

Panasonic

RESIDENTIAL HEAT PUMP SOLUTIONS CATALOG



NEW PRODUCT LINE UP

Specifications are subject to change without notice. Always refer to the official service and installation manuals for final specifications.

R454B Refrigerant Compared to R410A Refrigerant



Has **HIGHER COOLING CAPACITY** so increases heat transfer efficiency.



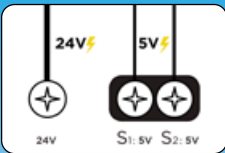
Consumes **LESS ENERGY**, helping you to **SAVE ON ELECTRICITY COSTS**.



Has **ZERO IMPACT** on the ozone layer, and has **LOWER GLOBAL WARMING POTENTIAL**.

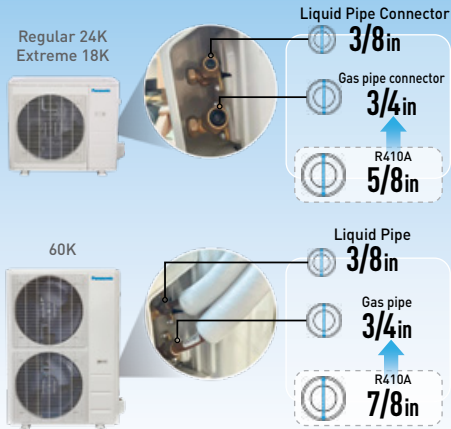
Easy Installation & Service

Easy-to-Connect 24V Connection Board

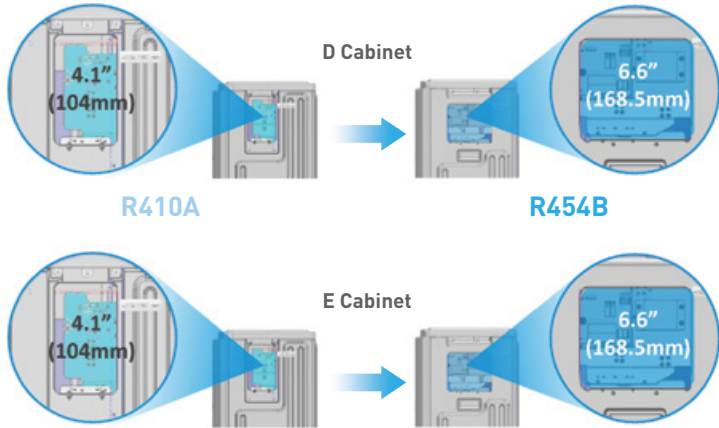


Easy connection
The 24V & S1/S2 terminal are placed separately in the new connection board, so it's easier for the installers to find the right terminals.

Unified Connection Pipes and Valves for 24V Heat Pump



Enlarged Access Panel



Easy to do wiring | Easy to Spot Check

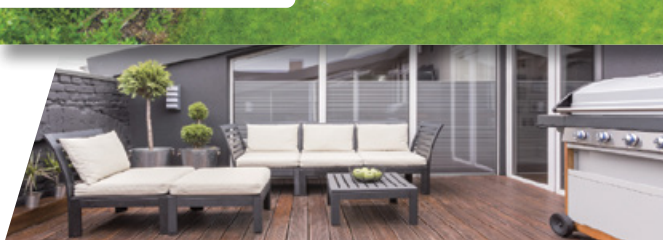
Easy to fit in any space Smaller outdoor unit design.



BACKYARD



PATIO



ROOF/TERRACE/BALCONY



ZERO LOT LINE

INTERIOS™

PRODUCT LINE-UP



Central Heat Pump System with Auxiliary Heater

- Regular Heat and Extreme Heat



Hybrid A-Coil System

- Extreme Heat



New Remote Control

More sleek, modern and easy to use.



