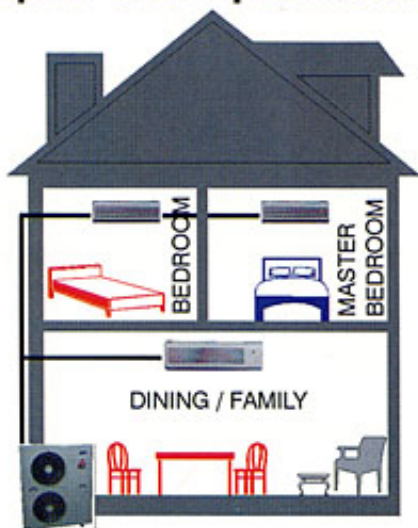


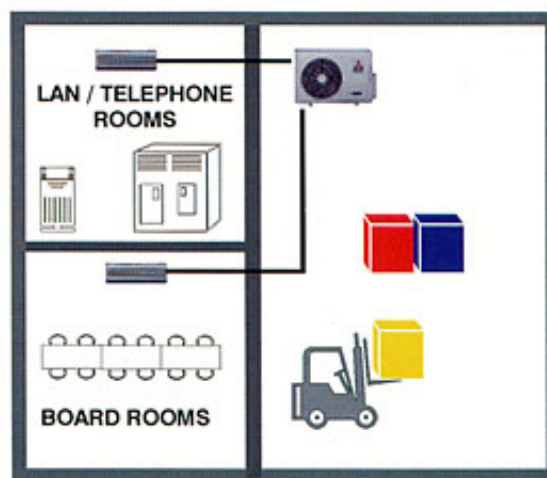
# DUCTLESS-SPLIT AIR CONDITIONERS

## Mr.SLIM™ MSM-N Multiple Wall-Mounted Series

When space is at a premium...



MSM30EN TRIPLE SYSTEM



MSM18NW DOUBLE SYSTEM

or when you need additional cooling without replacing your existing system.

- **Ideal for residential or commercial applications.**
  - **Separate compressor/refrigerant systems in one outdoor unit.**
  - **More compact.**
  - **Advanced microprocessor control.**
  - **Odour and fine particle control.**
- Enhanced noise suppression.
  - Simplified installation.
  - Computerized dehumidification (dry cycle).
  - Computerized self-diagnostics.
  - Superior air diffusion controlled at your fingertip!
  - Unique "I Feel" mode for superior comfort control.
  - Automatic or fixed fan speed control.
  - All units pretested at the factory.
  - Auto restart standard option.
  - Individually circuited systems.



### Wireless LCD control

- Mr. Slims unique "I Feel" temperature control, or standard Cool/Dry/Heat modes.
- Efficient automatic fan speed control or standard Hi/Med/Low settings.
- Single event stop/start timer.
- Fingertip control of swing vane position.
- Time display.
- Ideal for movement impaired individuals.
- Control can be individually dedicated with six individual addresses.

# DUCTLESS-SPLIT AIR CONDITIONERS



## Gentle Air Diffusion

- Whisper quiet operation.
- Swing vane mode ensures gentle air circulation without a draught.
- Remote setting for five different vane positions allows you to match the individual room requirement.



## 0.01 $\mu$ Air Filtering

- Advanced odour and particle removal.
- Inexpensive disposable inserts.
- Activated charcoal to eliminate odours.
- Extra-fine particulate interception/diffusion filtration.

## Quiet Reliability Outdoors

- Neutral colour blends easily with surroundings.
- Quiet operation from advanced fan and compressor design.
- Simplified installation requirements.
- Space saving design.



MUM30EN Outdoor Unit



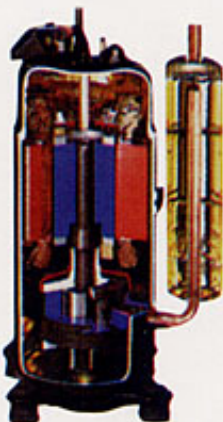
MUM18NW Outdoor Unit

## MSM30NN System

- 2 MS09NW Indoor Units
- 1 MS15NN Indoor Unit
- 1 MUM30NN Outdoor Unit

## MSM18NW System

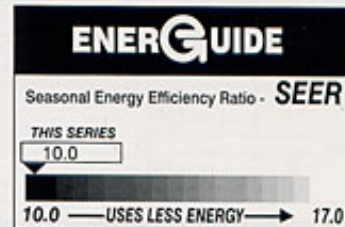
- 2 MS09NW Indoor Units
- 1 MUM18NW Outdoor Unit



## Rotary Compressor

World famous Mitsubishi Electric rotary compressor:

