



unique

innovative



efficient



Floating Air

Friedrich®

Ductless Split Systems

fasteasysolutions

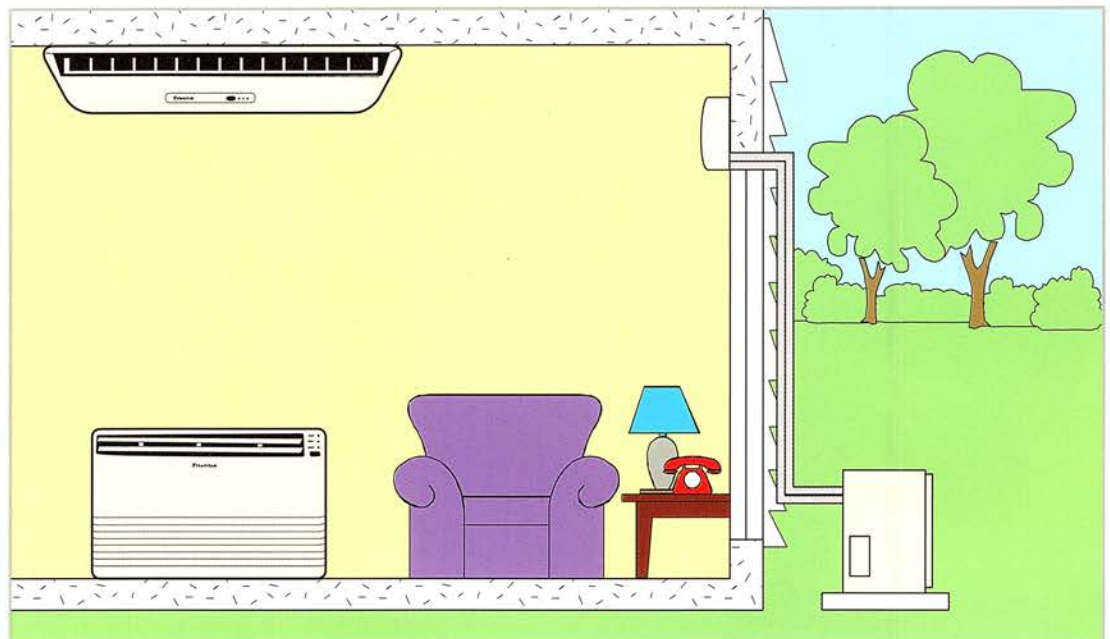
for Even the Most Difficult Applications

Easy to install and simple to operate, Friedrich ductless split systems are the best choice for renovations, room additions, and even new construction when the advantages of energy-efficient zone cooling are desired. Whether your needs are residential, commercial or institutional, there is a Friedrich system that will satisfy your requirements.

Exceptionally quiet, the slim, compact indoor unit can be located virtually anywhere, making it suitable for any room configuration. Offering a choice of wall mounted, ceiling or floor models, Friedrich can provide the system that suits your needs best ... making sure it's aesthetically pleasing as well as practical.

- residential remodeling • sun rooms • churches
- equipment rooms • correctional facilities
- nursing homes • grocery stores • restaurants
- motels • classrooms • medical facilities
- historical buildings • computer rooms
- strip centers • school offices • home offices

Wall, floor and ceiling mounted indoor units are connected by refrigeration lines and wiring to outdoor unit.



the benefits

of Friedrich Ductless Split Systems

EASY INSTALLATION Your system will be up and running in just a few short hours in most cases.

LOW INSTALLED COST Ductless systems have a clear advantage over central air conditioning when ducts are not already present.

LOWER UTILITY BILLS Unlike central air conditioners that cool all areas the same, ductless systems cool only those rooms that you tell it to. No more wasted dollars on cooling unused rooms.

ULTRA-QUIET OPERATION Ductless systems are in sharp contrast to other types of air conditioners where the rush of air from ducted vents can be annoying, or where compressor noise of window units can be objectionable.

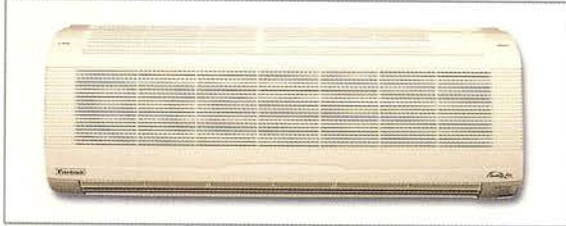
SIMPLE CONTROLS You decide what room conditions to set for your own personal comfort. And with state-of-the-art electronics, system controls constantly monitor and maintain selected settings.

