



R-407C

PMC SERIES

AIR-COOLED MINICHILLERS



Standard Features:

- Cooling capacity range 4.3 to 34.9kW in 10 sizes***
- Dual circuit and twin compressor system***
- European dimensions***
- Thermostatic expansion valve***
- PI microprocessor controller***
- Mains disconnect switch***
- Integrated modbus protocol controls with RS485 port***
- Pressure differential switch for evaporator flow control***
- Low temperature protection system***
- Sanyo and Mitsubishi brand compressor***

Options:

- Intelligent pump module system without storage tank***
- Pressure Gauges***
- Low Ambient (-15°C) function***
- Side discharge***
- Condenser protection grill***



STANDARD SPECIFICATIONS

PMC SERIES R-407C

Model			PMC-5	PMC-6	PMC-9	PMC-11	PMC-13	PMC-17	PMC-20	PMC-25	PMC-31	PMC-35
Nominal cooling capacity	EER		2.3	2.2	2.3	2.3	2.3	2.3	1.9	2.0	2.1	2.1
	Kw		4.3	5.8	9.0	11.1	12.9	16.5	20.3	24.9	30.6	34.9
Nominal heating capacity	COP		2.6	2.2	2.6	2.6	2.8	2.0	2.0	2.1	2.2	2.2
	Kw		5.2	6.3	10.1	12.5	15.3	17.1	23.6	28.5	31.8	36.4
Power Supply	V / Ph / Hz		230/1/50					400/3/50				
Optional Power Supply	V / Ph / Hz		N/A			400/3/50			N/A			
Compressor	Brand		Mitsubishi					Sanyo				
	Type		Rotary					Scroll				
	Quantity	nr.	2	2	2	2	2	2	2	2	2	2
	Absobed power	Cooling W	1804	2661	3749	4721	5412	7129	10120	12058	13406	15300
	Absobed power	Heating W	1907	2780	3772	4750	5433	8381	10930	12985	13996	16532
	Running current	Cooling A	8.0	12.1	16.8 / 8.7	21.0 / 8.9	16.3 / 12.7	12.9	17.5	20.4	24.3	26.7
	Running current	Heating A	8.7	12.9	17.0 / 8.9	21.9 / 9.9	24.2 / 14.1	14.6	19.2	21.9	24.7	28.9
Condenser fan motor	nr.	1	1	1	1	1	1	1	1	1	1	
Fan exhaust direction	side / top	side blow					top blow / side blow					
Fan motor absorbed power	W	90	90	240	240	260	580	580	580	750	750	
Fan motor running current	A	0.6	0.6	1.2	1.2	1.5	1.3	1.3	1.3	1.5	1.5	
Condenser material	type	copper tube with alluminium fins										
Dimensions	L	1020	1020	1120	1120	1251	1285	1285	1285	1285	1285	
	W	453	453	453	453	499	499	1091	1091	1091	1091	
	H	844	844	942	942	1044	1086	1086	1086	1086	1086	
Weight	kg	128	132	161	170	195	334	336	338	409	436	
Evaporator	type	plate										
Water connections	in	1	1	1	1	1	1,1/2	1,1/2	1,1/2	1,1/2	1,1/2	
Water flow rate in cooling	L / s	0.205	0.277	0.430	0.530	0.616	0.884	0.970	1.161	1.472	1.668	
Minimum system water content	L	25	35	45	60	70	90	125	140	170	200	
Water pump absorbed power	W	370	370	550	550	550	750	750	750	1500	1500	
Water pump running current	A	2.3	2.3	4.0	4.0	4.0	1.4	1.4	1.4	2.3	2.3	
Usefull pump head outside the unit	kPa	30	31	35	36	48	75	95	140	96	112	
** Sound pressure data	dB (A)	52	52	56	56	60	60	62	64	64	64	
Refrigerant charge R407C circuit A	kg	1.2	1.2	1.4	1.5	1.8	3.3	3.4	3.7	3.7	4.8	
Refrigerant charge R407C circuit B	kg	1.2	1.2	1.4	1.7	1.8	3.3	3.4	3.7	4.9	4.8	

** : sound data under free feeld conditions and at 5 meter distance from the unit at 1.5 meter height measured.

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All capacities are based on :

Cooling: 12.0°C water in, 7.0°C water out, Ambient air temperature 35°C.

Heating: 40°C water in, 45°C water out, ambient air temperature 7°C.



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