



FRIEDRICH

1883



# DUCTLESS SPLIT SYSTEMS

All Inverter Line— Featuring NEW 115 Volt Wall mounted Models  
WALL MOUNTED, FLOOR/CEILING, CEILING AND MULTI-ZONE WALL MOUNTED.



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# FULL LINE, FULLY FEATURED

Wall, floor and ceiling models, all with an extensive set of convenience features



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## DUCTLESS ADVANTAGES

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### SEER ratings up to 22.0

All Friedrich ductless models exceed the federal 13.0 SEER requirements. And, more than 50% of our models have ratings ranging from 16.5 to 22.0 SEER. Seven models are Energy Star® qualified with EERs up to 14.0.

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### Extremely quiet

Ductless systems keep the operating noise of the condensing unit outdoors, while the blower fan of the indoor unit remains whisper quiet.

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### Zone cooling flexibility

Independently condition up to 4 separate rooms using only a single outdoor unit. Achieve the ultimate in comfort and energy control by cooling or heating only the rooms that are in use.

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### Variable capacity advantages

Inverter Technology allows each system to adjust capacity and cooling output to provide only the amount of cooling needed at a given time. For example, an 18,000 Btu system will operate even more efficiently as a 15,500 if that is all that's needed.

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### Zero duct loss

The DOE reports that ducted systems lose an average of 25-40% in performance due to leaks, cracks or disconnections in ductwork. No ductwork means zero duct loss—ultra high efficiency delivers directly to the room.

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### No dirty air ducts

Now there's no need to clean dirty air ducts that can harbor dust, germs and allergens that are eventually blown into your home or office.

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### Heat pump advantages

- 16 to choose from
- Energy savings
- Primary or supplemental heat

**7**  
Energy Star®  
Models



Learn more about ductless  
@ [www.friedrich.com](http://www.friedrich.com)

*The Ultimate Room Air Conditioner*  
Our online video explains the advantages of Friedrich ductless splits

# LIGHT COMMERCIAL & RESIDENTIAL

## applications

- Hotels and other lodging
- Computer rooms/server rooms
- Restaurant kitchen and prep areas
- Offices in warehouse spaces
- Storage facilities
- Buildings where security concerns prevent the use of window units
- Internal areas without exterior wall access

- Room additions/renovations
- Homes without ductwork
- Bedrooms and family rooms
- Garage workshops
- Sunrooms
- Guest quarters
- Wine cellars



## Wall mounted single zone

NEW! 115 volt, 9000 and 12000 Btu Inverter models now available.  
Wall mounted capacities up to 3 tons.

### Features

- LCD remote for each indoor unit
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat\* modes
- Four fan speeds heating\* or cooling: high/medium/low/quiet, plus auto-fan
- Continuous 'Air Sweep' UP/DOWN
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, reusable air filters
- Removable front grille
- Auto-changeover (heat pump models)
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units

\* Heat pump models only

DWC optional, wired wall mounted controller available on 18000 Btu and higher Btu models including multi-zone



115 V- Cool only

● 9000 AND 12000 Btu

230/208 V- Cool only

● 18000 TO 33000 Btu

230/208 V- Heat pump

● 8500 TO 22000 Btu

● 10000 TO 27600 Btu



### Cool only

model	btu/h	seer
● M09CH	9000	22.0
● M12CH	12000	20.0
● M18CF	18000	19.0
● M24CG	24000	17.5
● M30CG	30700	16.5
● M36CG	33000	15.5

### Heat pumps

model	btu/h	seer
● ● M09YH	8500 10000	21.0
● ● M12YH	11500 14000	21.0
● ● M18YH	18000 21600	19.2
● ● M24YH	22000 27600	18.0

● = cooling capacity

● = heating capacity

## Wall mounted multi-zone heat pumps

Two, three or four wall mounted indoor units connected to one outdoor unit.