SECURITY ADVANTAGE Only a small 3 inch hole is needed for connecting indoor and outdoor units. No worries about intrusion through window installations or wall openings.

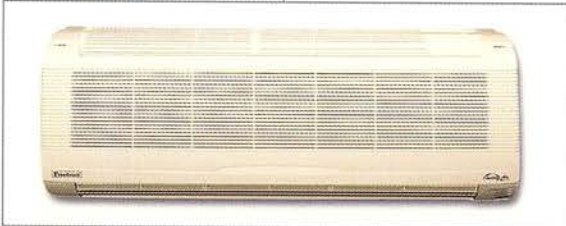
LOW AMBIENT COOLING Most models feature built-in controls that allow the unit to cool even when outdoor temperatures fall to 0° F. An important feature typically required for computer, telecom and electronic gear rooms, or any other room requiring year-round cooling.

wall mounted air conditioners

M09CE



M12CE



	M09CE	M12CE
BTU/h	9,400	12,200
Voltage	115 V	115 V
Indoor	MW09C1E	MW12C1E
Outdoor	MR09C1E	MR12C1E



indoor unit features

- swing louvers (up/down)
- removable front grille
- washable, reusable air filters
- auto-shut flaps
- auto-restart
- low ambient operation

wireless remote control

- 24 hour timer
- sleep timer
- auto-cool-dry-fan
- 4 fan speeds plus auto-fan

Quiet, slim, compact indoor units can be located virtually anywhere.

	M18CE	M24CE	M30CE
BTU/h	18,000	23,000	29,500
Voltage	230/208 V	230/208 V	230/208 V
Indoor	MW18C3E	MW24C3E	MW30C3E
Outdoor	MR18C3E	MR24C3E	MR30C3E

indoor unit features

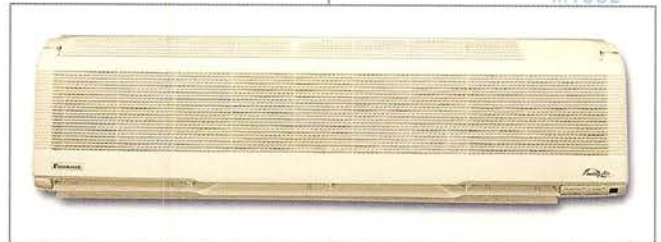
- swing louvers (up/down, left/right)
- auto-restart
- washable, reusable air filters
- auto-shut flaps
- low ambient operation

wireless remote control

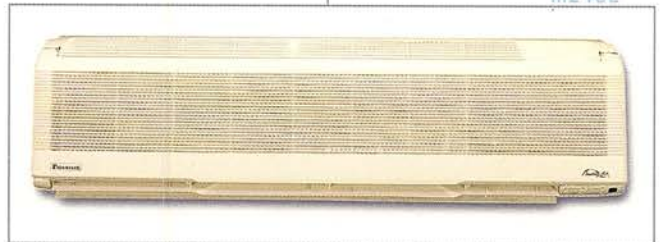
- 24 hour timer
- sleep timer
- auto-cool-dry-fan-heat
- 3 fan speeds plus auto-fan
- 4 different transmitter codes
- secured remote control holder



