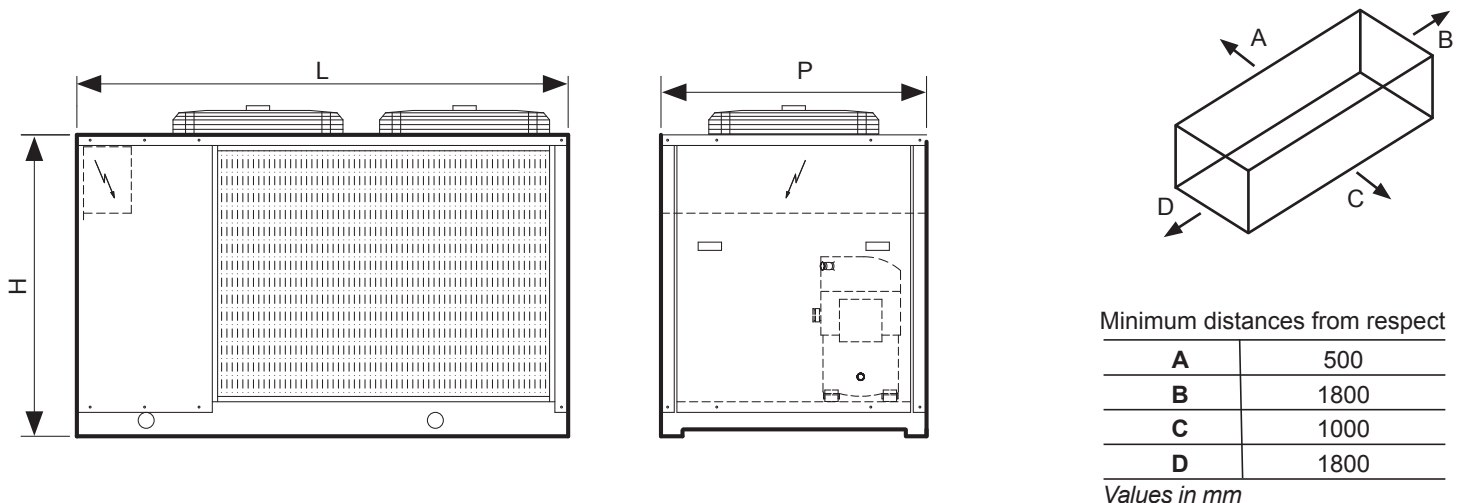
Factory fitted accessories RPE X - HPE X 195÷300

	Code	€
Magnetothermic switches	38600481	2.310,00
Unit Silencing	38600482	1.251,00
Condensation control up to 0 °C	38600483	482,00
Condensation control up to -20 °C	38600484	1.841,00
Device for operation with low water temperature	38600485	4.495,00
Stopper superheating	38600486	3.637,00
Total heat recovery unit	38600487	11.286,00
Circulation pump	38600489	3.320,00
Double circulation pump	38600490	7.428,00
RS 485 serial interface RS 485	38600493	911,00

Accessories supplied separately RPE X - HPE X 195÷300

High/low pressure gauges	38600491	455,00
Remote control panel	38600492	993,00
Battery protection networks	38600494	924,00
Rubber anti-vibration mounts	38600495	1.175,00

Dimensions RPE X - HPE X 195÷300



RPE X - HPE X	RPE X - HPE 195	RPE X - HPE 220	RPE X - HPE 250	RPE X - HPE 270	RPE X - HPE 300
L Standard	2800	2800	2800	2800	4000
L Super Silenziata	2800	2800	2800	2800	4000
P Standard	2200	2200	2200	2200	2200
P Super Silenziata	2200	2200	2200	2200	2200
H Standard	2100	2100	2100	2100	2100
H Super Silenziata	2100	2100	2100	2100	2100

Values in mm

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Technical data table RPE X - HPE X 195÷300

DESCRIZIONE	U.M.	RPE X-HPE X195	RPE X-HPE X 220	RPE X-HPE X 250	RPE X-HPE X 270	RPE X-HPE X 300
Cooling capacity ⁽¹⁾	kW	196	223	247	272	299
Power consumption ⁽¹⁾	kW	69,7	80,8	86,5	95,3	106,0
Cooling capacity ^(1A)	kW	195	222	246	271	298
Power consumption ^(1A)	kW	70,7	81,8	87,5	96,3	107
EER ^(1A)	W/W	2,76 - C	2,71 - C	2,81 - C	2,81 - C	2,79 - °C
Thermal power ⁽²⁾	kW	225	253	279	309	333
Power consumption ⁽²⁾	kW	73,9	84,2	91,1	103,0	109,0
Thermal power ^(2A)	kW	225	253	279	309	333
Power consumption ^(2A)	kW	73,9	84,2	91,1	103,0	109,0
COP ^(2A)	W/W	3,04 - B	3,00 - B	3,06 - B	3,00 - B	3,05 - B
Compressors	n.	3+3				4+4
Refrigerant circuits	n.	2				
Partialization steps	n.	6				8
Water flow	l/s	9,4	10,7	11,8	13,0	14,3
Losses of load	kPa	40	51	62	54	50
Hydraulic connections		3"				

Silenced version (optional)

