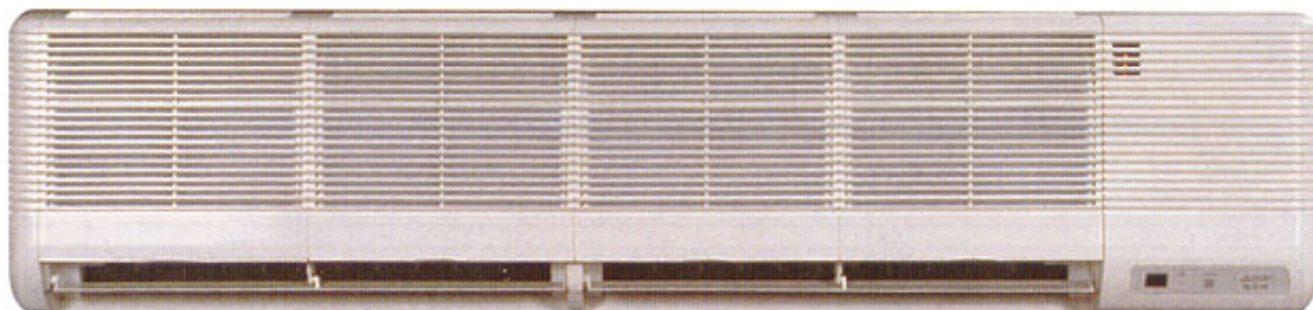
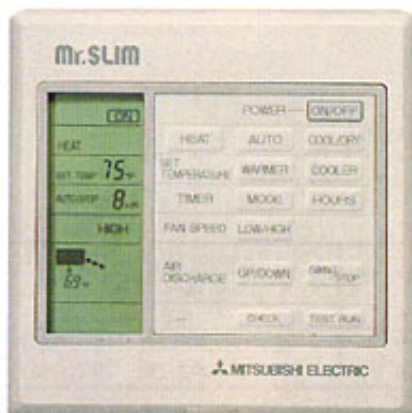


## Mr.SLIM™ PKH-FK Wall-Mounted Series



- **More compact.**
- **Superior air diffusion.**
- **Auto/swing vane operation.**
- **Standard ambient operation down to -18°C (0°F).**

- Ease of maintenance filter system.
- Enhanced noise suppression.
- Simplified installation.
- Computerized dehumidification.
- Computerized self-diagnostics.
- Cold-air prevention mode during heating.
- Comfort booster heater.
- Computer controlled defrost operation.
- All units pretested at factory.



### “Intelligent” remote control

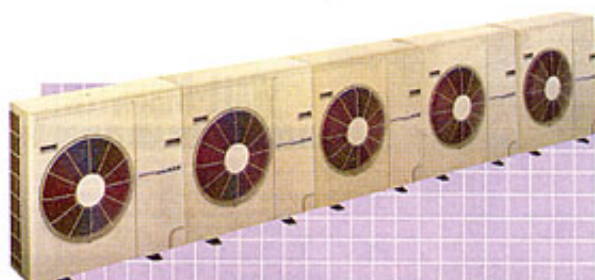
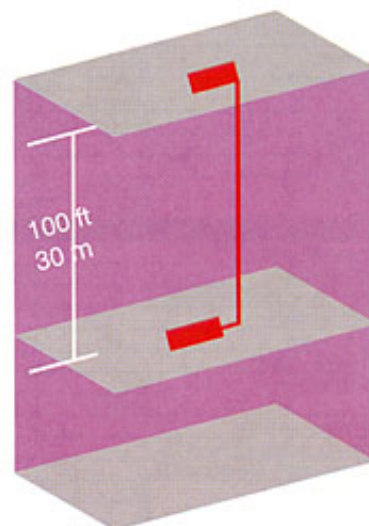
- May be located up to 167 M (550 ft) away.
- Does not have to be located in zone.
- May control up to 50 units.
- May be interfaced to full energy management systems (See Data Sheet 97APP03).
- May be used with status panel/alarm system (See Engineering Manual).