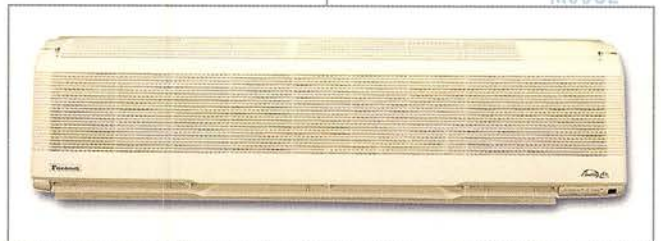
M18CE



M24CE

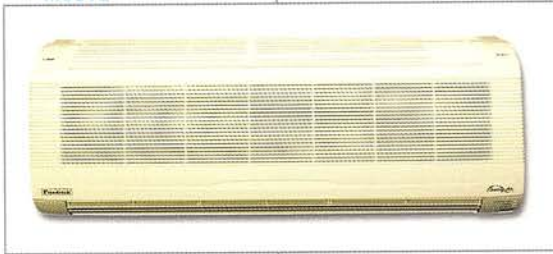


M30CE



wall mounted heat pumps

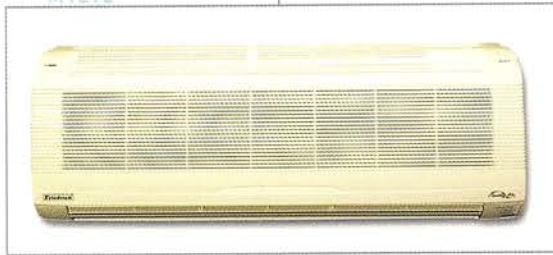
M09YE



	M09YE	M12YE
BTU/h - cool	9,400	11,800
BTU/h - heat	10,800	14,000
Voltage	115 V	115 V
Indoor	MW09Y1E	MW12Y1E
Outdoor	MR09Y1E	MR12Y1E



M12YE



indoor unit features

- swing louvers (up/down)
- removable front grille
- washable, reusable air filters
- auto-shut flaps
- auto-restart
- low ambient operation (cooling)

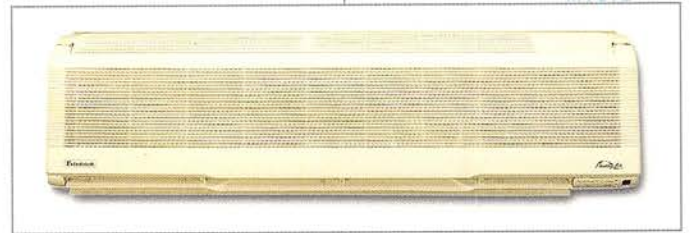
wireless remote control

- 24 hour timer
- sleep timer
- auto-cool-dry-fan-heat
- 4 fan speeds plus auto-fan

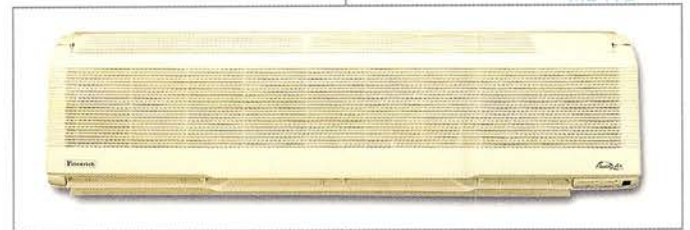


	M18YE	M24YE
BTU/h - cool	17,500	23,000
BTU/h - heat	18,000	23,500
Voltage	230/208 V	230/208 V
Indoor	MW18Y3E	MW24Y3E
Outdoor	MR18Y3E	MR24Y3E

M18YE



M24YE



wireless remote control

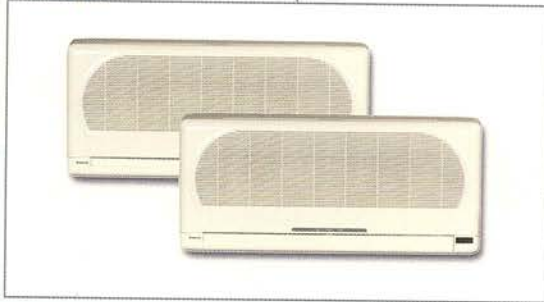
- 24 hour timer
- sleep timer
- auto-cool-dry-fan-heat
- 3 fan speeds plus auto-fan
- 4 different transmitter codes
- secured remote control holder

indoor unit features

- swing louvers (up/down, left/right)
- auto-restart
- washable, reusable air filters
- auto-changeover
- auto-shut flaps
- low ambient operation (cooling)

dualzoneairconditioners

M18DCD



	M18DCD
BTU/h	18,200
Voltage	230/208 V
Indoor	MW09C1D x 2
Outdoor	MR18DC3D



Two indoor units connected to a single outdoor unit provide installation time, savings and more outdoor space to enjoy.

Use for two adjoining rooms, long narrow rooms or for back-up systems in remote areas.