### Features

- LCD remote for each indoor unit with secured holder
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Four fan speeds heating or cooling: high/medium/low/quiet, plus auto-fan
- Continuous 'Air Sweep' UP/DOWN
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off
- Washable, reusable air filters
- Removable front grille
- Auto-changeover
- Low-ambient operation
- Four different transmitter codes to prevent unintentional interference with nearby units

DWC optional, wired wall mounted controller available on 18000 Btu and higher Btu models including multi-zone



		zone 1	zone 2	zone 3	zone 4		
	model	btu/h				total btu	seer
C	M18DYF	9500	9500	—	—	19000	16.5
H		11000	11000			22000	
C	M21DYF	9500	12000	—	—	21500	16.5
H		11000	14000			25000	
C	M24DYF	12000	12000	—	—	24000	16.5
H		14000	14000			28000	
C	M27TYF	9200	9200	9200	—	27600	15.0
H		11200	11200	11200		33600	
C	M30TYF	9300	9300	11800	—	30400	15.0
H		11000	11000	14000		36000	
C	M33TYF	9400	11800	11800	—	33000	15.0
H		10700	13600	13600		37900	
C	M36TYF1	9100	9100	17000	—	35200	15.0
H		9800	9800	18400		38000	
C	M36TYF2	11700	11700	11700	—	35100	15.0
H		12700	12700	12700		38100	
C	M36QYF	8800	8800	8800	8800	35200	15.0
H		9500	9500	9500	9500	38000	

C = cooling capacity  
H = heating capacity

## MULTI-ZONE FLEXIBILITY

Precise comfort from one system in up to four different zones. Occupants have the ability to set the temperature to their preferred comfort level. And, you can turn off units in unoccupied rooms. That's the beauty- and efficiency of a Friedrich multi-zone system.



Each unit has its own remote for individual comfort control



4



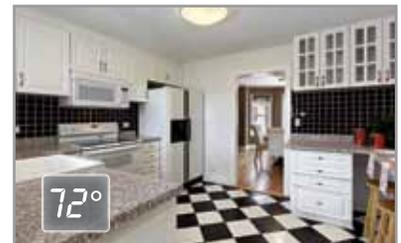
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## Floor/ceiling universal heat pump

Universal system may be located low against the wall or on the ceiling.

### Features

- LCD remote control with secured holder
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Three fan speeds heating or cooling: high/medium/low, plus auto-fan
- Continuous 'Air Sweep' UP/DOWN
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Auto-changeover
- Washable, reusable air filters
- Fresh air capability
- Four different transmitter codes
- Self-diagnostics



### Heat pump

S24YF **C** 22,200 BTU/h 15.0 SEER  
**H** 24,200 BTU/h



MR24

## Ceiling cassette heat pump

### Features

- Wired, 7-day programmable remote with on/off timer; controls up to 16 units—individually or by zones
- Self-diagnostics
- Auto/cool/dry/fan/heat modes
- Three fan speeds heating or cooling:
- Auto-swing louvers (up/down)
- Continuous 'Air Sweep'
- Auto-restart after power interruptions
- Auto-changeover
- Washable, reusable air filters
- Low-ambient operation
- Fresh air intake
- Two branch ducts for adjoining rooms (requires additional fan)
- Condensate pump: 31" lift
- Auto-shut flaps close when unit is off



low profile—9 1/4" above ceiling

### Heat pump

C24YF **C** 22,200 BTU/h 15.0 SEER  
**H** 24,200 BTU/h

## Ceiling suspended heat pump

### Features

- LCD remote control with secured holder
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Three fan speeds heating or cooling: high/medium/low, plus auto-fan
- Auto swing louvers (up/down, left/right)
- Continuous 'Air Sweep'
- Auto-restart after power interruptions
- Auto-shut flaps
- Washable, reusable air filters
- Four different transmitter codes
- Secured remote control holder
- Self-diagnostics
- Fresh air capability
- Auto-changeover
- Low-ambient operation
- Optional DP-36 condensate pump



