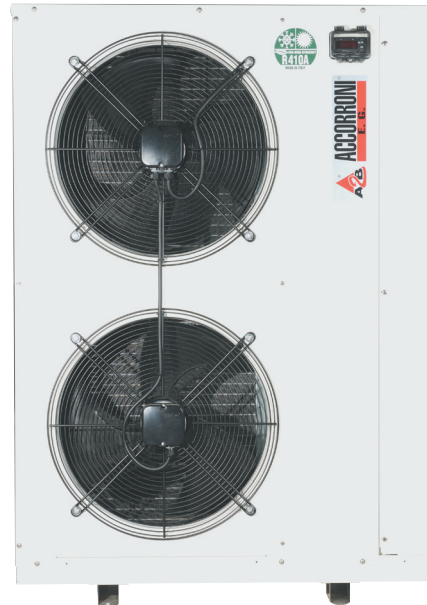


RPE X - HPE X 5÷17

Refrigerators and Heat Pumps axial fans



mod. RPE X 5 - HPE X 5



mod. RPE X 10 - HPE X 10

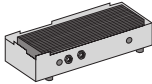
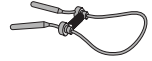
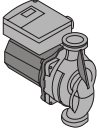


Model	Heat Output kW	Cool Output kW	Code	€
RPE X 5 R410A only cooling	-	4,78	36500800	4.320,00
RPE X 7,5 R410A only cooling	-	6,35	36520800	4.860,00
RPE X 8,5 R410A only cooling	-	7,37	36530800	5.180,00
RPE X 10 R410A only cooling	-	9,54	36540800	7.320,00
RPE X 13 R410A only cooling	-	12,69	36550800	7.560,00
RPE X 15 R410A only cooling	-	13,71	36570800	8.040,00
RPE X 17 R410A only cooling	-	14,73	36590800	8.440,00

HPE X 5 R410A heat pump	5,50	4,45	36500801	4.880,00
HPE X 7,5 R410A heat pump	7,45	5,96	36520801	5.400,00
HPE X 8,5 R410A heat pump	8,28	6,98	36530801	5.700,00
HPE X 10 R410A heat pump	10,50	9,05	36540801	7.880,00
HPE X 13 R410A heat pump	12,60	10,20	36550801	8.540,00
HPE X 15 R410A heat pump	15,40	12,94	36570801	8.620,00
HPE X 17 R410A heat pump	16,54	13,96	36590801	9.040,00