Wired
Controller



Wireless
Remote Control

KEY FEATURES

- Designed for cold climate conditions
 - Continuous operation down to -30°C/-22°F
- Flexible communication modes
 - 485 or 24V
- Flexible installation (Vertical or Horizontal)
- A2L refrigerant sensor included
- Easier installation and service (compared to previous R410A refrigerant model)

Cold Climate Capabilities*

There is a solution for
any climate condition

100%

HEATING OUTPUT
down to -15°C (5°F)

-30°C (-22°F)

CONTINUOUS OPERATION
as Cold as -30°C (-22°F)



Auxiliary Heaters

Auxiliary Heaters kits can be added to the the Central Heat Pump System, so both the fast and intense heat from the electric heater, and the efficient and stable heat generated by the heat pump can be offered. The programmable controller activates the Auxiliary Heater as required. This enables the customers to choose the best heating combination for the climate they live in.

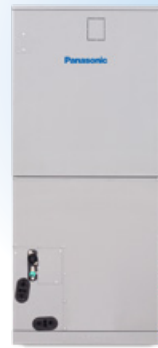
Model Number	Heat Power
CZ-FM03P	3 kW
CZ-FM05P	5 kW
CZ-FM08P	8 kW
CZ-FM10P	10 kW
CZ-FM15P	15 kW
CZ-FM20P	20 kW
CZ-FM25P	25 kW

Communication Modes

485 Mode



Use with included
wired thermostat
controller.



24V Mode

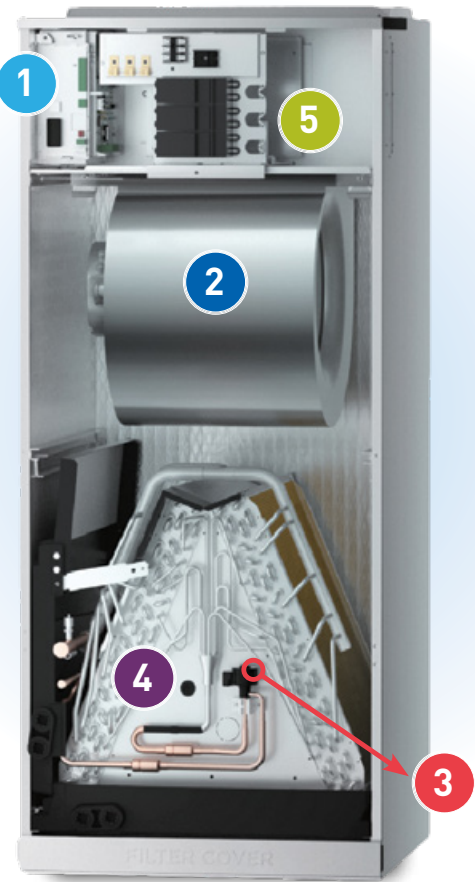


Use with 3rd Party
24V Thermostat.



* Only applicable for the Central Heat Pump System.
Not applicable for the A-Coil System.

Central Heat Pump System



EASY ACCESS

Just remove 2 screws
for access to the electrical
board, blower and heater.



SLIDE-OUT FAN

Easily take out the fan
motor for maintenance.



INTELLIGENT DIAGNOSTICS

Easily accessible service
code display.



MAGNETIC FILTER COVER

One click to replace the
standard filter.



- 1 Compatible with 485 or 24V thermostat connection.
- 2 Constant CFM ECM motor provides consistent airflow up to 0.8 in. w.c.
- 3 Electronic expansion valve (EEV) control: better throttling for highly efficient operation.
- 4 All-Aluminum Coil.
- 5 Optional auxiliary heat kits available up to 25kW.
- 6 Quiet Operation - down to 35 dB(A) level.



MULTI-POSITION AIR HANDLER

Vertical or horizontal
flexible installation.