### Heat pump

S36YF **C** 34,100 BTU/h 14.0 SEER  
**H** 38,200 BTU/h



MR36

WALL MOUNTED COOL ONLY

PERFORMANCE RATINGS							
SYSTEM MODEL NO.		M09CH	M12CH	M18CF	M24CG	M30CG	M36CG
INDOOR MODEL		MW09C1H	MW12C1H	MW18C3F	MW24C3G	MW30C3G	MW36C3G
OUTDOOR MODEL		MR09C1H	MR12C1H	MR18C3F	MR24C3G	MR30C3G	MR36C3G
CAPACITY COOLING	Btu	9000	12000	18000	24000	30700	33000
CAPACITY COOLING MIN - MAX	Btu	4435-10600	4500-14000	5500-19000	5200-25000	9900-32400	9900-34100
COOLING AMPS		7	11	7.7	10.5	14.2	17.3
SENSIBLE HEAT RATIO		0.75	0.75	0.63	0.76	0.65	0.67
SEER		22	20	19	17.5	16.5	15.5
EER		14	13.5	10.4	10.0	9.5	8.5
ENERGY STAR		YES	YES	NO	NO	NO	NO
FEDERAL TAX REBATE		YES	YES	NO	NO	NO	NO
MOISTURE REMOVAL	Pts/h	1.69	2.53	5.9	6.3	9.7	10.1
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	217/253/294/329	217/253/276/300	240/290/355/415	365/436/530/659	365/435/530/660	365/440/530/700
SOUND RATING - INDOOR	dB-A	26/30/34/38	26/32/36/40	25/32/38/44	33/37/42/48	33/37/42/49	33/37/42/51
SOUND RATING - OUTDOOR	dB-A	53	55	50	56	54	54
OPERATIONG RANGE	°F	0-115	0-115	14- 115	14 - 115	14 - 115	14 - 115
EST. YEARLY OPERATING COST		\$51	\$71	\$138	\$192	\$258	\$310
ELECTRICAL DATA							
POWER SOURCE		115-60-1	115-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	15	15	16	14	22	22
COOLING WATTS	W	643	889	1730	2400	3240	3880
MAX. TD FUSE/BREAKER	A	25*	25*	20	20	30	30
REFRIGERATION SYSTEM							
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
CONNECTIONS		Flare	Flare	Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
SUCTION LINE O.D.	in	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"
FACTORY PRECHARGE	ft	25'	25'	49'	49'	66'	66'
MAX. LINE LENGTH	ft	66'	66'	66'	98'	164'	164'
MAX. HEIGHT DIFFERENCE	ft	33'	33'	49'	66'	98'	98'
DIMENSIONS & WEIGHT							
INDOOR UNIT							
W X H X D	in	33 1/4" x 10 7/8" x 7 1/8"	33 1/4" x 10 7/8" x 7 1/8"	31 1/8" x 10 7/8" x 8 1/2"	39 1/4" x 12 5/8" x 9"	39 1/4" x 12 5/8" x 9"	39 1/4" x 12 5/8" x 9"
NET WEIGHT	lbs	24	24	21	31	31	31
SHIPPING WEIGHT	lbs	32	32	26	40	40	40
OUTDOOR UNIT							
W X H X D	in	33 3/8" x 21 1/4" x 12 5/8"	33 3/8" x 21 1/4" x 12 5/8"	31 1/8" x 22 3/4" x 12 3/8"	31 1/8" x 24 7/16" x 11 3/4"	32 3/4" x 35 3/8" x 13"	32 3/4" x 35 3/8" x 13"
NET WEIGHT	lbs	80	90	88	88	135	135
SHIPPING WEIGHT	lbs	90	97	98	97	150	150
TOTAL NET WEIGHT	lbs	104	114	109	119	166	166
TOTAL SHIPPING WEIGHT	lbs	122	129	124	137	190	190

\*Recommended circuit breaker size 20A.