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



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@msm.mea.com

MSM18N Series Multiple Wall Mounted Ductless-Split Air Conditioners

IP Units

Item		Indoor Units			ITEM	OUTDOOR UNIT
		System "A"	System "B"			
		MS09NW	MS09NW	Model	MUM18NW	
Capacity	Cooling *1	BTU/h	8,500	8,500	External finish	Munsell 5Y 6.5/1
Power consumption	Cooling *1	W	840	840	Sound level	dB(A) 56.5
EER	*1		9.9	9.9	Power supply	V, Phase, Hz 230/115,1.60
SEER	*1		10.0	10.0	Max fuse size(time delay)	A 15
INDOOR UNIT		MS09NW	MS09NW	Min ampacity	A+B	A 14/13
External finish		White		Fan motor	FLA 1.0	
Power supply	V, Phase, Hz	115,1.60		Compressor	A / B	R.L.A. 1
Max fuse size (time delay)	A	15			A / B	FL 37
Min ampacity	A	0.5		Refrigerant control	CAPILLARY TUBE	
Fan motor	FL	0.37			W	in 30-11/16
Airflow Lo-Med-Hi	Dry	CFM	208-265-328	Dimensions	D	in 10-1/16
	Wet	CFM	177-226-279		H	in 21-1/4
Moisture removal	Pints/h	2.2		Weight	lbs 80	
Sound level	dB(A)	42		REFRIGERANT PIPING (NOT SUPPLIED) Each System		
Cond drain conn.OD	in.	5/8		Refrigerant Tubing	Liquid 1/4	
Dimensions	W	in.	32-1/16	(Individually Insulated)	Gas 3/8	
	D	*3 in.	7-3/16	Connection Method	Flare	
	H	in.	10-13/16	Maximum Height Differential	ft 25	
Weight	Lbs	18		Maximum Line Length	ft 49	
				Refrigerant Type	R22	
				Recharged To	ft 25	
				REMOTE CONTROLLER		
				Control voltage(by built-in transformer)		
				WIRELESS TYPE		
				DC 12V		

Notes:

1. Rating Conditions:

Cooling	Indoor	80° F DB	67° WB
	Outdoor	95° F DB	75° WB

2. Shielded wire with computer ground must be used in areas with high induction transients  
 3. Grounding distance included in depth

Operating Range

Cooling	Indoor Intake Air	Outdoor Intake Air
Maximum	90° F DB 71° WB	115° WB
Minimum	67° F DB 57° WB	75° WB

Units must be installed in accordance with federal, provincial and local codes and ordinances by qualified personnel  
 Specifications subject to change without notice

MSM30-NN Series Wall Mounted Ductless-Split Air Conditioners

Item		Indoor Units		
		System "A"	System "B"	System "C"
		MS09NW	MS09NW	MS15NN
Capacity	Cooling *1	BTU/h	8,200	12,400
Power consumption	Cooling *1	W	980	1,200
EER	*1		9.5	
SEER	*1		10.0	
INDOOR UNIT		MS09NW	MS09NW	MS15NN
External finish		White		
Power supply	V, Phase, Hz	115,1.60		
Max fuse size (time delay)	A	15		
Min ampacity	A	0.5	0.6	0.6
Fan motor	F.L.A.	0.37	0.43	0.43
Airflow Lo-Med-Hi	Dry	CFM	210-265-330	360-395-450
	Wet	CFM	175-225-280	295-320-365
Moisture removal	Pints/h	1.5	5.5	5.5
Sound level	dB(A)	42	42	42
Cond drain conn.OD	in.	5/8	5/8	5/8
Dimensions	W	in.	32-1/16	39-5/16
	D	in.	7-3/16	7-1/2
	H	in.	10-3/16	12-5/8
Weight	Lbs	18	31	31

Operating Range

Cooling	Indoor Intake Air	Outdoor Intake Air
Maximum	90° F DB 71° F WB	115° F WB
Minimum	68° F DB 57° F WB	67° F WB

Notes:

1. Rating Conditions:

Cooling	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 induction transients

Units must be installed in accordance with federal, provincial and local codes and ordinance

ITEM		OUTDOOR UNIT	MUM30NN	
		System "A"	System "B"	System "C"
		MS09NW	MS09NW	MS15NN
Model		Munsell 5Y 6.5/1		
External finish		Munsell 5Y 6.5/1		
Sound level	dB(A)	56.5		
Power supply	V, Phase, Hz	230/115,1.60		
Max fuse size(time delay)	A	30		
Min ampacity	A	25		
Fan motor	F.L.A.	0.8 + 0.7		
Compressor	R.L.A.	10	10	8
	F.L.A.	37	37	29
		CAPILLARY TUBE		
Refrigerant control		CAPILLARY TUBE		
Dimensions	W	in.	37-7/16	
	D	in.	15-3/8	
	H	in.	45-5/16	
Weight	Lbs	240		
REFRIGERANT PIPING (NOT SUPPLIED) Each System				
Refrigerant Tubing	Liquid	1/4		
(Individually Insulated)	Gas	3/8 5/8		
Connection Method		Flare		
Maximum Height Differential	ft	25		
Maximum Line Length	ft	65		
Refrigerant Type		R22		
Recharged to	ft	25		
REMOTE CONTROLLER		WIRELESS TYPE		
Control Voltage		DC 12V		

