

Outdoor Unit Models

Product #		MPD18KCH225-O	MPD24KCH215-O	MPD30KCH215-O	MPD36KCH215-O	MPD42KCH215-O	
Technical Performance							
Number of connectable indoor unit	-	1 to 2	2 to 3	2 to 4	2 to 5	2 to 5	
Voltage	Volts	230/208	230/208	230/208	230/208	230/208	
Cooling capacity	Nominal	W (BTU/hr)	5280 (18000)	7034 (24000)	8300 (28400)	9970 (34000)	11430 (39000)
	Min. - max.	W (BTU/hr)	2051 - 6155 (6998 - 21001)	2198 - 9672 (7500 - 33000)	2400 - 9800 (8189 - 33438)	2600 - 10500 (8871 - 35826)	2600 - 12000 (8871 - 40944)
Heating capacity	Nominal	W (BTU/hr)	5570 (19000)	7620 (26000)	8792 (30000)	12460 (42500)	13190 (45000)
	Min. - max.	W (BTU/hr)	2052 - 6624 (7000 - 22600)	2198 - 8200 (7500 - 27978)	2400 - 9500 (8188 - 32414)	2600 - 13000 (8871 - 44356)	2600 - 13500 (8871 - 46062)
Used cooling power input	Nominal	W	1440	1920	2280	2720	3740
Used heating power input	Nominal	W	1520	2050	2350	3350	3650
MCA	A		16	23	20	23	24
Max. over-current protection (MOCP)	A		25	30	30	35	40
SEER	-		22	21	21	21	21
HSPF	-		11	11	11.5	10.5	10.2
EER	W/W		12.5	12.5	12.5	12.5	10.43
COP	W/W		3.66	3.72	3.74	3.70	3.61
ENERGY STAR	-		✓	✓	✓	✓	-
Air flow volume	cfm		1883	2354	2354	4531	4531
Sound level	dB (A)		56	59	59	61	61
Compressor power input	W		1440	2550	4150	4150	4150
Compressor LRA	A		-	-	-	-	-
Compressor RLA	A		10.82	15.82	13.9	15.6	17.8
Fan motor power output	W		60	90	100	170	170
Fan motor RLA	A		0.62	0.59	0.68	0.82	0.82
Refrigerant volume (R410A)	oz (g)		56.5 (1600)	77.6 (2200)	98.8 (2800)	128.8 (3651)	128.8 (3651)
Net weight	lb (kg)		115 (52)	153 (69)	154 (70)	199 (90)	199 (90)
Operating ambient temperature	Cooling	°C (°F)	-18 to 48 (0 to 118)				-18 to 48 (0 to 118)
	Heating	°C (°F)	-20 to 24 (-5 to 75)				-20 to 30 (-5 to 86)
Connection Piping/Refrigerant							
Pre-charge length	ft. (m)		33 (10)	98 (30)	131 (40)	131 (40)	131 (40)
Additional refrigerant charge	oz/ft. (g/m)		0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)
Liquid pipe outer diameter	in.		1/4	1/4	1/4	1/4	1/4
Gas pipe outer diameter	in.		3/8	3/8	3/8	3/8	3/8
Max. height difference outdoor to indoor unit	ft. (m)		33 (10)	33 (10)	49 (15)	49 (15)	49 (15)
Max. height difference between indoor units	ft. (m)		33 (10)	33 (10)	25 (7.5)	25 (7.5)	25 (7.5)
Max. length outdoor to last indoor unit	ft. (m)		33 (10)	66 (20)	82 (25)	82 (25)	82 (25)
Max. total length	ft. (m)		66 (20)	197 (60)	230 (70)	246 (75)	246 (75)



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Indoor Unit Models

Wallmount

Product #			OCD09KCH235-I	OCD12KCH225-I	OCD18KCH205-I	OCD24KCH205-I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)
Heating capacity	Nominal	W (BTU/hr)	3224 (11000)	3810 (13000)	5803 (19800)	6741 (23000)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	4.23 (2.00)
Air flow volume	Min. - max.	cfm	171 / 377	171 / 400	335 / 559	530 / 706
Sound level	Min. - max.	dB (A)	29 / 43	29 / 45	39 / 47	36 / 48
Dimension	L x H x D	in. (mm)	33 1/4 x 11 3/8 x 8 1/4 (845 x 289 x 209)	33 1/4 x 11 3/8 x 8 1/4 (845 x 289 x 209)	38 3/16 x 11 13/16 x 8 13/16 (970 x 300 x 224)	42 7/16 x 12 13/16 x 9 11/16 (1078 x 325 x 246)
Net Weight		lb (kg)	22 (10)	22 (10)	28 (13)	34 (15)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	1/2	5/8	5/8

