

2 Specifications

2 - 1 Specifications

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Technical specifications				MPC1107YA11X	MPC1110YA11X	BPC1112YA11X	MPC2112YA11X	BPC2224YA11X
Power input	Max.		W	900	985	1,100	1,555	2,125
Dimensions	Unit	Height	mm		470			665
		Width	mm		655			925
		Depth	mm		780			1,100
	Packed unit	Height	mm		705			970
		Width	mm		770			990
		Depth	mm		885			1,205
Weight	Unit		kg		56		85	110
	Packed unit		kg		77		125	154
Compressor	Type			Hermetic reciprocating (ON/OFF controlled)				
Condenser	Air flow		m ³ /h		600 (1)			1,800 (1)
Defrost						Hot gas		
Evaporator	Air flow		m ³ /h		550 (1)			900 (1)
	Air throw		m			2 (2)		
Operation range	Cold room	Min.	°C			-5		
		temperature Max.	°C			10		
	Ambient	Min.	°C			5		
		temperature Max.	°C			45		
Refrigerant	Type					R-290		
	GWP					0.02		
	Charge		kg		0.14		0.15	0.11
PED	Category					Category I		
Characteristics of the hole where to accommodate the units (through the wall installation)	Height		mm		550			750
	Width		mm			340		
	Thickness (of ceiling)		m			from 100 to 200		
Operating sound pressure at condenser	Max.		dBA		45 (3)			51 (3)
N° of circuits						1		2

Technical specifications				MPC3220YA11X	MPC3224YA11X	BPC4336YA11X	MPC4336YA11X	BPC4345YA11X
Power input	Max.		W	2,270	2,920	3,335		4,440
Dimensions	Unit	Height	mm		665		775	
		Width	mm			1,050		
		Depth	mm		1,100		1,450	
	Packed unit	Height	mm		970		1,080	
		Width	mm		1,110		1,115	
		Depth	mm		1,210		1,555	
Weight	Unit		kg		120		180	
	Packed unit		kg		164		236	
Compressor	Type			Hermetic reciprocating (ON/OFF controlled)				
Condenser	Air flow		m ³ /h		1,800 (1)		2,500 (1)	
Defrost						Hot gas		
Evaporator	Air flow		m ³ /h		1,600 (1)		2,000 (1)	
	Air throw		m		2 (2)		3 (2)	
Operation range	Cold room	Min.	°C	-25		-5	-25	-5
		temperature Max.	°C	-15		10	-15	10
	Ambient	Min.	°C			5		
		temperature Max.	°C			45		
Refrigerant	Type					R-290		
	GWP					0.02		
	Charge		kg	0.14			0.15	
PED	Category					Category I		
Characteristics of the hole where to accommodate the units (through the wall installation)	Height		mm		750		1,004	
	Width		mm			460		
	Thickness (of ceiling)		mm			from 100 to 200		
Operating sound pressure at condenser	Max.		dBA			51 (3)		
N° of circuits					2		3	

Electrical specifications				MPC1107YA11X	MPC1110YA11X	BPC1112YA11X	MPC2112YA11X	BPC2224YA11X
Power supply	Voltage		V			230		
	Phase					1N~		
	Frequency		Hz			50		
	Maximum fuse amps (MFA)		A			10		
	Max. current amps (MCA)		A	4.89	5.35	5.99	8.44	11.54
	Total overcurrent amps (TOCA)		A	23	29	36	48	72
	Voltage range	Max.	V			250		
		Min.	V			207		

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Electrical specifications			MPC1107YA11X	MPC1110YA11X	BPC1112YA11X	MPC2112YA11X	BPC2224YA11X
Rated input		kW	0.58	0.75	0.81	1.28	1.6
Rated input		A	3.76	3.68	4.49	6.18	8.54
IP	Class		IPX0				

Electrical specifications			MPC3220YA11X	MPC3224YA11X	BPC4336YA11X	MPC4336YA11X	BPC4345YA11X
Power supply	Voltage	V	230				
	Phase		1N~				
	Frequency	Hz	50				
	Maximum fuse amps (MFA)	A	10				
	Max. current amps (MCA)	A	12.34	15.86	18.13	24.13	24.13
	Total overcurrent amps (TOCA)	A	68	96	108	144	126
	Voltage range	Max.	250				
		Min.	207				
Rated input		kW	1.76	2.34	2.58	3.59	3.02
Rated input		A	8.22	11.34	13.63	17.35	14.95
IP	Class		IPX0				