Each unit is independently controlled for optimum zone cooling flexibility.

indoor unit features

- 4-way adjustable air louvers
- removable front grille
- washable, reusable air filters
- filter check timer
- emergency power switch
- anti-frost control

wireless remote control

- 24 hour timer
- sleep timer
- auto-cool-dry-fan
- 3 fan speeds plus auto-fan

floor/ceilinguniversalmount

	S22CE
BTU/h - cool	21,000
Voltage	230/208 V
Indoor	MS22C3E
Outdoor	MR22C3E



wireless remote control

- 24 hour timer
- sleep timer
- auto-cool-dry-fan
- 3 fan speeds plus auto-fan
- 4 different transmitter codes
- secured remote control holder

indoor unit features

- swing louvers (up/down, left/right)
- auto-restart
- washable, reusable air filters
- auto-shut flaps
- fresh air capability

S22CE

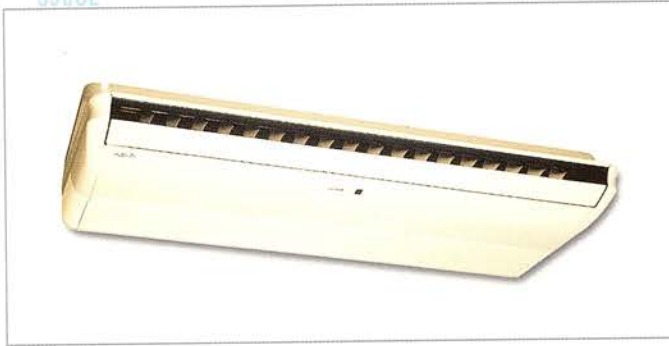


OR



ceiling suspended air conditioners

S36CE



BTU/h	S36CE
Voltage	36,500
Indoor	230/208 V
Outdoor	MS36C3E
	MR36C3E



wireless remote control

- 24 hour timer
- sleep timer
- auto-cool-dry-fan
- 3 fan speeds plus auto-fan
- 4 different transmitter codes
- secured remote control holder

indoor unit features

- swing louvers (up/down, left/right)
- auto-restart
- washable, reusable air filters
- auto-shut flaps
- low-ambient operation
- fresh air capability

t-bar cassette air conditioners

	C24CC
BTU/h	24,000
Voltage	230/208 V
Indoor	MC24C1
Outdoor	MR24C3C



C24CC



Space-saving cooling cassettes fit neatly and compactly into all acoustical ceilings.

Easily mounts in standard T-bar ceiling framework with supplied hanger.

remote control features

- 7 day programming
- 24 volt control
- auto swing louver switch
- 4 time/temperature programs per day
- battery back-up

indoor unit features

- washable, reusable air filters
- auto swing louvers
- built-in condensate pump
- fits acoustical tile ceiling opening
- mounting bracket included
- fresh air duct connection
- fan speed selector switch

wall mounted air conditioners

PERFORMANCE RATINGS

MODEL NO.		M09CE	M12CE	M18CE	M24CE	M30CE
Capacity Cooling	BTU/h	9400	12200	18000	23000	29500
SEER		11.0	11.0	11.0	10.5	10.0
Moisture Removal	Pts/h	2.9	3.8	4.2	5.7	9.1
Air Flow (High)	CFM	300	306	470	648	648
Sound Rating – Indoor	dB-A	40-37-34-32	41-39-37-35	42-38-34	48-46-42	48-46-42
Sound Rating – Outdoor	dB-A	47	47	56	57	59
Operating Range	°F	0 to 115	0 to 115	0 to 115	0 to 115	0 to 115

ELECTRICAL DATA

Power Source		115-60-1	115-60-1	230/208-60-1	230/208-60-1	230/208-60-1
Min. Ampacity	A	12	15	15	15	20
Cooling Watts	W	950	1250	1700	2200	3150
Max. TD Fuse/Breaker	A	15	20	20	20	30

REFRIGERATION LINES

Connections		Flare	Flare	Flare	Flare	Flare
Liquid Line O.D.	in	1/4	1/4	3/8	3/8	3/8
Suction Line O.D.	in	3/8	1/2	5/8	5/8	3/4
Factory Pre-charge	ft	25	25	25	25	25
Max. Line Length	ft	49	49	65	65	98
Max. Height Difference	ft	26	26	26	26	49

DIMENSIONS & WEIGHT

INDOOR UNIT		MW09C1E	MW12C1E	MW18C3E	MW24C3E	MW30C3E
W x H x D	in	32 1/8 x 11 x 7	32 1/8 x 11 x 7	49 1/4 x 12 1/8 x 7 3/4	49 1/4 x 12 1/8 x 7 3/4	49 1/4 x 12 1/8 x 7 3/4
Shipping Weight	lbs	26	26	55	55	55
OUTDOOR UNIT		MR09C1E	MR12C1E	MR18C3E	MR24C3E	MR30C3E
W x H x D	in	30 3/4 x 20 7/8 x 9 7/8	30 3/4 x 20 7/8 x 9 7/8	33 x 25 3/8 x 13 1/4	33 x 25 3/8 x 13 1/4	37 x 45 3/8 x 14 5/8
Shipping Weight	lbs	66	77	163	165	238