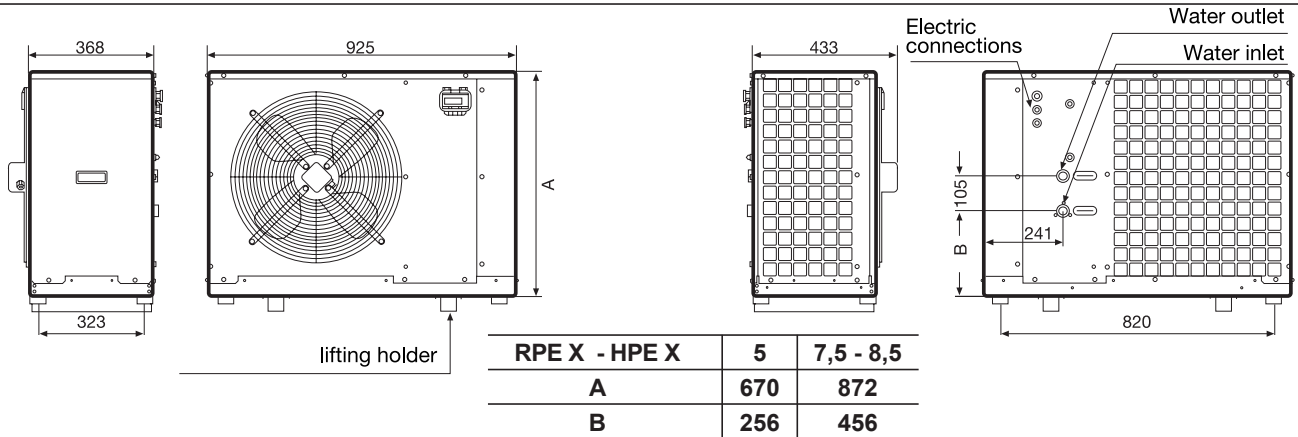
RPE X - HPE X 5÷17

Refrigerators and Heat Pumps axial fans

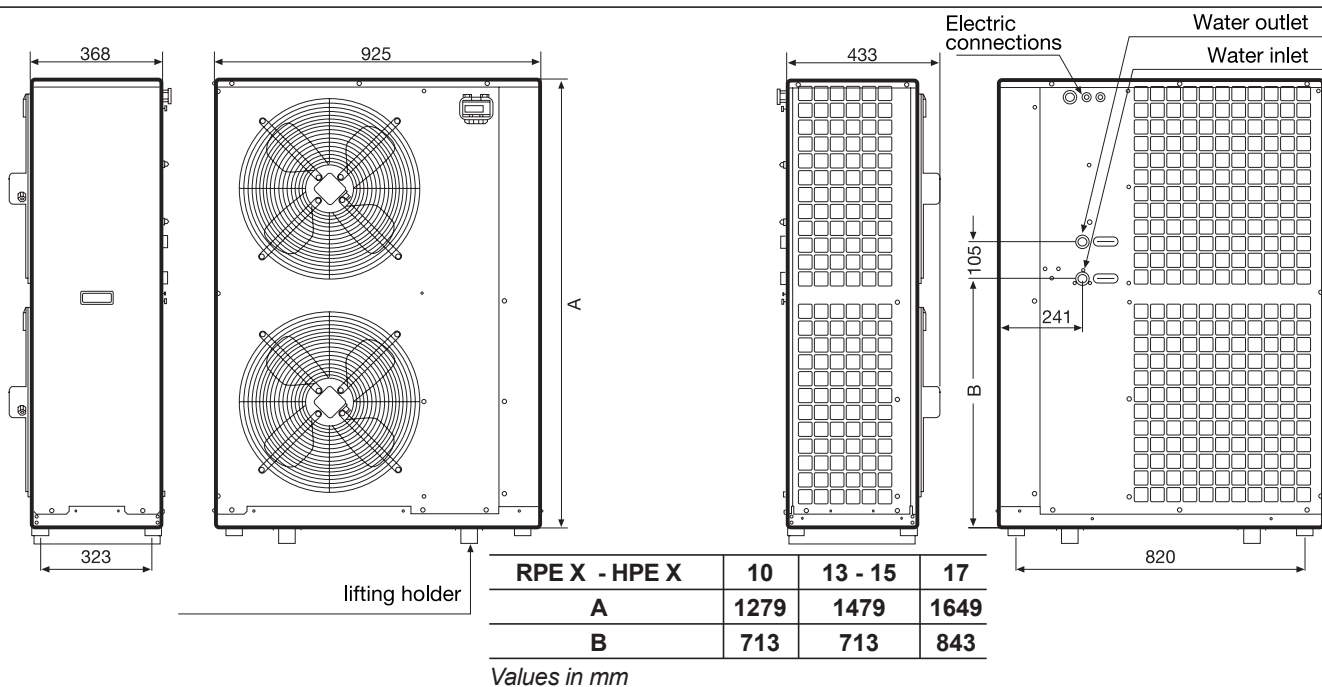
Accessories RPE X - HPE X 5÷17

		Code	€
	Stainless steel water tank 28 l	36506310	700,00
		mod. 5	36507401
		mod. 7,5 - 8,5	36527401
		mod. 10 - 13	36547401
		mod. 15 - 17	36577401
	High head pump - optional	36506010	300,00
	Kit vibration absorber with fixing plate (models 5÷15; included in the delivery for model 17)	36509901	98,00
	Remote control ON - OFF Summer/Winter	36625000	180,00

