

Ductless SPLIT SYSTEMS



2009
COOL ONLY | HEAT PUMPS

Friedrich

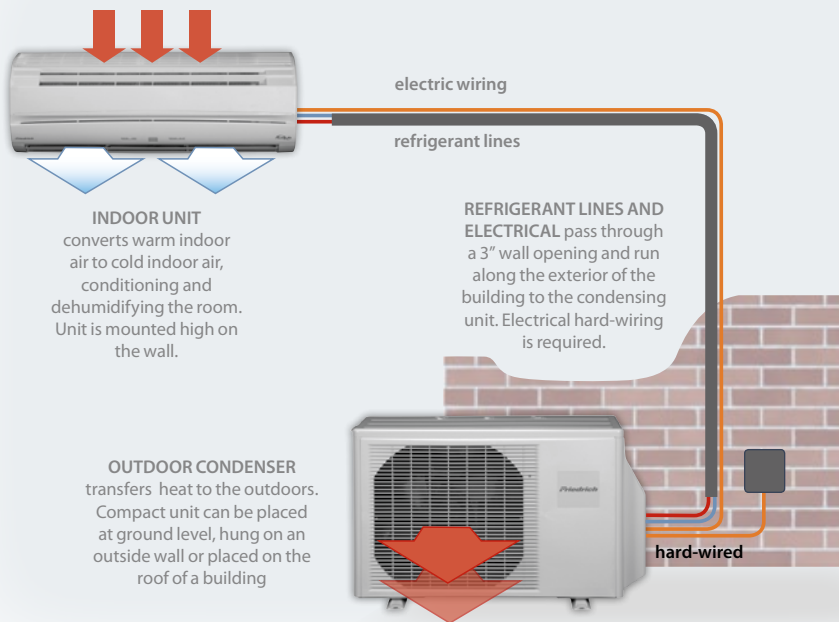


Friedrich Ductless Split Systems

The ultimate room air conditioner

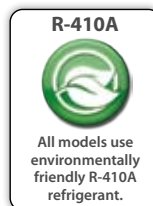
Easy to install. Exceptionally quiet. Totally flexible.

Like a central system, without the ductwork.



Ductless splits are an innovative and efficient alternative to window and thru-the-wall units. They have the benefits of a central system, without the difficulty and expense of installing ductwork. These are only a few of the benefits of ductless...

- Unobstructed window views.
- No need to uninstall and store unit during the winter.
- Independently-controlled zone cooling means up to four separate indoor units working from a single outdoor unit.
- Save money by turning off units in unoccupied rooms.
- Set room temperatures based on individual preferences
- Zero duct loss; no loss of performance from leaky ducts
- No dust, germs and allergens spread via ductwork



Easy to install

Friedrich ductless split systems have the advantages of a ducted installation without the high material and labor costs. Absolutely no ductwork is required, so most systems can be installed and running in a few hours.

SEER ratings up to 20.0

All Friedrich ductless models exceed the federal 13.0 SEER requirements. And, a full one-third of our models have super high ratings ranging from 16.5 to 20.0 SEER.

Extremely quiet

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

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.

No dirty air ducts

Ever wonder how much dirt and mold is in your ductwork? 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.



< Zone 1

Zone 2 >



Zone 3 >



Zone cooling flexibility

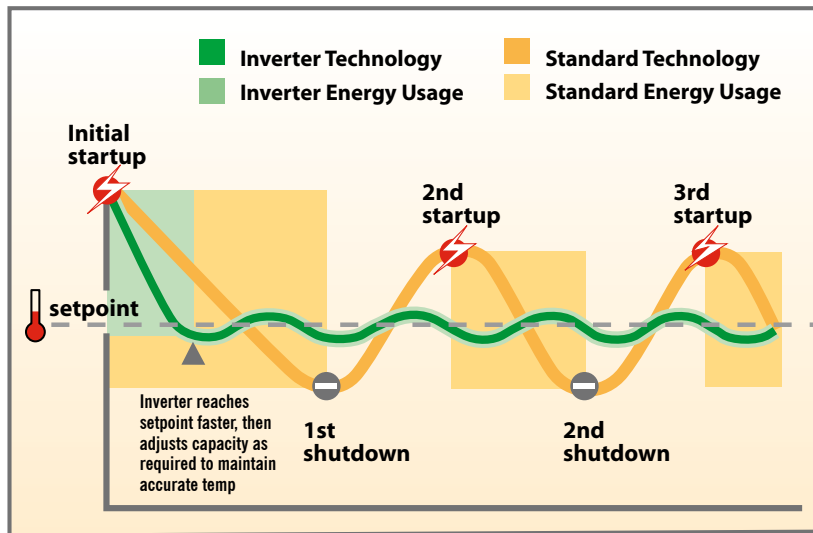
Independently condition up to 4 separate rooms using only a single outdoor unit. Reduce energy use and save money by cooling and heating only the rooms that are in use.

