

## MULTI MATCH SERIES PRODUCTS



### REACH EVERY CORNER OF YOUR HOME



#### FULL DC DESIGN

DC inverter compressor and motor ensure increased energy savings and reliability of the system.



#### SMART DEFROSTING

Precision defrost sensor accurately determines defrost cycle duration allowing the system to provide heat when you need it most.



#### WIDE TEMPERATURE OPERATION

Standard base pan heater ensures reliable heating operation down from -13°F to 75°F and cooling from 5°F to 136°F.



#### MULTIPLE PROTECTIONS

Voltage Protection-Overheating Protection-Temperature Protection-Overcurrent Protection-Loss Phase Protection



#### REFRIGERANT LEAKAGE ALARM

If a refrigerant leak occurs, the unit will shut down to prevent further damage to the system.



#### HOTEL MODE

The AC can be controlled automatically based on the status of doors or windows being opened or closed, and through the fire alarm system for emergency management.



## Multi Zone Universal Outdoor

MODEL NUMBER							H18FMH22XPC	H27FMH22XPC	H36FMH21XPC	H42FMH20XPC	
System Type							Heat Pump				
Number of Zones							2	2 – 3	2 – 4	2 – 5	
<b>SYSTEM PERFORMANCE(Non-Ducted Indoor Units)</b>											
<b>AHRI Certificate</b>							<b>215387263</b>	<b>215387264</b>	<b>215387265</b>	<b>215387266</b>	
Cooling at 95°F (35°C)	Capacity (Min – Max)		BTU/h	18,000 (4,400 – 20,500)	27,000 (5,900 – 31,000)	35,000 (6,900 – 37,000)	42,000 (8,700 – 47,000)				
	Rated Input Power		W	1,400	2,160	2,750	3,400				
	Rated Current		A	6.1	9.4	12	14.8				
	SEER2 / EER2			24 / 13	24 / 12	22.5 / 12	22 / 12				
Heating at 47°F (8.3°C)	Capacity (Min – Max)		BTU/h	20,000 (4,400 – 23,200)	28,000 (5,900 – 33,500)	36,000 (6,900 – 41,000)	42,000 (8,700 – 47,000)				
	Rated Input Power		W	1,500	2,100	2,750	3,200				
	Rated Current		A	6.5	9.1	12	13.9				
	HSPF2 / COP			10 / 3.5	10 / 3.5	9.5 / 3.5	9.5 / 3.5				
Heating at 17°F (–8.3°C)		Rated Capacity	BTU/h	16,800	19,100	22,400	29,400				
Heating at 5°F (–15°C)		Rated Capacity	BTU/h	15,800	19,800	25,400	30,000				
		COP		2	2	2	2				
ENERGY STAR® Certified							YES	YES	YES	YES	
<b>SYSTEM PERFORMANCE (Ducted Indoor Units)</b>											
<b>AHRI Certificate</b>							<b>215387267</b>	<b>215387268</b>	<b>215387269</b>	<b>215387270</b>	
Cooling at 95°F (35°C)	Capacity (Min – Max)		BTU/h	17,000 (4,400 – 20,500)	27,000 (5,900 – 31,000)	34,000 (6,900 – 37,000)	41,000 (8,700 – 47,000)				
	Rated Input Power		W	1,460	2,250	2,870	3,550				
	Rated Current		A	6.4	9.8	12.5	15.4				
	SEER2 / EER2			21 / 12	22 / 12	20 / 11.7	20 / 11.7				
Heating at 47°F (8.3°C)	Capacity (Min – Max)		BTU/h	19,000 (4,400 – 23,200)	27,000 (5,900 – 33,500)	36,000 (6,900 – 41,000)	42,000 (8,700 – 47,000)				
	Rated Input Power		W	1,560	2,190	2,870	3,350				
	Rated Current		A	6.8	9.5	12.5	14.6				
	HSPF2 / COP			9.5 / 3.5	9 / 3.4	8.5 / 3.2	8.5 / 3.2				
Heating at 17°F (–8.3°C)		Rated Capacity	BTU/h	16,800	19,100	22,400	29,400				
Heating at 5°F (–15°C)		Rated Capacity	BTU/h	16,000	19,000	25,200	30,400				