# DUCTLESS-SPLIT HEAT Pumps

HIGHLY EFFICIENT  
**REDI-CHARGED**  
REFRIGERANT SYSTEM

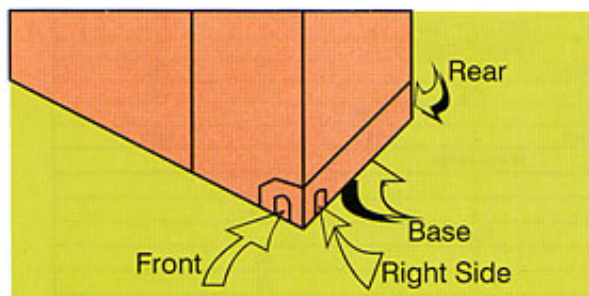
## Redi-Charged!

- Units precharged to first 30 m (100 ft.), no adjustment required!
- Lines may be vertical or horizontal to maximum run length.
- Maximum run length to 40 m (130 ft.) for PU12EK, PU18EK, PU24EK.
- Maximum run length to 50 m (164 ft.) for PU30EK, PU36EK.
- No trapping required!



## Superior Outdoor Design

- Totally front serviceable.
- May be rowed or racked.
- Standard wind baffle included with system.
- On-board computer diagnostics.
- Computer-controlled fan speed.
- Standard low ambient operation to  $-17^{\circ}\text{C}$  ( $0^{\circ}\text{F}$ ).
- Special extra-low ambient machines for  $-40^{\circ}$  operation.
- Oil separator and bypass valve for excellent low ambient operation



Four-way access for easy installation.



## Rotary Compressor

World famous Mitsubishi Electric rotary compressor:

- High dependability.
- Low noise.
- High efficiency.



## ENERGUIDE

Seasonal Energy Efficiency Ratio - **SEER**

This Series

10.2 - 11.1

10.0 — USES LESS ENERGY — 17.0

Mitsubishi Electric Sales Canada Inc.

HVAC Division

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E-Mail hvac@msm.mea.com

**PKH-FK Series Wall Mounted Ductless Heat Pumps**

**IP Units**

			Model			
Item			PKH18FK	PKH24FK	PKH30FK	PK366FK
Capacity	Cooling	*1 BTU/h	18000	24000	30000	34200
	Heating	*1 BTU/h	18,600 [24,100 / 25,100]	25,000 [30,500 / 31,500]	33,000 [39,100 / 40,500]	38,000 [44,100 / 45,500]
	Heating	*2 BTU/h	10,700 [16,200 / 17,200]	14,700 [20,200 / 21,200]	19,000 [25,100 / 26,500]	19,600 [25,700 / 27,100]
	Cooling	*1 kW	2	2	3	3.44
Power consumption	Heating	*1 kW	1.56 [3.16 / 3.46]	2.37 [3.97 / 4.27]	3.02 [4.82 / 5.22]	3.54 [5.34 / 5.74]
	Heating	*2 kW	1.34 [2.94 / 3.24]	1.92 [3.52 / 3.82]	2.48 [4.28 / 4.68]	2.65 [4.45 / 4.85]
EER	Cooling	*1	10.1	10.2	9.6	9.9
SEER			11.1	10.2	10.6	10.5
HSPF			7.2	6.8	7.1	6.9
COP	Heating	*1	3.5	3.1	3.2	3.1
	Heating	*2	2.3	2.2	2.2	2.2
<b>INDOOR UNIT</b>			<b>PKH18FK</b>	<b>PKH24FK</b>	<b>PKH30FK</b>	<b>PK366FK</b>
External finish			Munsell 3.4Y7.7/0.8			
Power supply	V,phase,Hz		208 / 230,1,60			
Max. fuse size(time delay)	A		15			
Min.ampacity			12			13
Fan motor	F.L.A.		0.5			0.6
Auxiliary heater	*4 A(kW)		7.6 / 8.4 (1.6 / 1.9)		8.7 / 9.6 (1.8 / 2.2)	
Airflow Hi-Lo	Dry	CFM	710 - 530		990 - 780	
	Wet	CFM	640 - 480		890 - 700	
Moisture removal	Pints/h		5.3	7	9.1	10.5
Sound pressure level Hi-Lo	dB(A)		43 - 35		46 - 41	
Cond. drain connection OD	in.		1			
Dimensions	W	in.	55 - 1/8		66 - 5/32	
	D	in.	9 - 1/4		9 - 1/4	
	H	in.	13 - 3/8		13 - 3/8	
Weight	lbs.		57			66
<b>OUTDOOR UNIT</b>			<b>PUH18EK</b>	<b>PUH24EK</b>	<b>PUH30EK</b>	<b>PUH36EK</b>
External finish			Munsell 5Y7/1			
Sound pressure level	dB(A)		53		55	
Power supply	V,phase,Hz					
Max. fuse size(time delay)	A		20		30	
Min.ampacity			16		20	22
Fan motor	F.L.A.		0.75	0.65 + 0.65		0.75 + 0.75
Compressor	Model		RH247NAB	NH33NBD	NH41NAD	NH47NAD
	R.L.A		12	11.5	14	17.5
	L.R.A		37	54	73	87
Crankcase heater	A(W)		0.11/0.12(23/28)		0.16/0.17(33/39)	
Refrigerant control			CAPILLARY TUBE			
Defrost method			REVERSE CYCLE			
Dimensions	W	in.	34 - 1/4		38 - 3/16	
	D	in.	11 - 5/8		13 - 9/16	
	H	in.	33 - 1/2		49 - 9/16	
Weight	lbs.		154	207	208	220
<b>REFRIGERANT PIPING</b>			Not supplied			
Refrigerant Tubing (individually Insulated)	Liquid	in.	3/8		1/2	
	Gas	in.	5/8		3/4	
Connection Method			Flare			
Between the Indoor and Outdoor units	Height	ft.	130		164	
	Piping Length	ft.	130		164	
Refrigerant Type			R22			
REMOTE CONTROLLER	*5		With indoor unit			
Control voltage	*5		12 vdc			