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/h system will operate even more efficiently as a 15,500 if that is all that's needed.

Advanced inverter technology

As illustrated in the chart below, Inverter Technology lets you reach the desired temperature faster, maintain it more accurately, and reduce energy costs. It eliminates constant compressor start-ups/shut-downs that traditional technology requires to maintain the set temperature.



Zone 4



Precise comfort from one system in up to four different rooms.

That's the beauty- and efficiency of a Friedrich Multi-zone system.



RESIDENTIAL APPLICATIONS

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

COMMERCIAL APPLICATIONS

- 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

Learn more about ductless visit www.friedrich.com to see our new online video on the advantages of Friedrich ductless split systems



Commercial applications including restaurant dining areas and kitchens

One wall-mounted indoor unit connected to one outdoor unit.

Features

- Auto swing louvers (up/down)
- Continuous 'Air Sweep'
- 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)

1



LCD wireless remote

- 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
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units



* Heat pump models only

Pictured: Single zone model MW24CF indoor unit. Multi-zone system M36QYF. Appearance varies by model.

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

Features

- Auto swing louvers (up/down)
- Continuous 'Air Sweep'
- 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

2

3

4



Fully featured and fully programmable for total convenience

Auto-shut flaps close when unit is off for a sleeker appearance.

The continuous 'Air Sweep' auto louvers gently distribute cool or warm air throughout the room.

Auto-changeover on heat pump models automatically switches the unit from cool to heat; or from heat to cool to maintain desired temperature.



C = cooling capacity
H = heating capacity

cool only

model	btu/h	seer
C M09CF	9700	14.3
C M12CF	12300	13.5
C M18CF	18000	19.0
C M24CF	24200	18.0
C M30CF	30700	15.0
C M36CF	33100	15.0

cool/ heat pump

model	btu/h	seer
C M09YG	8500	20.0
H M09YG	10000	20.0
C M12YG	11500	20.0
H M12YG	14000	20.0
C M18YF	18000	19.0
H M18YF	21600	19.0
C M24YF	24200	18.0
H M24YF	27600	18.0

multi-zone cool/heat pump

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

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

Features

- Auto swing louvers (up/down, left/right)
- Continuous 'Air Sweep'
- 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

LCD wireless remote

- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Three fan speeds heating or cooling: high/medium/low, plus auto-fan
- Four different transmitter codes
- Secured remote control holder
- Self-diagnostics



cool/ heat pump

S24YF 22,200 BTU/h 15.0 SEER
 24,200 BTU/h



Features

- 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

LCD wired remote

- Seven-day programmable on/off timer controls up to 16 units- individually or by zones
- Auto/cool/dry/fan/heat modes
- Self-diagnostics
- Three fan speeds heating or cooling: high/medium/low, plus auto-fan

cool/ heat pump

C24YF 22,200 BTU/h 15.0 SEER
 24,200 BTU/h

Ceiling suspended heat pump

Features

- Auto swing louvers (up/down, left/right)
- Continuous 'Air Sweep'
- Auto-restart after power interruptions
- Auto-shut flaps
- Washable, reusable air filters
- Fresh air capability
- Auto-changeover
- Low-ambient operation
- Optional DP-36 condensate pump



LCD wireless remote

- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Three fan speeds heating or cooling: high/medium/low, plus auto-fan

- Four different transmitter codes
- Secured remote control holder
- Self-diagnostics