Central Heat Pump System
(Regular Heat Series)



MODEL	INDOOR UNIT		CS-HM18BAHU			CS-HM24BAHU			CS-HM30BAHU			CS-HM36BAHU			CS-HM48BAHU			CS-HM60BAHU								
	OUTDOOR UNIT		CU-M18BAHU			CU-M24BAHU			CU-M30BAHU			CU-M36BAHU			CU-M48BAHU			CU-M60BAHU								
Power Supply	INDOOR UNIT	V, Phase, Hz	115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz								
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz								
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX						
Cooling	Capacity	Btu/h	5350	18000	20000	7200	24000	27000	10400	30000	34000	8300	36000	38900	16600	48000	49900	21000	54000	55000						
	Input Power	W	400	1635	1900	530	2181	2870	735	2778	3230	710	3600	4500	1400	4800	5350	1800	6200	6410						
Heating	Capacity	Btu/h	5600	18000	19000	7100	26000	30000	6400	31000	32000	6700	36000	41300	15300	48000	49500	26000	54000	55000						
	Input Power	W	340	1675	1650	440	2396	2730	455	2595	2550	460	3100	3550	1025	4085	4650	975	4650	4810						
Noise	Indoor	dB-A [H/M/L]	43	41	33	44	42	28	46	42	29	48	45	28	53	50	44	52	49	34.5						
	Outdoor	dB-A [H]	55			60			60			63			65			65								
EER2			11.0			11.0			10.7			10.0			10.0			8.6								
SEER2			18.8			18.1			17.0			16.1			16.0			15.2								
COP			3.15			3.18			3.50			3.40			3.45			3.37								
HSPF2	Region IV		9.1			9.7			8.5			8.7			8.5			8.4								
HSPF2	Region V		7.0			7.7			6.6			7.0			7.2			6.8								
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES								
Min Circuit Ampacity	Indoor	A [115V / 208/230V]	5.5 / 4.0			5.5 / 4.0			8.0 / 6.0			8.0 / 6.0			14.5 / 11.0			14.5 / 11.0								
	Outdoor	A	16.0			19.0			22.5			24.0			36.0			39.0								
Max Fuse	Indoor	A	15			15			15			15			15			15								
	Outdoor	A	20			20			25			30			40			40								
Fan Motor RLA	Indoor	A	2.0			3.0			4.5			4.5			7.8			8.3								
	Outdoor	A	0.8			1.0			1.1			1.5			2.0			1.2								
Air Flow	Indoor	CFM [Turbo/H/M/L]	618	577	530	489	824	759	695	630	989	895	806	712	1189	1083	971	865	1601	1472	1283	1095	1807	1583	1360	1136
	Outdoor	CFM	1451			1766			3002			2413			3037			3037								
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																							
		Outdoor	-25°C to 50°C / -13°F to 122°F																							
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																							
		Outdoor	-25°C to 24°C / -13°F to 75°F																							
Refrigerant Type			R454B			R454B			R454B			R454B			R454B			R454B								
Refrigerant Amount		oz	51.15			74.08			91.71			116.40			134.04			134.04								
Refrigerant Piping	Diameter	in [Liquid/Gas]	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4								
	Max Length	ft	98.4			164			164			246			246			246								
Indoor & Outdoor Unit Height Difference		ft	65.6			82			82			98.4			98.4			98.4								
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7			0.7			0.7								
Unit Dimensions	Indoor	in [H x W x D]	45 x 17-1/2 x 21			45 x 17-1/2 x 21			49 x 21 x 21			49 x 21 x 21			53 x 24-1/2 x 21			53 x 24-1/2 x 21								
	Outdoor	in [H x W x D]	21-3/4 x 31-3/4 x 13			26-1/2 x 35 x 13-1/2			31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			38-3/8 x 38-19/32 x 16-5/16			38-3/8 x 38-19/32 x 16-5/16								
Unit Weight	Indoor	lb	105.82			105.60			128.97			129.41			162.92			162.92								
	Outdoor	lb	77.16			102.29			141.76			153.22			192.90			192.90								
Carton Dimensions	Indoor	in [H x W x D]	48-5/8 x 20-7/8 x 26-5/8			48-5/8 x 20-7/8 x 26-5/8			52-5/8 x 26-5/8 x 24-1/2			52-5/8 x 26-5/8 x 24-1/2			56-1/2 x 28 x 26-7/8			56-1/2 x 28 x 26-7/8								
	Outdoor	in [H x W x D]	24-1/4 x 36-1/8 x 14-5/8			29-1/4 x 39-1/4 x 15-3/4			34-7/8 x 43 x 19-3/4			34-7/8 x 43 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4								
Carton Weight	Indoor	lb	126.76			127.43			153.44			153.88			190.92			190.92								
	Outdoor	lb	83.77			109.13			152.34			163.58			224.21			224.21								