WALL MOUNTED HEAT PUMPS

PERFORMANCE RATINGS					
SYSTEM MODEL NO.		M09YH	M12YH	M18YH	M24YH
INDOOR MODEL		MW09Y3H	MW12Y3H	MW18Y3H	MW24Y3H
OUTDOOR MODEL		MR09Y3H	MR12Y3H	MR18Y3H	MR24Y3H
CAPACITY COOLING	Btu	8500	11500	18000	22000
CAPACITY COOLING MIN - MAX	Btu	1700-10900	3100-13300	7000-23000	9900-27300
COOLING AMPS		3.3	4.3	6.3	7.9
SENSIBLE HEAT RATIO		0.65	0.64	0.64	0.68
CAPACITY HEATING @ 47°F	Btu	10000	14000	21600	27600
CAPACITY HEATING MIN - MAX	Btu	1700-15000	3100-19100	7000-29000	7500-36200
CAPACITY HEATING @ 17°F	Btu	6700	8800	14600	18400
HSPF		10.5	10.5	10.0	10.0
SEER		21.0	21.0	19.2	18.0
EER		12.5	12.5	13.0	12.5
ENERGY STAR		YES	YES	YES	YES
FEDERAL TAX REBATE		YES	YES	YES	YES
MOISTURE REMOVAL	Pts/h	2.7	3.8	5.9	6.3
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	188/283/377/447	188/283/377/447	305/365/435/540	365/435/530/660
SOUND RATING - INDOOR	dB-A	22/33/38/43	22/33/38/43	28/33/37/43	33/37/42/49
SOUND RATING - OUTDOOR	dB-A	46	49	47	54
OPERATING RANGE (HEATING)	°F	14 - 115 (5 - 75)	14 - 115 (5 - 75)	14 - 115 (5 - 75)	0 - 115 (0 - 75)
EST. YEARLY OPERATING COST		\$54	\$73	\$111	\$141
ELECTRICAL DATA					
POWER SOURCE		230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	10	12	16	21
COOLING WATTS	W	680	920	1380	1760
MAX. TD FUSE/BREAKER	A	15	15	20	30
REFRIGERATION SYSTEM					
REFRIGERANT		R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter	Inverter
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	3/8	5/8	5/8
FACTORY PRECHARGE	ft	49'	25'	66'	66'
MAX. LINE LENGTH	ft	66'	66'	164'	164'
MAX. HEIGHT DIFFERENCE	ft	49'	49'	98'	98'
DIMENSIONS & WEIGHT					
INDOOR UNIT					
W X H X D	in	31 1/8" x 11" x 7 3/4"	31 1/8" x 11" x 7 3/4"	39 1/4" x 12 5/8" x 9"	39 1/4" x 12 5/8" x 9"
NET WEIGHT	lbs	17	17	31	31
SHIPPING WEIGHT	lbs	21	21	40	40
OUTDOOR UNIT					
W X H X D	in	26" x 21 1/4" x 11 3/8"	26" x 21 1/4" x 11 3/8"	32 3/4" x 35 3/8" x 13"	32 3/4" x 35 3/8" x 13"
NET WEIGHT	lbs	55	68	135	135
SHIPPING WEIGHT	lbs	62	75	150	150
TOTAL NET WEIGHT	lbs	72	85	166	166
TOTAL SHIPPING WEIGHT	lbs	83	96	190	190