DimensionS RPE X - HPE X 5 - 7,5 - 8,5



Dimensions RPE X - HPE X 10 - 13 - 15 - 17

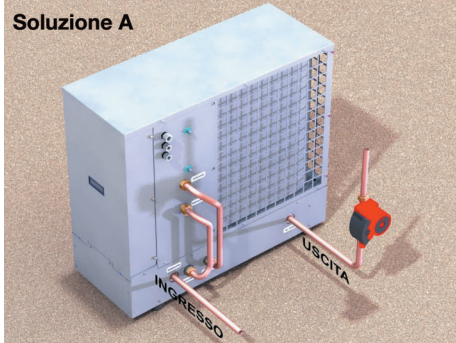


RPE X - HPE X 5÷17

Refrigerators and Heat Pumps axial fans

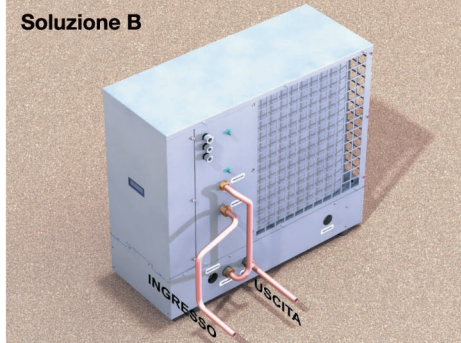
Installation of water tank kit on RPE X - HPE X 5÷17 (pipes are not included)

with 3 different types of installation:



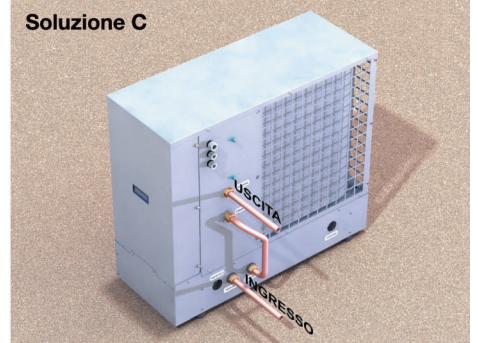
Soluzione A

In this configuration the tank is used as water storage and water circuit breaker. An extra pump is required.



Soluzione B

In this configuration the tank is used as heat storage and provide heat inertia to the system. The tank is supplied by heat/cold water outlet..

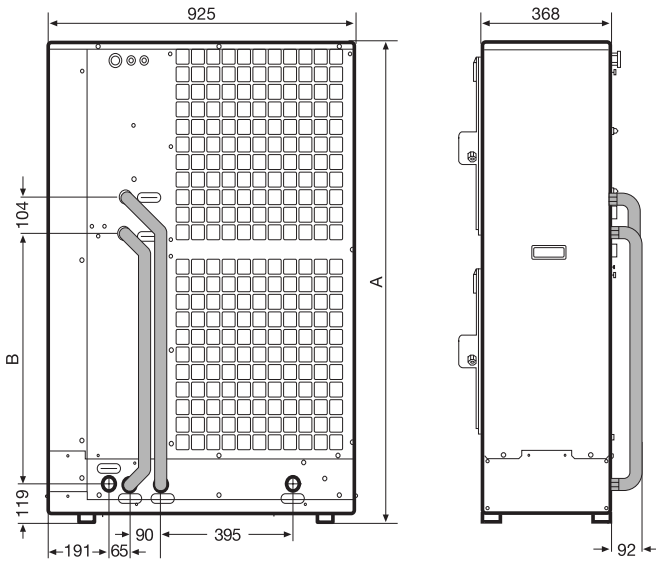


Soluzione C

In this configuration the tank is supplied by the return water from the connected plant. The hot/cold water is directly supplied to the connected plant.

