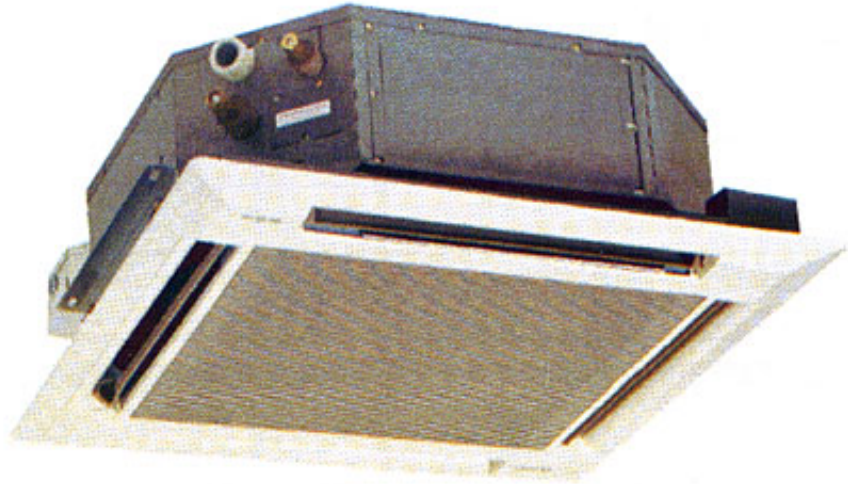


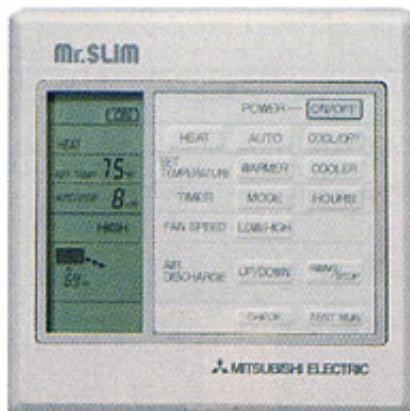
DUCTLESS-SPLIT AIR CONDITIONERS

Mr.SLIM™

PL Ceiling Suspended 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.
- 4-way sweep louvres
- Supply and return ductability



"Intelligent" remote control

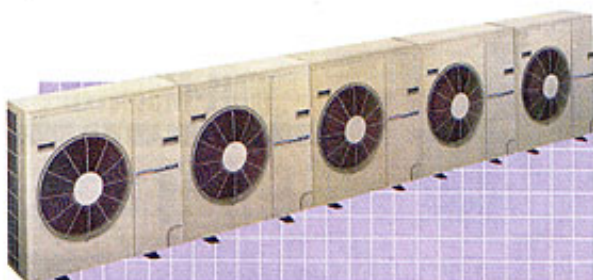
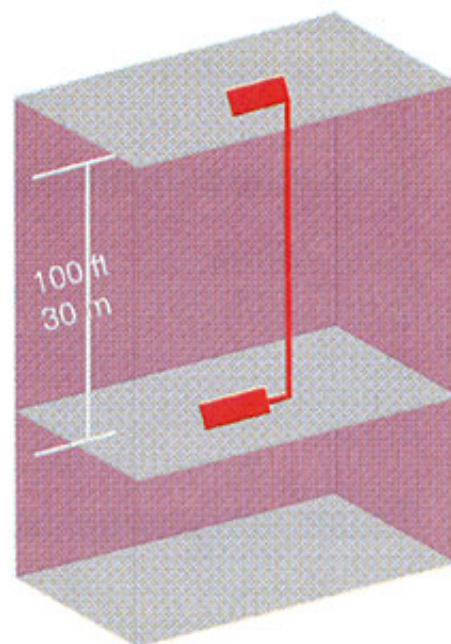
- May be located up to 167 M (550 ft) away.
- Does not have to be located in zone.
- May control up to 50 units.
- May be interfaced to full energy management systems (See Data Sheet 97APP03).
- May be used with status panel/alarm system (See Engineering Manual).
- Optional solid state 7 day timer control