Central Heat Pump System
(Extreme Heat Series)



CU-HM55BAHU

MODEL	INDOOR UNIT		CS-HM18BAHU			CS-HM24BAHU			CS-HM30BAHU			CS-HM36BAHU			CS-HM48BAHU			CS-HM60BAHU								
	OUTDOOR UNIT		CU-HM18BAHU			CU-HM24BAHU			CU-HM30BAHU			CU-HM36BAHU			CU-HM48BAHU			CU-HM55BAHU								
Power Supply	INDOOR UNIT	V, Phase, Hz	115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz			115/208/230V, 1PH, 60Hz								
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz			208/230V, 1PH, 60Hz								
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX						
Cooling	Capacity	Btu/h	5600	18000	22000	7200	23000	27000	12800	30000	39000	9700	36000	42000	15600	48000	51000	11400	54000	56300						
	Input Power	W	440	1445	1950	530	1965	2870	850	2567	3620	820	3076	4440	1345	4690	5180	1540	5400	6430						
Heating	Capacity	Btu/h	6000	19000	22000	7100	24000	30000	10300	34000	38500	11000	37000	48000	15500	50000	57300	8100	56000	64500						
	Input Power	W	500	1740	1950	440	2112	2730	655	2790	3020	665	3012	4370	1045	4750	5200	725	5300	5970						
Noise	Indoor	dB-A [H/M/L]	41	39	33	44	42	28	46	43	27.5	48	45.5	25.5	52	50	34	52	49.5	34.5						
	Outdoor	dB-A [H]	59			60			60.5			62.5			65			65								
EER2			12.5			11.7			11.7			11.7			10.5			10.0								
SEER2			19.0			18.3			16.8			17.4			16.5			16.0								
COP			3.20			3.33			3.65			3.60			3.40			3.10								
HSPF2	Region IV		9.7			10.0			10.0			10.2			9.5			9.0								
HSPF2	Region V		8.0			8.0			8.3			8.6			8.0			8.0								
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES								
Min Circuit Ampacity	Indoor	A [115V / 208/230V]	5.5 / 4.0			5.5 / 4.0			8.0 / 6.0			8.0 / 6.0			14.5 / 11.0			14.5 / 11.0								
	Outdoor	A	16.0			19.0			29.5			29.0			38.0			40.0								
Max Fuse	Indoor	A	15			15			15			15			15			15								
	Outdoor	A	20			20			30			30			40			40								
Fan Motor RLA	Indoor	A	2.0			3.0			4.5			4.5			7.8			8.3								
	Outdoor	A	0.9			1.0			1.5			2.4			2.0			1.2								
Air Flow	Indoor	CFM (Turbo/H/M/L)	618	577	530	489	824	759	695	630	989	895	806	712	1189	1083	971	865	1601	1472	1283	1095	1807	1583	1360	1136
	Outdoor	CFM	1766			1766			3002			3002			3037			2649								
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																							
		Outdoor	-30°C to 50°C / -22°F to 122°F																							
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																							
		Outdoor	-30°C to 24°C / -22°F to 75°F																							
Refrigerant Type				R454B			R454B			R454B			R454B			R454B			R454B							
Refrigerant Amount		oz		74.08			74.08			105.82			126.99			134.04			183.42							
Refrigerant Piping	Diameter	in [Liquid/Gas]	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4								
	Max Length	ft	98.4			164			164			246			246			246								
Indoor & Outdoor Unit Height Difference		ft		65.6			82.0			82.0			98.4			98.4			98.4							
Additional Gas Amount		oz/ft		0.7			0.7			0.7			0.7			0.7			0.7							
Unit Dimensions	Indoor	in [H x W x D]	45 x 17-1/2 x 21			45 x 17-1/2 x 21			49 x 21 x 21			49 x 21 x 21			53 x 24-1/2 x 21			53 x 24-1/2 x 21								
	Outdoor	in [H x W x D]	26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			31-7/8 x 37-1/4 x 16-1/8			38-3/8 x 38-19/32 x 16-5/16			38-3/8 x 38-19/32 x 16-5/16			52-1/2 x 37-1/2 x 16-3/8								
Unit Weight	Indoor	lb	105.82			105.60			128.97			129.41			162.92			162.92								
	Outdoor	lb	101.40			102.29			164.02			204.15			201.06			242.95								
Carton Dimensions	Indoor	in [H x W x D]	48-5/8 x 26-5/8 x 20-7/8			48-5/8 x 26-5/8 x 20-7/8			52-5/8 x 26-5/8 x 24-1/2			52-5/8 x 26-5/8 x 24-1/2			56-1/2 x 28 x 26-7/8			56-1/2 x 28 x 26-7/8								
	Outdoor	in [H x W x D]	29-1/4 x 39-1/4 x 15-3/4			29-1/4 x 39-1/4 x 15-3/4			34-7/8 x 43 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			58-3/8 x 43-1/8 x 19-1/2								
Carton Weight	Indoor	lb	126.76			127.43			153.44			153.88			190.92			190.92								
	Outdoor	lb	109.13			109.13			174.60			235.23			232.36			275.13								