wall mounted heat pumps

PERFORMANCE RATINGS

MODEL NO.		M09YE	M12YE	M18YE	M24YE
Capacity Cooling	BTU/h	9400	11800	17500	23000
Capacity Heating @47°F	BTU/h	10800	14000	18000	23500
Capacity Heating @17°F	BTU/h	6000	7500	11000	14000
HSPF		7.2	7.2	6.8	6.8
SEER		10.5	10.5	10.5	10.5
Moisture Removal	Pts/h	2.1	3.2	3.8	6.4
Air Flow (High)	CFM	300	306	470	648
Sound Rating – Indoor	dB-A	40-37-34-32	41-39-37-35	42-38-34	48-46-42
Sound Rating – Outdoor	dB-A	49	49	56	57
Operating Range – Cooling	°F	0 to 115	0 to 115	0 to 115	0 to 115
Operating Range – Heating	°F	17 to 75	17 to 75	17 to 75	17 to 75

ELECTRICAL DATA

Power Source		115-60-1	115-60-1	230/208-60-1	230/208-60-1
Min. Ampacity	A	12	15	15	15
Cooling Watts	W	1020	1270	1750	2230
Heating Watts	W	910	1230	1580	2020
Max. TD Fuse/Breaker	A	15	20	20	20

REFRIGERATION LINES

Connections		Flare	Flare	Flare	Flare
Liquid Line O.D.	in	1/4	1/4	3/8	3/8
Suction Line O.D.	in	3/8	1/2	5/8	5/8
Factory Pre-charge	ft	25	25	25	25
Max. Line Length	ft	49	49	65	65
Max. Height Difference	ft	26	26	26	26

DIMENSIONS & WEIGHT

INDOOR UNIT		MW09Y1E	MW12Y1E	MW18Y3E	MW24Y3E
W x H x D	in	32 1/8 x 11 x 7	32 1/8 x 11 x 7	49 1/4 x 12 1/8 x 7 3/4	49 1/4 x 12 1/8 x 7 3/4
Shipping Weight	lbs	26	26	55	55
OUTDOOR UNIT		MR09Y1E	MR12Y1E	MR18Y3E	MR24Y3E
W x H x D	in	30 3/4 x 20 7/8 x 9 7/8	30 3/4 x 20 7/8 x 9 7/8	33 x 25 3/8 x 13 1/4	33 x 25 3/8 x 13 1/4
Shipping Weight	lbs	68	82	165	167



**Friedrich...
innovative
products known
worldwide for
quality, efficiency
and dependability**

ductless split systems
room air conditioners
packaged terminal air conditioners
thru-the-wall air conditioners
single package vertical air conditioners
electronic air cleaners
The Insider™

Friedrich®

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*As a leading specialty
manufacturer, Friedrich focuses
exclusively on manufacturing
innovative air treatment
products that exceed the
rigorous standards of a highly
competitive marketplace.*

*In over 160 countries around the
world – in hotels and motels,
commercial buildings and in
residential applications –
Friedrich products provide
unparalleled comfort,
convenience and value.*



dual zone floor/ceiling ceiling suspended t-bar cassette

PERFORMANCE RATINGS

MODEL NO.		M18DCD	S22CE	S36CE	C24CC
Capacity Cooling	BTU/h	18200	21000	36500	24000
SEER		10.3	10.0	10.0	10.2
Moisture Removal	Pts/h	2.5 EA.	5.2	8.7	4.5
Air Flow (High)	CFM	300 EA.	530	1236	950
Sound Rating – Indoor	dB-A	46-43-40	49-45-41	51-49-45	56-52-48
Sound Rating – Outdoor	dB-A	76	56	59	76
Operating Range	°F	65 to 115	65 to 115	0 to 115	0 to 115 (with HPC-8)

ELECTRICAL DATA

Power Source		230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1 (Indoor: 115-60-1)
Min. Ampacity	A	15	15	20	16 (Indoor: 7.7)
Cooling Watts	W	1995	2180	3850	2575
Max. TD Fuse/Breaker	A	20	20	30	25 (Indoor: 15)

REFRIGERATION LINES

Connections		Flare	Flare	Flare	Flare
Liquid Line O.D.	in	2@ 1/4	3/8	3/8	1/4
Suction Line O.D.	in	2@ 1/2	5/8	3/4	5/8
Factory Pre-charge	ft	25	25	25	25
Max. Line Length	ft	50	65	164	50 - SEE NOTE
Max. Height Difference	ft	33	26	99	33