Fans	n.	4				
Air flow	m ³ /s	20,5		19,4		22,5
Absorbed power	kW	8,0				

Super Silenced version

Fans	n.	4			6
Air flow	m ³ /s	15,3			25,0
Absorbed power	kW	5,1		7,6	

Power supply		400V/3+N/50Hz				
Max operating current	A	158	172	182	203	224
Max starting current	A	182	304	311	332	356
Sound pressure Standard ⁽³⁾	dB(A)	66,5	66,5	67,5	69,5	67,5
Silenced sound pressure ⁽³⁾	dB(A)	63,5	63,5	64,5	66,5	64,5
Super Silenced Sound Pressure ⁽³⁾	dB(A)	57,5	57,5	59,5	61,5	58,5
Pump power	kW	3,0		4,0		5,5
Useful prevalence	kPa	199	167	228	215	237
Expansion vessel	l	18				
Hydraulic connections	mm	DN 100				
Shipping weight ⁽⁴⁾	Kg	1654	1674	1763	1961	2199
Weight in operation ⁽⁴⁾	Kg	1670	1690	1780	1980	2220

(1) Chilled water from 12 to 7 ° C, outdoor air temperature 35 ° C

(1A) Chilled water from 12 to 7 ° C, external air temperature 35 ° C - EN14511

(2) Heated water from 40 to 45 ° C, outdoor air temperature 7 ° C b.d. / 6 ° C b.h.

(2A) Heated water from 40 to 45 ° C, outdoor air temperature 7 ° C b.d. / 6 ° C b.h. - EN14511

(3) Average sound pressure level measured in free field at 1 m from the unit (Q = 2) according to ISO 3744

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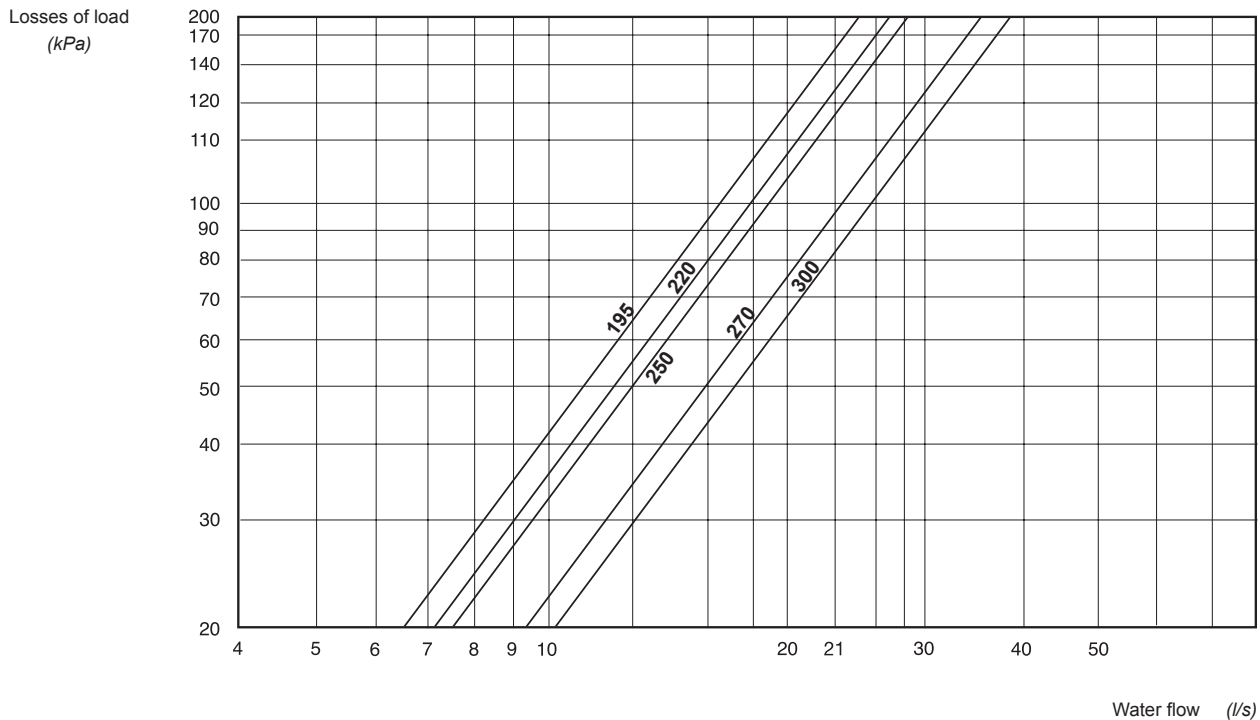
Operating limits RPE X - HPE X 195÷300

DESCRIPTION	U.M.	Cooling		Heating	
		min	max	min	max
Inlet water temperature	°C	8	20	25	45
Outlet water temperature	°C	5**	15	30	50
Water heat jump	°C	3	9	3	10
Outdoor air temperature	°C	10*	46	-10	20
Minimum water temperature chilled with the use of glycol	°C	- 8**		-	
Max working pressure	kPa	1000			
Water exchanger side					

* Can be increased to -20 °C with condensation control accessory

** For temperatures below 5 °C the accessory is required (device for operation with low water temperature)

RPE X circuit load losses - HPE X 195÷300



Evaporator water flow limits RPE X - HPE X 195 ÷ 300

Model	U.M.	195	220	250	270	300
Minimum flow rate	l/s	5,8	6,5	6,8	7,7	8,6
Maximum capacity	l/s	35				