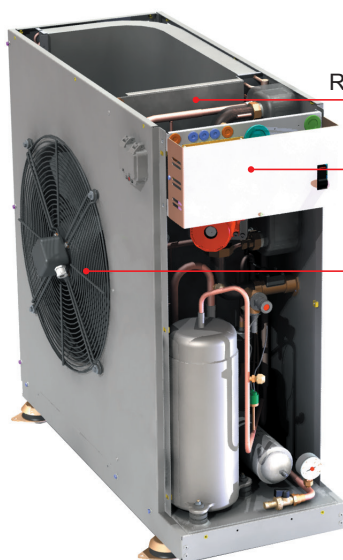
Note: A2B Accorroni E.G. does not provide the connection pipes of the various configurations illustrated above

Example dimensions kit hydro RPE X - HPE X 5÷17



Model	A	B
RPE X - HPE X 5	826	291
RPE X - HPE X 7,5 - 8,5	1026	491
RPE X - HPE X 10	1433	748
RPE X - HPE X 13 - 15	1633	878
RPE X - HPE X 17	1833	878

Values in mm



Refrigerant gas/water heat-exchange

Control panel

Fan

Electric box

Electrical connection

Water circulation pump

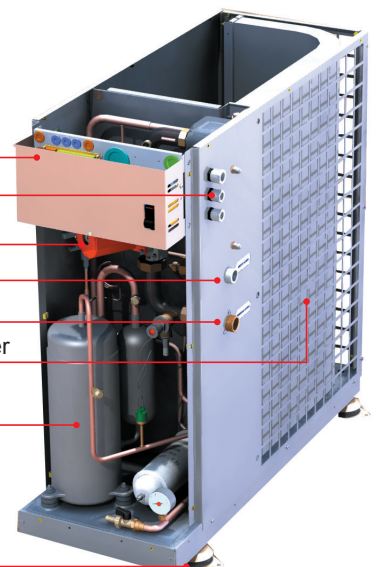
Water outlet

Water inlet

Air/refrigerant gas heat-exchanger

Compressor

Vibration absorber



RPE X - HPE X 5÷17

Refrigerators and Heat Pumps axial fans

Technical datasheet refrigerators RPE X 5÷17

DESCRIPTION	U.M.	RPE X 5	RPE X 7,5	RPE X 8,5	RPE X 10	RPE X 13	RPE X 15	RPE X 17
Cool output 1)	kW	4,78	6,35	7,37	9,54	12,69	13,71	14,73
Total power input	kW	1,97	2,65	3,09	3,96	5,30	5,74	6,18
Current peak 2)	A	36,8	61,0	63,0	36,8	61,0	63,0	63,0
Total absorbed current 2)	A	8,82	11,3	13,2	16,9	22,6	24,5	26,3
Auxiliary power input L1	kW	NA			0,45	0,46	0,48	0,49
Compressors 1/2 input power L2/L3	kW	NA			1,75	2,42	2,63	2,84
Absorbed current L1	A	NA			2,02	2,04	2,13	2,17
Absorbed current L2/L3	A	NA			7,43	10,27	11,16	12,08
EER	W/W	2,47	2,44	2,43	2,45	2,43	2,42	2,43
Nominal water flow rate	l/h	822	1.092	1.268	1.641	2.183	2.358	2.534
Min. water flow rate	l/h	514	683	792	1.026	1.364	1.474	1.583
Standard pump's head	kPa	39,0	50,0	49,8	40,0	44,0	43,0	58,0
Pump's head - high head version 3)	kPa	NA	90,2	90,0	75,0	70,0	55,0	NA
Total power input	kW	NA	2,71	3,15	4,02	5,36	5,81	NA
EER	W/W	NA	2,42	2,42	2,44	2,43	2,41	NA
Output steps		1			2			
Cool output at partial load (compressors 1/2)	kW	NA			5,20	5,46 / 8,12	7,65	8,20
Power input at partial load (compressors 1/2)	kW	NA			2,03	2,10 / 3,05	2,94	3,14
EER at partial load	W/W	NA			2,64	2,71 / 2,74	2,68	2,71
Max power input 2) 4)	kW	2,43	3,27	3,81	4,88	6,53	7,07	7,62
Max absorbed current 2) 4)	A	10,4	14,1	16,4	21,0	28,1	30,5	32,8
Max power input L1/L2 4)	kW	NA			2,21	3,04	3,30	3,56
Max absorbed current L1/L2 4)	A	NA			9,8	13,5	14,6	15,8
Circuit breaker (L1-L2/L3)	A	16		20	10-16	10-16	10-20	10-20
Power supply		230V/1/50Hz			230V/1/50Hz - 400V/3+N/50Hz			
Protection class		IP 24						
Outdoor air temperature dry bulb min - max	°C	da -10 a +45						
Inlet water temperature min – max	°C	da 0 a +23						
Max. glycol content	%	35						
Max water pressure	kPa	300						
n° of circuits	n.	1						
n° of compressors	n.	1			2			
Compressors type		Rotativo						
Refrigerant gas		R410A						
Max refrigerant gas pressure	kPa	4200						
Refrigerant gas charge	kg	1,10	1,35	1,30	2,20	2,80	2,80	2,90
Pressure vessel	l	1			2		4	
Max pressure Max	kPa	600						
Pre-charged pressure	kPa	150						
Hydraulic connection	"	1						
Hydraulic circuit water content	l	0,616	0,710	0,850	0,980	1,080	1,120	1,150
Min plant water content	l	10	16		10	16		
Fan - Nr by diameter	n./mm	1/450			2/450			
Nominal air flow rate	m³/h	2200	3000	3200	4400	6000	6200	6400
Sound pressure 5)	dB(A)	40,2	41,5	42,0	43,2	44,5	44,8	45,0
Net weight	kg	67	81	85	124	136	142	149