DUAL-ZONE HEAT PUMPS

QUAD-ZONE HEAT PUMP

PERFORMANCE RATINGS						
SYSTEM MODEL NO.		M18DYF	M21DYF		M24DYF	M36QYF
INDOOR MODEL		2 x MW09Y3FM	MW09Y3FM	MW12Y3FM	2 x MW12Y3FM	4 x MW09Y3FM
OUTDOOR MODEL		MR24DY3F	MR24DY3F		MR24DY3F	MR36TQY3F
Capacity Cooling	Btu	9500 ea.	9500	12000	12000 ea.	8800 ea.
CAPACITY COOLING MIN - MAX	Btu	5100-11300 ea.	5100-11300 ea.	5100-13600 ea.	5100-13600 ea.	5100-11300 ea.
SENSIBLE HEAT RATIO		0.77	0.77	0.77	0.77	0.71
CAPACITY HEATING @ 47°F	Btu	11000 ea.	11000 ea.	14000	14000 ea.	9500 ea.
CAPACITY HEATING MIN - MAX	Btu	5100-13000 ea.	5100-13000 ea.	5100-15400 ea.	5100-15400 ea.	5100-13000 ea.
CAPACITY HEATING @ 17°F	Btu	9500 ea.	9500 ea.	11000	10500 ea.	6600 ea.
HSPF		9.0	9.0		9.0	9.0
SEER		16.5	16.5		16.5	15.0
EER		12.2	11.2		10.4	8.8
ENERGY STAR		YES	NO		NO	NO
MOISTURE REMOVAL	Pts/h	2.9 ea.	2.9 ea.	3.7 ea.	3.7 ea.	2.9 ea.
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	185,220,260,295	185,220,260,295	215,250,305,355	215,250,305,355	185,220,260,295
SOUND RATING - INDOOR	dB-A	27,29,33,37	27,29,33,37	30,34,39,42	30,34,39,42	27,29,33,37
SOUND RATING - OUTDOOR	dB-A	52	52		52	52
OPERATION RANGE (HEATING)	°F	0 - 115 (14 - 75)	0 - 115 (14 - 75)		0 - 115 (14 - 75)	0 - 115 (14 - 75)
EST. YEARLY OPERATING COST		\$128	\$152	\$152	\$184	\$312
ELECTRICAL DATA (ALL INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNIT; VALUES LISTED ARE TOTAL)						
POWER SOURCE		230/(208)-60-1	230/(208)-60-1		230/(208)-60-1	230/(208)-60-1
MIN. AMPACITY	A	15	15		15	22.5
COOLING WATTS	W	1600	1900		2300	3900
MAX. TD FUSE/BREAKER	A	20	20		20	30
REFRIGERATION SYSTEM						
REFRIGERANT		R410A	R410A		R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter		Inverter	Inverter
CONNECTIONS		Flare	Flare		Flare	Flare
LIQUID LINE O.D.	in	1/4"	1/4"	1/4"	1/4"	1/4"
SUCTION LINE O.D.	in	3/8"	3/8"	3/8"	3/8"	3/8"
FACTORY PRECHARGE	ft	98'	98'		98'	165'
MAX. LINE LENGTH	ft	Each unit:82 Total:98	Each unit:82 Total:98		Each unit:82 Total:98	Each unit:82 Total:230
MAX. HEIGHT DIFFERENCE	ft	33'	33'		33'	49'
DIMENSIONS & WEIGHT						
INDOOR UNIT						
W X H X D	in	31 1/8" x 10 7/8" x 8 1/2" ea.	31 1/8" x 10 7/8" x 8 1/2" ea.		31 1/8" x 10 7/8" x 8 1/2" ea.	31 1/8" x 10 7/8" x 8 1/2" ea.
NET WEIGHT	lbs	21 ea.	21	21	21 ea.	21 ea.
SHIPPING WEIGHT	lbs	26 ea.	26	26	26 ea.	26 ea.
OUTDOOR UNIT						
W X H X D	in	35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"		35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"
NET WEIGHT	lbs	136	136		136	149
SHIPPING WEIGHT	lbs	154	154		154	167