Console

Product #			CMD09KCHVS-I	CMD12KCHVS-I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3810 (13000)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)
Air flow volume	Min. - max.	cfm	188 / 382	206 / 441
Sound level	Min. - max.	dB (A)	25 / 40	27 / 43
Dimension	L x H x D	in. (mm)	27 5/8 x 23 5/8 x 8 1/2 (701 x 599 x 216)	27 5/8 x 23 5/8 x 8 1/2 (701 x 599 x 216)
Net Weight		lb (kg)	33 (15)	33 (15)
Liquid pipe outer diameter		in.	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8

Floor or Ceiling Unit

Product #			FCD09KCHVS-I	FCD12KCHVS-I	FCD18KCHVS-I	FCD24KCHVS-I
Cooling capacity	Nominal	W (BTU/hr)	2491 (8500)	3488 (11900)	4982 (17000)	6682 (22800)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3839 (13100)	5480 (18700)	8030 (27400)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	265 / 383	265 / 383	294 / 559	412 / 736
Sound level	Min. - max.	dB (A)	36 / 40	36 / 40	40 / 45	44 / 48
Dimension	L x H x D	in. (mm)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)
Net Weight		lb (kg)	88 (40)	88 (40)	88 (40)	99 (45)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	3/8	1/2	5/8

Ductable Unit

Product #			SMD09KCHVS-I	SMD12KCHVS-I	SMD18KCHVS-I	SMD24KCHVS-I
Cooling capacity	Nominal	W (BTU/hr)	2491 (8500)	3488 (11900)	4484 (15300)	6975 (23800)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3839 (13100)	5480 (18700)	8030 (27400)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	147 / 265	176 / 324	294 / 412	324 / 588
Sound level	Min. - max.	dB (A)	31 / 37	32 / 39	33 / 41	34 / 42
ESP		InWg	0.25/0.4	0.3/0.4	0.32/0.4	0.35/0.4
Dimension	L x H x D	in. (mm)	27 5/8 x 7 7/8 x 24 3/16 (701 x 201 x 615)	27 5/8 x 7 7/8 x 24 3/16 (701 x 201 x 615)	35 3/8 x 7 7/8 x 24 3/16 (899 x 201 x 615)	43 5/16 x 7 7/8 x 24 3/16 (1100 x 201 x 615)
Net Weight		lb (kg)	49 (22)	51 (23)	60 (27)	68 (31)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	3/8	1/2	5/8

Cassette

Product #			CCD12KCHVS-I	CCD18KCHVS-I	CCD24KCHVS-I
Cooling capacity	Nominal	W (BTU/hr)	3517 (12000)	4500 (15354)	6682 (22800)
Heating capacity	Nominal	W (BTU/hr)	3810 (13000)	4982 (17000)	8030 (27400)
Dehumidification		pt/hr (l/hr)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	265 / 353	265 / 353	500 / 694
Sound level	Min. - max.	dB (A)	42 / 46	42 / 46	35 / 39
Unit Dimension	L x H x D	in. (mm)	22 3/8 x 9 1/8 x 22 3/8 (569 x 231 x 569)	22 3/8 x 9 1/8 x 22 3/8 (569 x 231 x 569)	33 1/8 x 9 1/2 x 33 1/8 (841 x 241 x 841)
Grille Dimension	L x H x D	in. (mm)	25 1/2 x 1 7/8 x 25 1/2 (648 x 48 x 648)	25 1/2 x 1 7/8 x 25 1/2 (648 x 48 x 648)	37 3/8 x 2 5/16 x 37 3/8 (950 x 58 x 950)
Net Weight		lb (kg)	40 (18)	40 (18)	62 (28)
Liquid pipe outer diameter		in.	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	1/2	5/8

Note that each unit is individually packaged.