- \*1 Rating conditions(cooling): Indoor: 80° F DB, 67° F WB Outdoor: 95° F DB, 75° F WB (heating): Indoor: 70° F DB, 60° F WB Outdoor: 47° F DB, 43° F WB
- \*2 Rating conditions(heating): Indoor: 70° F DB, 60° F WB Outdoor: 17° F DB, 15° F WB
- \*3 Heating capacity and power consumption in [ ] include auxiliary electric heater operation at 208/230V
- \*4 Comfort booster is not a full time heater
- \*5 Shielded wire with computer ground must be used in areas with high inductance transients

**Operating Range**

		Indoor Air Intake Temperature		Outdoor Air Intake Temperature	
COOLING	MAXIMUM	35° C (95° F) DB	22° C (71° F) WB	46° C (115° F) DB	
	MINIMUM	19° C (67° F) DB	14° C (57° F) WB	-18° C (0° F) DB	
HEATING	MAXIMUM	26° C (80° F) DB	19° C (67° F) WB	24° C (75° F) DB	18° C (65° F) WB
	MINIMUM	21° C (70° F) DB	15° C (60° F) WB	-8° C (17° F) DB	-9° C (15° F) WB

**Units must be installed in accordance with federal, provincial and local codes and ordinances by qualified personnel**

Specifications subject to change without notice

**PKH-FK Series Wall Mounted Ductless Heat Pumps**

**SI Units**

			Model			
Item			PKH18FK	PKH24FK	PKH30FK	PK366FK
Capacity	Cooling	*1 kW/h	5.27	7.03	8.79	10.02
	Heating	*1 kW/h	5.45 [7.06 / 7.35]	7.35 [8.94 / 9.23]	9.67 [11.46 / 11.87]	11.13 [12.92 / 13.33]
	Heating	*2 kW/h	3.14 [4.75 / 5.04]	4.16 [5.91 / 6.21]	5.57 [7.35 / 7.76]	5.74 [7.53 / 7.94]
Power consumption	Cooling	*1 kW	1.79	2.36	3.12	3.44
	Heating	*1 kW	1.56 [3.16 / 3.46]	2.37 [3.97 / 4.27]	3.02 [4.82 / 5.22]	3.54 [5.34 / 5.74]
	Heating	*2 kW	1.34 [2.94 / 3.24]	1.92 [3.52 / 3.82]	2.48 [4.28 / 4.68]	2.65 [4.45 / 4.85]
EER	Cooling	*1	10.1	10.2	9.6	9.9
SEER			11.1	10.2	10.6	10.5
HSPF			7.2	6.8	7.1	6.9
COP	Heating	*1	3.5	3.1	3.2	3.1
	Heating	*2	2.3	2.2	2.2	2.2
INDOOR UNIT			PKH18FK	PKH24FK	PKH30FK	PK366FK
External finish			Munsell 3.4Y7.7/0.8			
Power supply	V,phase	Hz	208 / 230,1,60			
Max. fuse size(time delay)		A	15			
Min.ampacity			12			13
Fan motor		F.L.A.	0.5			0.6
Auxiliary heater		*4 A(kW)	7.6 / 8.4 (1.6 / 1.9)			8.7 / 9.6 (1.8 / 2.2)
Airflow Hi-Lo	Dry	L/s	335 - 250			466 - 368