DUCTLESS-SPLIT AIR CONDITIONERS

HIGHLY EFFICIENT
REDI-CHARGED
REFRIGERANT SYSTEM

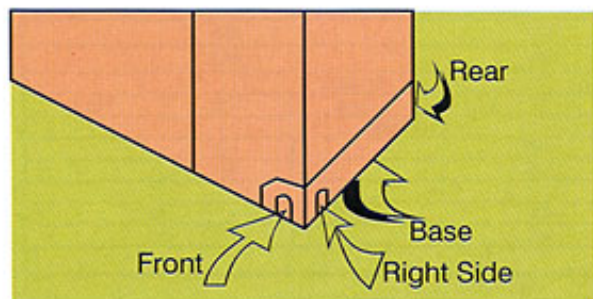
Redi-Charged!

- 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, PU42EK.
- 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°C (0°F).
- Special extra-low ambient machines for -40° 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

4299 - 14th Avenue, Markham, Ontario L3R 0J2

Telephone: (905) 475-7728

Fax: (905) 475-5231

E-Mail hvac@mesca.me.com

PL-FK Series Ceiling Recessed Ductless-Split Air Conditioners

IP Units

			MODEL					
ITEM			PL12FK	PL18FK	PL24FK	PL30FK	PL36FK	PL42FK
Capacity	*1	BTU/h	12,300	18,400	23,600	31,000	36,100	42,500
Power Consumption	*1	kW	1.23	1.88	2.48	3.1	3.76	4.4
EER	*1		10.0	9.8	9.5	10.0	9.6	9.7
SEER			10.4	10.2	10.0	10.4	10.0	10.0
INDOOR UNIT			PL12FK	PL18FK	PL24FK	PL30FK	PL36FK	PL42FK
External finish			Galvanized sheets with gray heat insulation					
Power supply		V Phase Hz	115,1,60					
Max. fuse size(time delay)		A	15	15	15	15	15	15
Min. ampacity			2.0	2.0	2.0	2.0	2.0	3.0
Fan motor		F.L.A.	0.75	0.85	1.1	1.0 + 1.0	1.0 + 1.0	1.2 + 1.2
Airflow Hi-Lo	Dry	CFM	570-540	680-460	750-550	1,170-850	1,170-850	1,270-920
	Wet	CFM	420-400	650-440	660-480	1,090-790	1,090-790	1,200-870
Moisture removal		Pints/h	3.8	5.3	6.8	9.6	10.9	12.6
Sound level Hi-Lo		dB(A)	43-35	45,38	47-39	49-41	49-41	49-42
Cond. drain connection OD		in.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
Dimensions	W	in.	32-1/4			52-3/4		
	D	in.	32-1/4			32-1/4		
	H	in.	10-1/8			10-1/8		
Weight		lbs.	60	64	64	99	99	101
INDOOR GRILL			Munsell 0.70Y 8.59/0.97					
External finish			Munsell 0.70Y 8.59/0.97					
Dimensions	W	in.	36-5/8			57-1/8		
	D	in.	36-5/8			36-5/8		
	H	in.	2-3/8			2-3/8		
Weight		lb.	22			35		
OUTDOOR UNIT			PU12EK	PU18EK	PU24EK	PU30EK	PU36EK	PU42EK
External finish			Munsell 5Y 7/1					
Sound pressure level		dB(A)	50	53	55	55	55	56
Power supply		V Phase Hz	208/230,1,60					
Max. fuse size(time delay)		A	15	20		30		40
Min. ampacity			11	16		20	22	27
Fan motor		F.L.A.	0.65	0.75	0.65 + 0.65	0.65 + 0.65	0.75 + 0.75	0.8 + 0.8
		R.L.A.	8.9	12	11.5	14	17.5	20
		L.R.A.	29	37	54	73	87	105
Crankcase heater		A(W)	0.11 /0.12 (23 / 28)			0.16/0.17(33/39)		
Refrigerant control			Capillary tube					
Dimensions	W	in.	34 - 1/4			38 -3/16		
	D	in.	11 - 5/8			13 - 9/16		
	H	in.	25 - 5/8	33 - 1/2	49 - 9/16			
Weight		lbs.	105	154	207	208	220	260
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	ft.	130			164		
	Piping Length	ft.	130			164		
Refrigerant Type			R22					
REMOTE CONTROLLER			*2 With indoor unit					
Control voltage			*2 12 vdc					