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MPD

To order

1 Choose the outdoor unit based on the system capacity required.

2 Choose the appropriate indoor unit combination by referring to the combination table below.

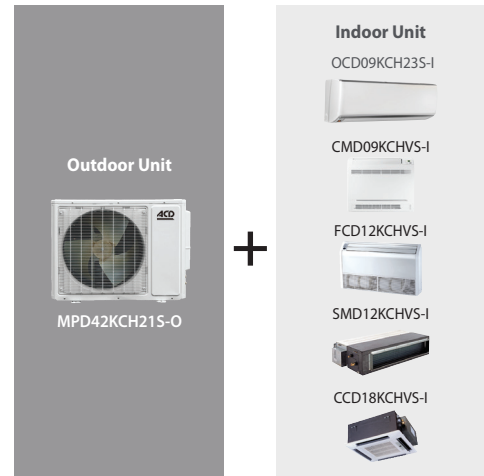
Refer to the legend to find the product # of the indoor units you want to order.

Note that each unit is individually packaged.

Example:

Outdoor unit required:
MPD42KCH21S-O

Indoor unit combination chosen:
09 + 09 + 12 + 12 + 18



Combination Table¹

Outdoor Unit	2 Indoor Units
MPD18KCH22S-O	09 + 09
	09 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
MPD24KCH21S-O	09 + 09	09 + 09 + 09
	09 + 12	09 + 09 + 12
	09 + 18	09 + 09 + 18
	12 + 12	09 + 12 + 12
	12 + 18	12 + 12 + 12
	18 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
MPD30KCH21S-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 12 + 12
	12 + 12	09 + 12 + 12	-
	12 + 18	09 + 12 + 18	-
	18 + 18	12 + 12 + 12	-
-	12 + 12 + 18	-	

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
MPD36KCH21S-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 09 + 18
	09 + 24	09 + 09 + 24	09 + 09 + 09 + 24
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12
	12 + 18	09 + 12 + 18	09 + 09 + 12 + 18
	12 + 24	09 + 12 + 24	09 + 09 + 18 + 18
	18 + 18	09 + 18 + 18	09 + 12 + 12 + 12
	18 + 24	09 + 18 + 24	09 + 12 + 12 + 18
	24 + 24	12 + 12 + 12	12 + 12 + 12 + 12
	-	12 + 12 + 18	-
	-	12 + 12 + 24	-
	-	12 + 18 + 18	-
	-	18 + 18 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
MPD42KCH21S-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09	09 + 09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12	09 + 09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 09 + 18	09 + 09 + 09 + 09 + 18
	09 + 24	09 + 09 + 24	09 + 09 + 09 + 24	09 + 09 + 09 + 09 + 24
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12	09 + 09 + 09 + 12 + 12
	12 + 18	09 + 12 + 18	09 + 09 + 12 + 18	09 + 09 + 09 + 12 + 18
	12 + 24	09 + 12 + 24	09 + 09 + 18 + 18	09 + 09 + 09 + 18 + 18
	18 + 18	09 + 18 + 18	09 + 12 + 12 + 12	09 + 09 + 12 + 12 + 12
	18 + 24	09 + 18 + 24	09 + 12 + 12 + 18	09 + 09 + 12 + 12 + 18
	24 + 24	09 + 24 + 24	09 + 12 + 12 + 24	09 + 12 + 12 + 12 + 12
	-	12 + 12 + 12	09 + 12 + 18 + 18	09 + 12 + 12 + 12 + 18
	-	12 + 12 + 18	09 + 18 + 18 + 18	12 + 12 + 12 + 12 + 12
	-	12 + 12 + 24	12 + 12 + 12 + 12	-
	-	18 + 18 + 18	12 + 12 + 12 + 18	-
	-	18 + 18 + 24	12 + 12 + 12 + 24	-
	-	-	12 + 12 + 18 + 18	-

Legend

Code	BTU/hr
09	9000 BTU/hr
12	12000 BTU/hr
18	18000 BTU/hr
24	24000 BTU/hr

¹ Toutes les combinaisons sont qualifiées ENERGY STAR à l'exception de celles qui incluent l'unité extérieure MPD42KCH21S-O.



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