		COP		1.9	1.9	1.9	1.9				
ENERGY STAR® Certified							YES	YES	YES	YES	
<b>SYSTEM PERFORMANCE (Mixed Ducted &amp; Non-Ducted Indoor Units)</b>											
Cooling at 95°F (35°C)	Capacity (Min – Max)		BTU/h	17,500 (4,400 – 20,500)	27,000 (5,900 – 31,000)	34,500 (6,900 – 37,000)	41,500 (8,700 – 47,000)				
	SEER2 / EER2			22.5 / 12.5	23 / 12	21 / 11.7	21 / 11.7				
Heating at 47°F (8.3°C)	Capacity (Min – Max)		BTU/h	19,500 (4,400 – 23,200)	27,500 (5,900 – 33,500)	36,000 (6,900 – 41,000)	42,000 (8,700 – 47,000)				
	HSPF2 / COP			9.8 / 3.5	9.5 / 3.4	9 / 3.4	9 / 3.4				
ENERGY STAR® Certified							YES	YES	YES	YES	
<b>ELECTRICAL</b>											
Power Supply							208–230V / 1Ph / 60Hz				
Voltage Range (Min – Max)							175 – 265				
Min. Circuit Ampacity – MCA			A	16	18	22	28				
Max. Circuit Breaker (MOPA)			A	25	30	35	45				
Max. FUSE Size			A	25	30	35	45				
Main Power Wire Size			AWG	Per Local Code							
Connection Wiring			AWG	16AWG*4 Stranded, unshielded, TC–ER Type							
Communication Protocol Btw. IDU & ODU				Current Loop							
<b>REFRIGERANT PIPING</b>											
Refrigerant Type / Charged			oz	R454b / 60.01	R454b / 77.66	R454b / 98.84	R454b / 120.02				
Pre-Charge Length Total			ft (m)	49 (15)	74 (22.5)	98 (30)	123 (37.5)				
Additional Charge	Φ6.35 (1/4") liquid pipe		oz/ft	0.11	0.11	0.11	0.11				
	Φ9.52 (3/8") liquid pipe		oz/ft	0.22	0.22	0.22	0.22				
Design Pressure			PSIG	725	725	725	725				
Port Size (Liquid – Gas)			in	2 x 1/4 – 3/8	3 x 1/4 – 3/8	4 x 1/4 – 3/8	5 x 1/4 – 3/8				
Lineset Length (Max) – Each			ft (m)	82 (25)	98 (30)	98 (30)	98 (30)				
Lineset Length (Max) – Total			ft (m)	131 (40)	197 (60)	263 (80)	295 (90)				
Max. Line Set Height Difference Btw. ODU & Furthest IDU			ft (m)	49 (15)	49 (15)	49 (15)	49 (15)				
Max. Line Set Height Difference Btw. IDU			ft (m)	33 (10)	33 (10)	33 (10)	33 (10)				
<b>OUTDOOR UNIT DATA</b>											
Refrigerant Type							R454b				
Throttle Type							Capillary +EXV				
Compressor & Motor Type							INVERTER, DC				
Air Flow			CFM	1,471	1,647	1,882	2,000				
Sound Pressure Level			dB(A)	58	62	65	65				
Cooling Temperature Range			°F (°C)	5–133 (–15–55)	5–133 (–15–55)	5–133 (–15–55)	5–133 (–15–55)				
Heating Temperature Range			°F (°C)	–13–86 (–25–30)	–13–86 (–25–30)	–13–86 (–25–30)	–13–86 (–25–30)				
External Dimensions (W x H x D)			in	36 1/2 x 27 1/2 x 14 15/16	38 1/2 x 31 5/8 x 16 9/16	42 11/25 x 31 5/8 x 14 1/8	42 11/25 x 31 5/8 x 14 1/8				
			mm	927 x 699 x 380	978 x 803 x 421	1074 x 853 x 468	1074 x 853 x 468				
Package Dimensions (W x H x D)			in	37 13/16 x 28 13/16 x 16 15/16	40 1/4 x 32 7/8 x 18 7/8	44 11/16 x 38 3/16 x 20 7/8	44 11/16 x 38 3/16 x 20 7/8				
			mm	960 x 732 x 430	1022 x 835 x 480	1135 x 970 x 530 *	1135 x 970 x 530 *				
Weight (Net / Gross)			lbs	92.6 / 99.2	119 / 127.9	145.5 / 169.8	174.2 / 198.4				
			kgs	42 / 45	54 / 58	66 / 77	79 / 90				
<b>LIMITED WARRANTY</b>							<b>5 Years Parts, 7 Years Compressor Warranty/10 Year Warranty with Registration within 60 days of Installation</b>				