TRI-ZONE HEAT PUMPS

PERFORMANCE RATINGS								
SYSTEM MODEL NO.	M27TYF	M30TYF		M33TYF		M36TYF1		M36TYF2
INDOOR MODEL	3 x MW09Y3FM	2 x MW09Y3FM	MW12Y3FM	MW09Y3FM	2 x MW12Y3FM	2 x MW09Y3FM	MW18Y3FM	3 x MW12Y3FM
OUTDOOR MODEL	MR36TQY3F	MR36TQY3F		MR36TQY3F		MR36TQY3F		MR36TQY3F
CAPACITY COOLING	Btu 9200 ea.	9300 ea.	11800	9400	11800 ea.	9100 ea.	17000	11700 ea.
CAPACITY COOLING MIN - MAX	Btu 5100-11300 ea.	5100-11300 ea.	5100-13600 ea	5100-11300 ea.	5100-13600 ea	5100-11300 ea.	6100-19000 ea.	5100-13600 ea
SENSIBLE HEAT RATIO	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
CAPACITY HEATING @ 47°F	Btu 11200 ea.	11000 ea.	14000	10700	13600 ea.	9800 ea.	18400	12700 ea.
CAPACITY HEATING MIN - MAX	Btu 5100-13000 ea.	5100-13000 ea.	5100-15400 ea.	5100-13000 ea.	5100-15400 ea.	5100-13000 ea.	5500-23000 ea	5100-15400 ea.
CAPACITY HEATING @ 17°F	Btu 8300 ea.	7700 ea.	9800	7200	9200 ea.	6700 ea.	12500	8600 ea.
HSPF	9.0	9.0		9.0		9.0		9.0
SEER	15.0	15.0		15.0		15.0		15.0
EER	10.0	9.2		8.8		8.8		8.8
MOISTURE REMOVAL	Pts/h 2.9 ea.	2.9 ea.	3.7	2.9	3.7 ea.	2.9 ea.	5.7	3.7 ea.
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM 185,220,260,295	185,220,260,295	215,250,305,355	185,220,260,295	215,250,305,355	185,220,260,295	240,290,355,415	215,250,305,355
SOUND RATING - INDOOR	dB-A 27,29,33,37	27,29,33,37	30,34,39,42	27,29,33,37	30,34,39,42	27,29,33,37	33,39,42,46	30,34,39,42
SOUND RATING - OUTDOOR	dB-A 52	52		52		52		52
OPERATION RANGE (HEATING)	°F 0 - 115 (14 - 75)	0 - 115 (14 - 75)		0 - 115 (14 - 75)		0 - 115 (14 - 75)		0 - 115 (14 - 75)
EST. YEARLY OPERATING COST	\$216	\$254	\$254	\$296	\$296	\$320	\$320	\$318
ELECTRICAL DATA (ALL INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNIT; VALUES LISTED ARE TOTAL)								
POWER SOURCE	230/(208)-60-1	230/(208)-60-1		230/(208)-60-1		230/(208)-60-1		230/(208)-60-1
MIN. AMPACITY	A 22.5	22.5		22.5		22.5		22.5
COOLING WATTS	W 2710	3180		3710		4000		3980
MAX. TD FUSE/BREAKER	A 30	30		30		30		30
REFRIGERATION SYSTEM								
REFRIGERANT	R410A	R410A		R410A		R410A		R410A
COMPRESSOR TYPE	Inverter	Inverter		Inverter		Inverter		Inverter
CONNECTIONS	Flare	Flare		Flare		Flare		Flare
LIQUID LINE O.D.	in 1/4"	1/4"		1/4"		1/4"	1/4"	1/4"
SUCTION LINE O.D.	in 3/8"	3/8"		3/8"		3/8"	1/2"	3/8"
FACTORY PRECHARGE	ft 165'	165'		165'		165'		165'
MAX. LINE LENGTH	ft Each unit:82 Total:230	Each unit:82 Total:230		Each unit:82 Total:230		Each unit:82 Total:230		Each unit:82Total:230
MAX. HEIGHT DIFFERENCE	ft 49'	49'		49'		49'		49'
DIMENSIONS & WEIGHT								
INDOOR UNIT								
W X H X D	in 31 1/8" x 10 7/8" x 8 1/2" ea.	31 1/8" x 10 7/8" x 8 1/2" ea.		31 1/8" x 10 7/8" x 8 1/2"		31 1/8" x 10 7/8" x 8 1/2"		31 1/8" x 10 7/8" x 8 1/2"
NET WEIGHT	lbs 21 ea.	21 ea.	21	21	21 ea.	21 ea.	21	21 ea.
SHIPPING WEIGHT	lbs 26 ea.	26 ea.	26	26	26 ea.	26 ea.	26	26 ea.
OUTDOOR UNIT								
W X H X D	in 35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"		35 3/8" x 32 5/8" x 13"		35 3/8" x 32 5/8" x 13"		35 3/8" x 32 5/8" x 13"
NET WEIGHT	lbs 149	149		149		149		149
SHIPPING WEIGHT	lbs 167	167		167		167		167