Hybrid A-Coil System



COLD
When it is cold outside, the Heat Pump provides efficient heating.



EXTREME COLD
When the temperature drops below -30°C (-22°F), the system will switch over to the furnace for comfortable whole-home heating.



HOT
When it is hot outside, the Heat Pump provides efficient cooling.



All Aluminum Coil



Versatile Applications



Flexible, multi-position design.



A-Coil

Furnace

Hybrid A-Coil System
(Extreme Heat Series)
1.5 - 2 Ton Capacity



MODEL	INDOOR UNIT		CS-HM24BAAU1			CS-HM24BAAU2			CS-HM24BAAU1			CS-HM24BAAU2		
	OUTDOOR UNIT		CU-HM18BAHU			CU-HM18BAHU			CU-HM24BAHU			CU-HM24BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	24V, 1Ph, 60Hz			24V, 1Ph, 60Hz			24V, 1Ph, 60Hz			24V, 1Ph, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	56000	18000	22800	5600	18000	22800	7900	24000	27600	7900	24000	27600
	Input Power	W	530	1538	2120	530	1538	2120	680	2400	2890	680	2400	2890
Heating	Capacity	Btu/h	5600	19000	22800	5600	19000	22800	6500	25000	30000	6500	25000	30000
	Input Power	W	350	1687	2040	350	1687	2040	330	2290	2900	330	2290	2900
Noise	Outdoor	dB-A (H)	58			58			60			60		
EER2		Btu/h/W	11.7			11.7			10.0			10.0		
SEER2		Btu/h/W	16.1			16.1			16.0			16.0		
COP		W/W	3.30			3.30			3.20			3.20		
HSPF2	Region IV	Btu/h/W	9.5			9.5			9.5			9.5		
HSPF2	Region V	Btu/h/W	7.8			7.8			7.0			7.0		
ENERGY STAR® Certified			YES			YES			YES			YES		
Min Circuit Ampacity	Outdoor	A	16.0			16.0			19.0			19.0		
Max Fuse	Outdoor	A	20			20			20			20		
Fan Motor RLA	Outdoor	A	0.9			0.9			1.0			1.0		
Air Flow	Outdoor	CFM	1766			1766			1766			1766		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F											
		Outdoor	-30°C to 50°C / -22°F to 122°F											
	Heating	Indoor	0°C to 30°C / 32°F to 86°F											
		Outdoor	-30°C to 24°C / -22°F to 75°F											
Refrigerant Type			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	74.08			74.08			74.08			74.08		
Refrigerant Piping	Diameter	in (Liquid/Gas)	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	98			98			164			164		
Indoor & Outdoor Unit Height Difference		ft	66			82			82			82		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in (H x W x D)	18 x 14-1/2 x 21			18 x 17-1/2 x 21			18 x 14-1/2 x 21			18 x 17-1/2 x 21		
	Outdoor	in (H x W x D)	26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2			26-1/2 x 35 x 13-1/2		
Unit Weight	Indoor	lb	42			42			42			42		
	Outdoor	lb	101			101			102			102		
Carton Dimensions	Indoor	in (H x W x D)	20-3/4 x 17-5/8 x 25-1/2			20-7/8 x 20-1/2x 26-1/4			20-3/4 x 17-5/8 x 25-1/2			20-7/8 x 20-1/2x 26-1/4		
	Outdoor	in (H x W x D)	29-1/4 x 39-1/4 x 15-3/4			29-1/4 x 39-1/4 x 15-3/4			29-1/4 x 39-1/4 x 15-3/4			29-1/4 x 39-1/4 x 15-3/4		
Carton Weight	Indoor	lb	50			50			50			50		
	Outdoor	lb	109			109			109			109		