1) Cooling: Air temperature 35 °C dry bulb inlet water 12 °C ΔT 5 °C

2) Values for single phase charge

3) Optional mounted at the factory

4) Water inlet 23 °C ΔT 5 °C

5) At 10 m free field, direction factor (Q) = 2

NA = not applicable

RPE X - HPE X 5÷17

Refrigerators and Heat Pumps axial fans

Technical datasheet refrigerators HPE X 5÷17

DESCRIPTION	U.M.	HPE X 5		HPE X 7,5		HPE X 8,5		HPE X 10		HPE X 13		HPE X 15		HPE X 17	
		Cold	Heat	Cold	Heat	Cold	Heat	Cold	Heat	Cold	Heat	Cold	Heat	Cold	Heat
Cool output 1)	kW	4,45	5,50	5,96	7,45	6,98	8,28	9,05	10,50	10,20	12,60	12,94	15,40	13,96	16,54
Total power input	kW	1,96	1,98	2,67	2,69	3,09	2,95	3,94	3,99	4,48	4,38	5,73	5,86	6,12	6,13
Current peak 2)	A	36,80		61,0		63,0		16,9		22,6		24,5		26,3	
Total absorbed current 2)	A	8,3	8,4	11,4	11,5	13,2	12,6	16,8	17,0	19,1	18,7	24,4	25,0	26,1	26,2
Auxiliary power input L1	kW	NA						0,46	0,48	0,46	0,48	0,51	0,51	0,51	0,51
Compressors 1/2 input power L2/L3	kW	NA						1,74	1,75	2,01	1,95	2,61	2,67	2,81	2,81
Absorbed current L1	A	NA						2,0	2,1	2,0	2,1	2,3	2,3	2,3	2,3
Absorbed current L2/L3	A	NA						7,4	7,4	8,5	8,3	11,1	11,3	11,9	11,9
EER/COOP	W/W	2,31	2,78	2,27	2,77	2,30	2,81	2,33	2,63	2,32	2,88	2,31	2,63	2,31	2,70
Nominal water flow rate	l/h	765	946	1.025	1.281	1.201	1.424	1.557	1.806	1.754	2.167	2.226	2.649	2.401	2.845
Min. water flow rate	l/h	478	591	641	801	751	890	973	1.129	1.096	1.354	1.391	1.656	1.501	1.778
Standard pump's head	kPa	41,5	34,0	50,0	43,0	49,8	47,6	43,2	39,0	50,0	39,9	58,0	38,0	40,0	38,8
Pump's head - high head version 3)	kPa	NA		90,2	82,4	90,0	86,0	75,0	72,8	70,0	45,0	NA			
Total power input	kW	NA		2,71	2,74	3,14	3,00	4,02	4,06	4,53	4,44	NA			
EER/COOP	W/W	NA		2,31	2,72	2,30	2,76	2,31	2,59	2,32	2,84	NA			
Output steps		1						2							
Cool output at partial load (compressors 1/2)	kW	NA						5,10	5,80	4,75/6,52	5,98/7,53	6,26	7,73	7,13	8,81
Power input at partial load (compressors 1/2)	kW	NA						2,01	2,04	1,94/2,60	2,05/2,66	2,69	2,75	2,99	3,08