(1)According to EN ISO 5801 |

(2)According to CECOMAF GT 6-001 (final velocity = 0,25 m/s) |

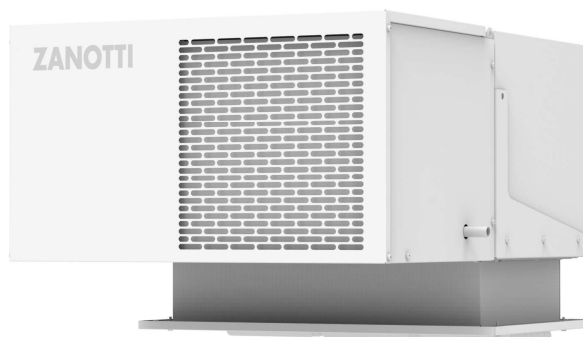
(3)According to UNI EN ISO 3746

1 Features

1 - 1 PC

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- › 1 year warranty
- › CE certified
- › 50 Hz power supply
- › Ambient working temperature: $+5^{\circ}\text{C} \div +45^{\circ}\text{C}$
- › Cold room working temperature: MT $+10^{\circ}\text{C} / -5^{\circ}\text{C}$ | LT $-15^{\circ}\text{C} / -25^{\circ}\text{C}$
- › MT and LT in separate models
- › Hermetic reciprocating compressor
- › Suitable for 110mm **up to 200mm** panels
- › Fin&tube condenser
- › Fin&tube evaporator
- › Filter dryer
- › Thermal expansion valve
- › Condensate evaporation tray with automatic elimination of condensation water
- › Fixed calibration HP switch with automatic reset
- › Hot gas defrost
- › Propane refrigerant charge 150 gr max per circuit
- › Electronic control board
- › Master slave connection
- › Serial output
- › **5m cable for power supply**
- › Predisposition for connection of «Man in cold room» alarm
- › 2m cold room lighting cable (Light bulb holder and bulb as option)
- › 5m microswitch door cable (Microswitch as option)
- › 5m cable for door heater (LT units only)
- › **5m cable for remote control panel**



4 Capacity tables

4 - 1 Cooling Capacity Tables

PC

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MPC1107YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	1026	934	747	674
	43	1060	969	776	704
	40	1119	1027	827	753
	35	1229	1131	917	783
	32	1296	1191	969	828
	30	1339	1227	1001	853
	25	1429	1296	1057	893
	20	1480	1319	1068	917
	15	1525	1354	1100	986
	10	1658	1480	1208	1036
	5	1746	1553	1270	1085

MPC1110YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	1372	1108	1049	779
	43	1407	1133	1085	801
	40	1476	1189	1151	849
	35	1624	1314	1280	952
	32	1722	1397	1357	1016
	30	1787	1453	1405	1057
	25	1935	1578	1499	1137
	20	2039	1660	1533	1162
	15	2239	1804	1577	1274
	10	2358	1915	1733	1363
	5	2503	2033	1826	1446

MPC2112YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	2462	2003	1504	1253
	43	2545	2073	1553	1299
	40	2686	2195	1648	1387
	35	2945	2423	1837	1559
	32	3098	2559	1955	1662
	30	3195	2644	2029	1725
	25	3393	2813	2180	1843
	20	3496	2889	2247	1868
	15	3569	3003	2331	1954
	10	3894	3265	2555	2148
	5	4090	3439	2701	2270

MPC3220YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	2936	2633	2360	1981
	43	2991	2700	2435	2051
	40	3117	2835	2575	2180
	35	3405	3120	2849	2426
	32	3603	3304	3015	2571
	30	3737	3424	3119	2658
	25	4050	3687	3323	2812
	20	4283	3844	3397	2942
	15	5069	4391	3593	2966
	10	5122	4539	3879	3281
	5	5453	4819	4091	3459

MPC3224YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	3884	2783	2505	1972
	43	3950	3270	3014	2363
	40	4110	3305	3181	2496
	35	4494	3630	3538	2799
	32	4765	3865	3768	2998
	30	4950	4028	3917	3126
	25	5391	4413	4232	3391
	20	5731	4698	4396	3507
	15	6107	5091	4913	3943
	10	6493	5449	5272	4239
	5	6879	5807	5630	4535

MPC4336YA11X	According to EN12900/EN13215				
	Qcool [W]	Tcoldroom			
	Tout	10	5	0	-5
	45	6432	5505	4401	3674
	43	6597	5662	4521	3788
	40	6920	5966	4772	4022
	35	7592	6587	5307	4509
	32	8029	6982	5652	4815
	30	8318	7238	5875	5007
	25	8968	7790	6348	5384
	20	9413	8113	6594	5761
	15	10536	8904	7150	6017
	10	10974	9412	7641	6555
	5	11640	9975	8107	6966

BPC1112YA11X	According to EN12900/EN13215			
	Qcool [W]	Tcoldroom		
	Tout	-15	-20	-25
	45	692	624	471
	43	717	629	501
	40	773	689	558
	35	895	805	660
	32	970	869	713
	30	1016	904	738
	25	1096	945	750
	20	1216	1064	871
	15	1322	1154	949
	10	1429	1245	1026
	5	1536	1335	1104

BPC2224YA11X	According to EN12900/EN13215			
	Qcool [W]	Tcoldroom		
	Tout	-15	-20	-25
	45	1607	1195	898
	43	1684	1257	905
	40	1827	1378	1007
	35	2096	1610	1206
	32	2246	1738	1315
	30	2330	1808	1373
	25	2448	1890	1500
	20	2740	2145	1685
	15	2965	2333	1848
	10	3189	2521	2011
	5	3414	2709	2174

BPC4336YA11X	According to EN12900/EN13215			
	Qcool [W]	Tcoldroom		
	Tout	-15	-20	-25
	45	2147	1706	1197
	43	2243	1799	1203
	40	2436	1980	1272
	35	2822	2328	1558
	32	3049	2520	1725
	30	3182	2624	1818
	25	3393	2747	1930
	20	3794	3130	2181
	15	4125	3412	2389
	10	4456	3694	2597
	5	4788	3976	2804

BPC4345YA11X	According to EN12900/EN13215			
	Qcool [W]	Tcoldroom		
	Tout	-15	-20	-25
	45	3333	2552	1883
	43	3485	2679	1987
	40	3750	2906	2180
	35	4218	3312	2530
	32	4466	3523	2708
	30	4600	3632	2795
	25	4759	3729	2837
	20	5291	4198	3250
	15	5674	4519	3515
	10	6057	4840	3780
	5	6440	5161	4045