Hybrid A-Coil System
(Extreme Heat Series)
2.5 - 3 Ton Capacity



MODEL	INDOOR UNIT		CS-HM36BAAU1			CS-HM36BAAU2			CS-HM36BAAU3			CS-HM36BAAU1			CS-HM36BAAU2			CS-HM36BAAU3		
	OUTDOOR UNIT		CU-HM30BAHU			CU-HM30BAHU			CU-HM30BAHU			CU-HM36BAHU			CU-HM36BAHU			CU-HM36BAHU		
Power Supply	INDOOR UNIT	V, Phase, Hz	24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz		
	OUTDOOR UNIT	V, Phase, Hz	208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
			MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling	Capacity	Btu/h	12600	30000	34800	13900	29000	37900	13900	29000	37900	11400	36000	39000	12100	36000	41000	12100	36000	41000
	Input Power	W	1160	3000	3680	1160	2900	3740	1160	2900	3740	800	3530	3250	1020	3364	4520	1020	3364	4520
Heating	Capacity	Btu/h	9800	30000	35900	13000	32000	40000	13000	32000	40000	11500	37000	46000	11500	38000	46000	11500	38000	46000
	Input Power	W	710	2931	3590	1088	2780	3482	1088	2780	3482	800	3375	4540	800	3375	4540	800	3375	4540
Noise	Outdoor	dB-A [H]	64			64			64			64			64			64		
EER2		Btu/h/W	10.0			10.0			10.0			10.2			10.7			10.7		
SEER2		Btu/h/W	15.3			16.0			16.0			15.2			15.8			15.8		
COP		W/W	3.00			3.37			3.37			3.10			3.30			3.30		
HSPF2	Region IV	Btu/h/W	9.3			10.0			10.0			9.0			9.4			9.4		
HSPF2	Region V	Btu/h/W	7.7			8.5			8.5			7.2			7.9			7.9		
ENERGY STAR® Certified			YES			YES			YES			YES			YES			YES		
Min Circuit Ampacity	Outdoor	A	29.5			29.5			29.5			29.0			29.0			29.0		
Max Fuse	Outdoor	A	30			30			30			30			30			30		
Fan Motor RLA	Outdoor	A	1.5			1.5			2.4			2.4			2.4			2.4		
Air Flow	Outdoor	CFM	3002			3002			3002			3002			3002			3002		
Operation Condition	Cooling	Indoor	16°C to 32°C / 60°F to 90°F																	
		Outdoor	-30°C to 50°C / -22°F to 122°F																	
	Heating	Indoor	0°C to 30°C / 32°F to 86°F																	
		Outdoor	-30°C to 24°C / -22°F to 75°F																	
Refrigerant Type			R454B			R454B			R454B			R454B			R454B			R454B		
Refrigerant Amount		oz	105.82			105.82			105.82			126.99			126.99			126.99		
Refrigerant Piping	Diameter	in [Liquid/Gas]	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
	Max Length	ft	164			164			164			246			246			246		
Indoor & Outdoor Unit Height Difference		ft	82			82.0			82.0			98			98			98		
Additional Gas Amount		oz/ft	0.7			0.7			0.7			0.7			0.7			0.7		
Unit Dimensions	Indoor	in [H x W x D]	24 x 14-1/2 x 21			24 x 17-1/2 x 21			24 x 21 x 21			24 x 14-1/2 x 21			24 x 17-1/2 x 21			24 x 21 x 21		
	Outdoor	in [H x W x D]	31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			31-7/8 x 37-1/4 x 16-1/8			38-3/8 x 38-19/32 x 16-5/16			38-3/8 x 38-19/32 x 16-5/16			38-3/8 x 38-19/32 x 16-5/16		
Unit Weight	Indoor	lb	57			59.5			64			57			59.5			64		
	Outdoor	lb	164			164			164			204			204			204		
Carton Dimensions	Indoor	in [H x W x D]	26 x 17-5/8 x 25-1/2			26-1/2 x 20-1/2 x 26-1/4			27 x 24-1/8 x 26-1/4			26 x 17-5/8 x 25-1/2			26-1/2 x 20-1/2 x 26-1/4			27 x 24-1/8 x 26-1/4		
	Outdoor	in [H x W x D]	34-7/8 x 43 x 19-3/4			34-7/8 x 43 x 19-3/4			34-7/8 x 43 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4		
Carton Weight	Indoor	lb	65			68			74			65			68			74		
	Outdoor	lb	175			175			175			235			235			235		