*1 Rating conditions Indoor:80° F DB, 67° F WB Outdoor:95° F DB, 75° F WB

*2 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°) WB	46° C (115° F) DB	
	Minimum	19° C (67° F) DB	14 °C (57° F) WB	-18° C (0° F) DB	

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

Specifications subject to change without notice

PL-FK Series Ceiling Recessed Ductless-Split Air Conditioners

SI Units

ITEM	MODEL							
	PL12FK	PL18FK	PL24FK	PL30FK	PL36FK	PL42FK		
Capacity *1	kW	3.6	5.4	6.9	10.1	10.6	12.5	
Power Consumption *1	kW	1.23	1.88	2.48	3.1	3.76	4.4	
EER *1		10.0	9.8	9.5	10.0	9.6	9.7	
SEER		10.4	10.2	10.0	10.4	10.0	10.0	
INDOOR UNIT		PL12FK	PL18FK	PL24FK	PL30FK	PL36FK	PL42FK	
External finish		Galvanized sheets with gray heat insulation						
Power supply	V Phase Hz	115,1,60						
Max. fuse size(time delay)	A	15	15	15	15	15	15	
Min. ampacity		2.0	2.0	2.0	2.0	2.0	3.0	
Fan motor	F.L.A.	0.75	0.85	1.1	1.0 + 1.0	1.0 + 1.0	1.2 + 1.2	
Airflow Hi-Lo	Dry	l/s	280-265	334-226	334-226	575-418	575-418	
	Wet	l/s	206-196	319-216	319-216	535-388	535-388	
Moisture removal	l/h	1.8	2.5	3.2	4.5	5.2	6	
Sound level Hi-Lo	dB(A)	43-35	45.38	47-39	49-41	49-41	49-42	
Cond. drain connection OD	in.	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	
Dimensions	W	mm	820				1340	
	D	mm	820				820	
	H	mm	255				255	
Weight	kg	40.9	29.1	29.1	45	45	45.9	
INDOOR GRILL		Munsell 0.70Y 8.59/0.97						
Dimensions	W	mm	930			1450		
	D	mm	930			930		
	H	mm	60			60		
Weight	kg	10			15.9			
OUTDOOR UNIT		PU12EK	PU18EK	PU24EK	PU30EK	PU36EK	PU42EK	
External finish		Munsell 5Y 7/1						
Sound pressure level	dB(A)	50	53	55	55	55	56	
Power supply	V Phase Hz	208/230,1,60						
Max. fuse size(time delay)	A	15	20	30	30	40	40	
Min. ampacity		11	16	20	22	27	27	
Fan motor	F.L.A.	0.65	0.75	0.65 + 0.65	0.65 + 0.65	0.75 + 0.75	0.8 + 0.8	
	R.L.A.	8.9	12	11.5	14	17.5	20	
	L.R.A.	29	37	54	73	87	105	
Crankcase heater	A(W)	0.11 /0.12 (23 / 28)		0.16/0.17(33/39)				
Refrigerant control		Capillary tube						
Dimensions	W	in.	870			970		
	D	in.	295			345		
	H	in.	650	850	6/13/03			
Weight	kg	47.7	70	94.1	94.5	100	118.2	
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	*2	With indoor unit						
Control voltage	*2	12 vdc						

*1 Rating conditions Indoor:30° C DB, 19° C WB Outdoor: 35° C DB, 24° C WB

*2 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

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

Specifications subject to change without notice