	Wet	L/s	302 - 226			419 - 330
Moisture removal		L/h	2.5	3.3	4.3	4.9
Sound pressure level Hi-Lo		dB(A)	43 - 35			46 - 41
Cond. drain connection OD		in.	1			
Dimensions	W	mm	1400			1680
	D	mm	235			235
	H	mm	340			340
Weight		kg	25.9			29.9
OUTDOOR UNIT			PUH18EK	PUH24EK	PUH30EK	PUH36EK
External finish			Munsell 5Y7/1			
Sound pressure level		dB(A)	53		55	
Power supply	V,phase	Hz	208 / 230,1,60			
Max. fuse size(time delay)		A	20		30	
Min.ampacity			16		20	22
Fan motor		F.L.A.	0.75	0.65 + 0.65		0.75 + 0.75
Compressor	Model		RH247NAB	NH33NBD	NH41NAD	NH47NAD
	R.L.A.		12	11.5	14	17.5
	L.R.A.		37	54	73	87
Crankcase heater		A(W)	0.11/0.12(23/28)		0.16/0.17(33/39)	
Refrigerant control			CAPILLARY TUBE			
Defrost method			REVERSE CYCLE			
Dimensions	W	mm	19/05/02			970
	D	mm	11 - 5/8	295		345
	H	mm	850	1260		
Weight		kg	69.8	93.9	94.3	99.8
REFRIGERANT PIPING			Not supplied			
Refrigerant Tubing (Individually Insulated)	Liquid	in.	3/8			1/2
	Gas	in.	5/8			3/4
Connection Method			Flare			
Between the Indoor and Outdoor units	Height	m	40			50
	Piping Length	m	40			50
Refrigerant Type			R22			
REMOTE CONTROLLER		*5	With indoor unit			
Control voltage		*5	12 vdc			

\*1 Rating conditions(cooling): Indoor: 26° F DB, 19° F WB Outdoor: 35° F DB, 24° F WB  
(heating): Indoor: 21° C DB, 16° C WB Outdoor: 8° C DB, 6° C WB

\*2 Rating conditions(heating): Indoor: 21° C DB, 16° F WB Outdoor: -8° F DB, -9° F WB

\*3 Heating capacity and power consumption in [ ] include auxiliary electric heater operation at 208/230V

\*4 Comfort booster is not a full time heater

\*5 Shielded wire with computer ground must be used in areas with high inductance transients

**Operating Range**

		Indoor Air Intake Temperature		Outdoor Air Intake Temperature	
COOLING	MAXIMUM	35° C DB	22° C WB	46° C DB	
	MINIMUM	19° C DB	14° C WB	-18° C DB	
HEATING	MAXIMUM	26° C DB	19° C WB	24° C DB	18° C WB
	MINIMUM	21° C DB	15° C WB	-8° C DB	-9° C WB

Units must be installed in accordance with federal, provincial and local codes and ordinances by qualified personnel

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