Hybrid A-Coil System
(Extreme Heat Series)
4 - 5 Ton Capacity



MODEL			INDOOR UNIT		CS-HM60BAMU3			CS-HM60BAAU4			CS-HM60BAMU3			CS-HM60BAAU4		
			OUTDOOR UNIT		CU-HM48BAHU			CU-HM48BAHU			CU-HM55BAHU			CU-HM55BAHU		
Power Supply			INDOOR UNIT	V, Phase, Hz	24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz			24V,1Ph, 60Hz		
			OUTDOOR UNIT	V, Phase, Hz	208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz			208/230V, 1Ph, 60Hz		
					MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX	MIN	RATED	MAX
Cooling			Capacity	Btu/h	16000	45000	48000	15500	45000	47000	23400	52000	55500	17600	53000	53400
			Input Power	W	1400	4500	5080	1400	4500	5030	1870	5200	6000	1520	6020	6040
Heating			Capacity	Btu/h	16000	48000	50000	16000	50000	52000	11700	56000	61300	21200	58000	59000
			Input Power	W	1200	4500	5300	1200	4650	5300	1090	5861	6270	1580	6159	6750
Noise			Outdoor	dB-A [H]	65			65			64			64		
			EER2	Btu/h/W	10.0			10.0			10.0			8.8		
			SEER2	Btu/h/W	15.2			14.5			15.9			14.5		
			COP	W/W	3.12			3.15			2.80			2.76		
HSPF2		Region IV	Btu/h/W	8.8			8.4			8.5			8.1			
HSPF2		Region V	Btu/h/W	7.4			7.3			6.9			6.8			
ENERGY STAR® Certified					YES			YES			YES			YES		
Min Circuit Ampacity			Outdoor	A	38.0			38.0			40.0			40.0		
Max Fuse			Outdoor	A	40			40			40			40		
Fan Motor RLA			Outdoor	A	2.0			2.0			1.2			1.2		
Air Flow			Outdoor	CFM	3037.1			3037.1			2649			2649		
Operation Condition			Cooling	Indoor	16°C to 32°C / 60°F to 90°F											
				Outdoor	-30°C to 50°C / -22°F to 122°F											
			Heating	Indoor	0°C to 30°C / 32°F to 86°F											
				Outdoor	-30°C to 24°C / -22°F to 75°F											
Refrigerant Type				R454B			R454B			R454B			R454B			
Refrigerant Amount			oz	134.04			134.04			183.42			183.42			
Refrigerant Piping			Diameter	in [Liquid/Gas]	3/8 / 3/4			3/8 / 3/4			3/8 / 3/4			3/8 / 3/4		
			Max Length	ft	246			246			246			246		
Indoor & Outdoor Unit Height Difference			ft	98.4			98.4			98			98			
Additional Gas Amount			oz/ft	0.7			0.7			0.7			0.7			
Unit Dimensions			Indoor	in [H x W x D]	28 x 21-1/2 x 21-1/2			28 x 24-1/2 x 21			28 x 21-1/2 x 21-1/2			28 x 24-1/2 x 21		
			Outdoor	in [H x W x D]	38-3/8 x 38-19/32 x 16-5/16			38-3/8 x 38-19/32 x 16-5/16			52-1/2 x 37-1/2 x 16-3/8			52-1/2 x 37-1/2 x 16-3/8		
Unit Weight			Indoor	lb	97			81			97			81		
			Outdoor	lb	201			201			242			242		
Carton Dimensions			Indoor	in [H x W x D]	31-1/8 x 25-5/8 x 25			30-3/8 x 27-7/8 x 26-1/4			31-1/8 x 25-5/8 x 25			30-3/8 x 27-7/8 x 26-1/4		
			Outdoor	in [H x W x D]	42-5/8 x 45-1/8 x 19-3/4			42-5/8 x 45-1/8 x 19-3/4			58-3/8 x 43-1/8 x 19-1/2			58-3/8 x 43-1/8 x 19-1/2		
Carton Weight			Indoor	lb	115			92			115			92		
			Outdoor	lb	232			232			275			275		