EER/COOP at partial load	W/W	NA						2,62	2,84	2,55/2,59	2,91/2,84	2,44	2,81	2,50	2,86
Max power input 2) 4)	kW	2,41	2,44	3,29	3,31	3,81	3,63	4,86	4,91	5,52	5,40	7,06	7,22	7,55	7,56
Max absorbed current 2) 4)	A	10,4	10,5	14,2	14,2	16,4	15,6	20,9	21,2	23,8	23,2	30,4	31,1	32,5	32,5
Max power input L1/L2 4)	kW	NA						2,20	2,22	2,53	2,46	3,28	3,36	3,52	3,52
Max absorbed current L1/L2 4)	A	NA						9,8	8,8	11,2	10,9	14,5	14,9	15,6	15,6
Circuit breaker (L1-L2/L3)	A	16				20		10-16				10-20			
Power supply		230V/1/50Hz						230V/1/50Hz - 400V/3+N/50Hz							
Protection class		IP 24													
Outdoor air temperature dry bulb min-max	°C	da -10 a +45 in Cooling / da -10 a +20 Heating													
Inlet water temperature min-max	°C	da 0 a +23 in Cooling / da +30 a +50 Heating													
Max. glycol content	%	35													
Max water pressure	kPa	300													
n° of circuits	n.	1													
n° of compressors	n.	1						2							
Compressors type		Rotative													
Refrigerant gas		R410A													
Max refrigerant gas pressure	kPa	4200													
Refrigerant gas charge	kg	1,25		1,60		1,60		2,45		3,10		3,10		3,20	
Pressure vessel	l	1						2				4			
Max pressure Max	kPa	600													
Pre-charged pressure	kPa	150													
Hydraulic connection	"	1													
Hydraulic circuit water content	l	0,616		0,710		0,850		0,980		1,080		1,120		1,150	
Min plant water content	l	10		16				10				16			
Fan - Nr by diameter	n./mm	1/450						2/450							
Nominal air flow rate	m³/h	2200		3000		3200		4400		6000		6200		6400	
Sound pressure 5)	dB(A)	40,2	41,0	41,5	42,0	42,0	42,5	43,2	43,8	44,5	45,0	44,8	45,2	45,0	45,5
Net weight	kg	72		86		93		135		148		152		164	

1) Cooling: Air temperature 35 °C dry bulb inlet water 12 °C ΔT 5 °C
Heating: air temperature 7 °C dry bulb / 6 °C wet bulb - Water inlet 40 °C ΔT 5 °C

2) Values for single phase charge

3) Optional mounted at the factory

4) Cooling: air temperature 45 °C dry bulb - Water inlet 23 °C ΔT 5 °C

5) At 10 m free field, direction factor (Q) = 2

NA = not applicable