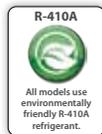
CEILING AND FLOOR INSTALLED HEAT PUMPS

PERFORMANCE RATINGS				
SYSTEM MODEL NO.		S24YF	S36YF	C24YF
INDOOR MODEL		MS24Y3F	MS36Y3F	MC24Y3F
OUTDOOR MODEL		MR24UY3F	MR36Y3F	MR24UY3F
CAPACITY COOLING	Btu	22200	34100	22200
CAPACITY COOLING MIN - MAX	Btu	5000-27300	8500-36000	5000-27300
SENSIBLE HEAT RATIO		0.62	0.67	0.64
CAPACITY HEATING @ 47°F	Btu	24,200	38,200	24,200
CAPACITY HEATING MIN - MAX	Btu	5000-29000	9200-42700	5000-29000
CAPACITY HEATING @ 17°F	Btu	20,100	27,100	20,100
HSPF		8.5	8.5	8.5
SEER		15	14	15
EER		9.8	8.1	10.6
MOISTURE REMOVAL	Pts/h	7.4	7.4	6.4
AIRFLOW (LOW, MED, HIGH)	CFM	371, 436, 518	842, 977, 1089	436, 536, 618
SOUND RATING - INDOOR	dB-A	38, 43, 47	41, 45, 48	38, 43, 45
SOUND RATING - OUTDOOR	dB-A	53	54	53
OPERATIONG RANGE (HEATING)	°F	0 - 115 (14 - 75)	0 - 115 (14 - 75)	0 - 115 (14 - 75)
EST. YEARLY OPERATING COST		\$180	\$337	\$168
ELECTRICAL DATA				
POWER SOURCE		230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	15.5	23	15.5
COOLING WATTS	W	2250	4220	2100
MAX. TD FUSE/BREAKER	A	20	30	20
REFRIGERATION SYSTEM				
REFRIGERANT		R410A	R410A	R410A
COMPRESSOR TYPE		Inverter (Twin Rotary)	Inverter (Twin Rotary)	Inverter (Twin Rotary)
CONNECTIONS		Flare	Flare	Flare
LIQUID LINE O.D.	in	3/8"	3/8"	3/8"
SUCTION LINE O.D.	in	5/8"	5/8"	5/8"
FACTORY PRECHARGE	ft	50'	50'	50'
MAX. LINE LENGTH	ft	165'	165'	165'
MAX. HEIGHT DIFFERENCE	ft	66'	98'	66'
DIMENSIONS & WEIGHT				
INDOOR UNIT				
W X H X D	in	39" x 7 7/8" x 25 3/4"	65 3/8" x 9 1/2" x 27 1/2"	32 5/8" x 9 5/8" x 32 5/8"
NET WEIGHT	lbs	62	106	75
SHIPPING WEIGHT	lbs	82	134	97
OUTDOOR UNIT				
W X H X D	in	35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"
NET WEIGHT	lbs	141	141	141
SHIPPING WEIGHT	lbs	154	154	154

NOTE: All models have low ambient capabilities built-in. Capacity is reduced as 0 degrees Fahrenheit is approached.

NOTE: All R410A models have 1/2" UNF 20 thread per inch charging and vacuuming ports. An adapter must be used for 1/4" gauges. Adapter part number 67270018 is available through Friedrich parts distributors.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.



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www.friedrich.com

ACCESSORIES

Wired wall mounted controller

WIRED CONTROLLER	USED WITH
DWC	18000 Btu and larger models and all Multi-Zone systems



Drain pump

DRAIN PUMP	USED WITH
DP-36	S36YF



Refrigeration line sets

USED WITH:	LENGTH-FT.	LIQUID	SUCTION	KIT#
All 9000 and 12000 Btu indoor units	15'	1/4"	3/8"	T32150
	35'	1/4"	3/8"	T32350
MW18C3F and MW18Y3FM indoor units	15'	1/4"	1/2"	T42150
	35'	1/4"	1/2"	T42350
MW24C3G indoor unit	15'	1/4"	5/8"	T52150
	35'	1/4"	5/8"	T52350
M18YH, M24YH, M30CG, M36CG, S24YF and C24YF systems	15'	3/8"	5/8"	T53150
	35'	3/8"	5/8"	T53350



Insulated line sets are available for all Friedrich split systems in 15 ft. and 35 ft. lengths. Each line set is equipped with flare nuts on both ends. Both liquid and suction lines are insulated. Line sets can be joined together with field supplied double female connectors. Each system requires one line set for each indoor unit installed. On multi-zone systems, line sets should be ordered based on individual indoor unit capacities not total system capacity. For example, a M18DYF uses 2 line sets for 9,000 Btu units, not 1 for the 18,000 Btu product.