## MSM18-N Series Multiple Wall Mounted Ductless-Split Air Conditioners

SI Units

Item	Indoor Units				ITEM	OUTDOOR UNIT
	System "A"		System "B"			
	MS09NW	MS09NW	MS09NW	MS09NW		
Capacity	Cooling *1	kW	2.49	2.49	External finish	Munsell 5Y 6.5/1
Power consumption	Cooling *1	W	850	850	Sound level	dB(A) 56.5
EER	*1		10.1	10.1	Power supply	V, Phase, Hz 230/115,1,60
SEER	*1		10.2	10.2	Max.fuse size(time delay)	A 15
<b>INDOOR UNIT</b>			<b>MS09NW</b>	<b>MS09NW</b>	Min.ampacity	A + B A 14/13
External finish			White		Fan motor	F.L.A. 1.0
Power supply	V, Phase, Hz		115,1,60		Compressor	A / B R.L.A. 1
Max.fuse size (time delay)	A		15			A / B F.L.A. 37
Min.ampacity	A		0.5		Refrigerant control	CAPILLARY TUBE
Fan motor	F.L.A.		0.37		Dimensions	W mm 780
Airflow Lo-Med-Hi	Dry	l/s	98-125-155		D mm 255	
	Wet	l/s	84-107-132		H mm 540	
Moisture removal		l/h	1.1		Weight	kg 36.3
Sound level		dB(A)	42		<b>REFRIGERANT PIPING (NOT SUPPLIED) Each System</b>	
Cond.drain conn.OD		mm	5/8		Refrigerant Tubing	Liquid 1/4
Dimensions	W	mm	315		(Individually Insulated)	Gas 3/8
	D	mm	185		Connection Method	Flare
	H	mm	275		Maximum Height Differential	m 8
Weight		kg	8.2		Maximum Line Length	m 15
					Refrigerant Type	R22
					Precharged To	m 8
					<b>REMOTE CONTROLLER</b>	
					Control voltage(by built-in transformer)	
					WIRELESS TYPE	
					DC 12V	

### Operating Range

Cooling	Indoor Intake Air	Outdoor Intake Air
Maximum	32° C DB 22° C WB	46° C WB
Minimum	20° C DB 14° C WB	23° C WB

### Notes:

1. Rating Conditions:

Cooling	Indoor	27° C DB 20° C WB
	Outdoor	35° C DB 24° C WB

2. Shielded wire with computer ground must be used in areas with high induction transients

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

Specifications subject to change without notice

## MSM30-N Series Multiple Wall Mounted Ductless-Split Air Conditioners

Item	Indoor Units			
	System "A"		System "B"	
	MS09NW	MS09NW	MS15NW	MS15NW
Capacity	Cooling *1	kW/1h	2.49	12.400
Power consumption	Cooling *1	W	990	1,200
EER	*1		9.5	
SEER	*1		10.0	
<b>INDOOR UNIT</b>			<b>MS09NW</b>	<b>MS15NW</b>
External finish			White	
Power supply	V, Phase, Hz		115,1,60	
Max.fuse size (time delay)	A		15	
Min.ampacity	A		0.5	0.6
Fan motor	F.L.A.		0.37	0.43
Airflow Lo-Med-Hi	Dry	l/s	98-125-155	170-167-213
	Wet	l/s	84-107-132	148-161-185
Moisture removal		l/h	1.1	1.5
Sound level		dB(A)	42	42
Cond.drain conn.OD		in	5/8	5/8
Dimensions	W	mm	315	100
	D	mm	185	190
	H	mm	275	300
Weight		kg	8.2	14.1

### Operating Range

Cooling	Indoor Intake Air	Outdoor Intake Air
Maximum	32° C DB 22° C WB	46° C WB
Minimum	20° C DB 14° C WB	23° C WB

### Notes:

1. Rating Conditions:

Cooling	Indoor	27° C DB 20° C WB
	Outdoor	35° C DB 24° C WB

2. Shielded wire with computer ground must be used in areas with high induction transients

Units must be installed in accordance with federal, provincial and local codes and ordinance

ITEM	OUTDOOR UNIT			
	System "A"		System "B"	
	MS09NW	MS09NW	MS15NW	MS15NW
Model			MUM30NN	
External finish			Munsell 5Y 6.5/1	
Sound level		dB(A)	56.5	
Power supply	V, Phase, Hz		230/115,1,60	
Max.fuse size(time delay)	A		30	
Min.ampacity	A		25	
Fan motor	F.L.A.		0.8 + 0.7	
Compressor	R.L.A.		10	8
	F.L.A.		37	29
Refrigerant control			CAPILLARY TUBE	
Dimensions	W	mm	940	
	D	mm	390	
	H	mm	1150	
Weight		kg	108.9	
<b>REFRIGERANT PIPING (NOT SUPPLIED)</b>		Each System		
Refrigerant Tubing		Liquid	1/4	
(Individually Insulated)		Gas	3/8	5/8
Connection Method			Flare	
Maximum Height Differential		m	8	
Maximum Line Length		m	20	
Refrigerant Type			R22	
Precharged to		m	8	
Remote Controller			WIRELESS TYPE	
Control Voltage (by built-in transformer)			DC 12V	