breathe well

The Only Complete Air Quality Solution™

Panasonic

Clean
Comfort
Fresh

COLD CLIMATE WALL-MOUNTED HEAT PUMP offers low ambient heating operation down to -26°C (-15°F). The ClimaPure® models are equipped with built-in air and surface purification technology that reduces pollutants and odours for fresher indoor air.

SWIDGET SMART SWITCH WITH WI-FI CONTROL + AIR QUALITY SENSOR wirelessly communicates temperature, humidity, air pressure and total volatile organic compounds which are used to calculate air quality and CO₂ levels. Set rules and receive notifications when your air quality declines.

INTERIOS® CENTRAL HEAT PUMPS are centrally ducted, whole-home heating and cooling systems available in all-electric and hybrid-heating models. Cold Climate capabilities allow these systems to heat down to -30°C (-22°F). The Air Handling Unit adapts to existing ductwork design and intelligently monitors pressure changes inside the ductwork to ensure constant and optimal airflow.

WHISPERAIR REPAIR® Ceiling Mount nanoe™ X Generator inhibits contaminants with silent operation. With a compact design, it deodorizes air and hydrates skin and hair.

VENTILATION FAN with built-in Pick-A-Flow® speed selector switch allows you to select your required airflow. Features a DC Motor with Smart Flow® technology and a Flex-Z fast installation bracket.

ERV LOW VOLTAGE TIMER provides easy, push-button operation to set boost time.

INVERTER HEAT PUMP OUTDOOR UNIT is capable of delivering heating and cooling to a single or multiple zones, providing excellent levels of comfort and operational efficiency.

MULTI-ZONE WALL-MOUNTED HEAT PUMP allows you to control the temperature independently in multiple areas around the home, providing optimal year-round comfort along with the reduced energy consumption.

ENERGY RECOVERY VENTILATOR (ERV) is a ceiling, floor or wall mount unit that's ideal for meeting your ventilation needs. The multi-speed selector provides customizable supply and exhaust airflow to create balanced, pressure within your space.

LEGEND

- OA Outside Air
- EA Exhaust Air
- SA Supply Air
- RA Return Air



learn more!