DIMENSIONS & WEIGHT

INDOOR UNIT		MW09C1D (2)	MS22C3E	MS36C3E	MC24C1
W x H x D	in	31 3/4 x 14 1/2 x 6 1/8	39 x 7 13/16 x 25 25/32	65 3/8 x 9 1/2 x 27 5/8	46 5/8 x 19 1/2 x 23
Shipping Weight	lbs	29 EA.	86	134	235
OUTDOOR UNIT		MR18DC3D	MR22C3E	MR36C3E	MR24C3C
W x H x D	in	33 x 25 3/4 x 13 1/4	33 x 25 3/8 x 13 1/4	37 x 45 3/8 x 14 5/8	33 x 25 3/4 x 13 1/4
Shipping Weight	lbs	147	167	259	145

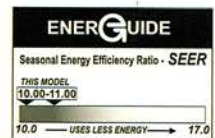
NOTE: Maximum line length for C24CC may be extended up to 80 feet with field-installed accumulator. Contact Friedrich for specifications.



C



C



split system accessories

INSULATED TUBE KITS

SYSTEM MODEL NUMBER	15 FT. KIT	35 FT. KIT
M09CE, M09YE	T32150	T32350
M12CE, M18DCD*, M12YE	T42150	T42350
C24CC	T52150	T52350
M18CE, M18YE, M24CE, M24YE	T53150	T53350
S22CE		
M30CE, S36CE	T63150	T63350

*Requires two Tube Kits per system.

LOW AMBIENT KIT

SYSTEM MODEL NUMBER	KIT NUMBER
C24CC	HPC-8

Low Ambient Kit is factory calibrated and does not require adjustment. Designed for cooling operation in outdoor temperatures as low as 0°F. Continuous operation below 32°F may reduce the life of the fan motor and other components.

CONDENSATE DRAIN PUMP

SYSTEM MODEL NUMBER	KIT NUMBER
S36CE	DP-36

Maximum lift is 11 1/2 inches.

FRESH AIR DUCT CONNECTOR

SYSTEM MODEL NUMBER	KIT NUMBER
S36CE	ADC-36

Flanged duct connector attaches to rear of indoor unit.

STANDARD RATING CONDITIONS: COOLING - 95° F DB Outdoor
80° F DB Indoor
67° F WB Indoor

HEATING - 47° F DB Outdoor
70° F DB Indoor
43° F WB Indoor

Ratings for 230/208 models are shown for 230V.

outdoorcondensingunits

Engineered to withstand the harshest conditions found around the world, Friedrich condensing units are made using only the finest materials and components. Each unit is thoroughly inspected and run-tested before it leaves the factory.

Most Friedrich ductless systems use small suitcase-style, horizontal discharge units that discharge air quietly so people and landscaping are undisturbed.

Ultra-quiet, compact condensing units are designed to be energy efficient, durable and aesthetically pleasing.

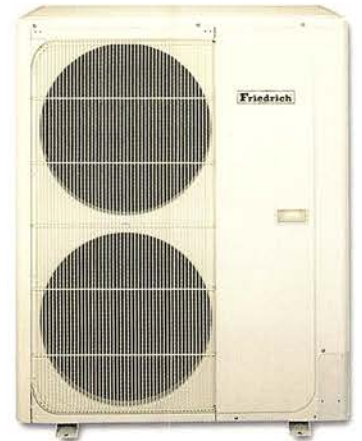
outdoor unit features

- High-efficiency, hermetically sealed compressor has overload protection for long life
- Zinc coated steel cabinet with baked-on electrocoat primer and polyester melamine enamel finish withstands the harshest elements
- Condenser coil with louvered aluminum fins mechanically bonded to copper tubing provides optimum heat transfer
- Three minute time delay guards against compressor damage
- Electrical knockouts provided for utility connections and wiring between units
- Flare fittings permit quick, dependable installation with no brazing
- Resilient compressor vibration isolators help keep noise to a minimum
- Totally enclosed fan motor assures long, reliable operation
- End panel is easily removed for installation and routine inspection

used with
M09CE, M09YE,
M12CE, M12YE



used with
M30CE,
S36CE



used with
M18DCD,
C24CC



used with
M18CE, M18YE,
M24CE, M24YE,
S22CE