cool/ heat pump

S36YF 34,100 BTU/h 14.0 SEER
 38,200 BTU/h



Wall mounted cooling

ⓘ Inverter model

PERFORMANCE RATINGS							
SYSTEM MODEL NO.		M09CF	M12CF	M18CF ⓘ	M24CF ⓘ	M30CF ⓘ	M36CF ⓘ
INDOOR MODEL		MW09C1F	MW12C1F	MW18C3F	MW24C3F	MW30C3F	MW36C3F
OUTDOOR MODEL		MR09C1F	MR12C1F	MR18C3F	MR24C3F	MR30C3F	MR36C3F
Capacity Cooling	BTU/h	9700	12300	18000	24200	30700	33100
Capacity Cooling Min - Max	BTU/h	9700	12300	5500-19000	5200-26000	9900-34200	9900-34100
Sensible Heat Ratio		0.67	0.65	0.63	0.76	0.67	0.67
SEER		14.3	13.5	19.0	18.0	15.0	15.0
EER		11.8	11.6	10.4	10.5	8.9	8.2
Moisture Removal	Pts/h	2.1	3.2	5.9	5.3	9.7	10.1
Airflow (Quiet, Low, Med, High)	CFM	185/220/260/295	215/250/305/355	240/290/355/415	380/450/560/650	380/450/560/650	365/440/530/700
Sound Rating - Indoor	dB-A	26/31/36/40	28/35/40/45	25/32/38/44	32/36/41/47	32/36/41/47	32/36/41/49
Sound Rating - Outdoor	dB-A	43	45	50	52	53	54
Operating Range	°F	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115	0 - 115
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	12	15	16	21	22	22
Cooling Watts	W	820	1060	1730	2310	3460	4040
Max. TD Fuse/Breaker	A	15	20	20	30	30	30
REFRIGERATION SYSTEM							
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Compressor Type		Rotary	Rotary	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	49	49	66	98	164	164
Max. Height Difference	ft	26	26	49	66	98	98
DIMENSIONS & WEIGHT							
INDOOR UNIT	W x H x D	in	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	39 1/4 x 12 5/8 x 9	39 1/4 x 12 5/8 x 9
	Net Weight	lbs	21	21	21	31	31
	Shipping Weight	lbs	26	26	26	40	40
OUTDOOR UNIT	W x H x D	in	31 1/8 x 21 1/4 x 11 3/8	31 1/8 x 21 1/4 x 11 3/8	31 1/8 x 22 3/4 x 12 3/8	31 1/8 x 22 3/4 x 12 3/8	35 3/8 x 32 5/8 x 13
	Net Weight	lbs	68	77	88	97	137
	Shipping Weight	lbs	77	86	98	106	155

Wall mounted heat pumps

PERFORMANCE RATINGS							
SYSTEM MODEL NO.		M09YG ⓘ	M12YG ⓘ	M18YF ⓘ	M24YF ⓘ		
INDOOR MODEL		MW09Y3G	MW12Y3G	MW18Y3F	MW24Y3F		
OUTDOOR MODEL		MR09Y3G	MR12Y3G	MR18Y3F	MR24Y3F		
Capacity Cooling	BTU/h	8500	11500	18000	24200		
Cooling Capacity Min - Max	BTU/h	1700-10900	3100-13300	5500-19000	5200-26000		
Sensible Heat Ratio		0.71	0.71	0.63	0.76		
Capacity Heating @ 47°F	BTU/h	10000	14000	21600	27600		
Capacity Heating Min - Max	BTU/h	1700-15000	3100-19100	4600-29000	4100-36200		
Capacity Heating @ 17°F	BTU/h	8500	11000	13700	17800		
HSPF		10.0	10.0	10.0	10.0		
SEER		20.0	20.0	19.0	18.0		
EER		12.3	12.1	10.4	10.5		
Moisture Removal	Pts/h	2.8	3.8	5.9	5.3		
Airflow (Quiet, Low, Med, High)	CFM	178/260/361/444	178/260/361/444	240/290/355/415	380/450/560/650		
Sound Rating - Indoor	dB-A	22/33/38/43	22/33/38/43	25/32/38/44	32/36/41/47		
Sound Rating - Outdoor	dB-A	46	49	50	52		
Operating Range COOL (HEAT)	°F	0 - 115 (17-75)	0 - 115 (17-75)	0 - 115 (5-75)	0 - 115 (5-75)		
ELECTRICAL DATA							
Power Source		230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1		
Min. Ampacity	A	15	15	16	21		
Cooling Watts	W	690	930	1730	2310		
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	1/4	1/4		
Suction Line O.D.	in	3/8	3/8	1/2	5/8		
Factory Precharge	ft	25	25	49	49		
Max. Line Length	ft	66	66	66	98		
Max. Height Difference	ft	49	49	49	66		
DIMENSIONS & WEIGHT							
INDOOR UNIT	W x H x D	in	31 1/8 x 10 1/4 x 7 5/8	31 1/8 x 10 1/4 x 7 5/8	31 1/8 x 10 7/8 x 8 1/2	39 1/4 x 12 5/8 x 9	
	Net Weight	lbs	16.5	16.5	21	31	
	Shipping Weight	lbs	21	21	26	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	31 1/8 x 22 3/4 x 12 3/8	31 1/8 x 22 3/4 x 12 3/8	
	Net Weight	lbs	55	71	88	97	
	Shipping Weight	lbs	63	78	98	106	

Dual-zone heat pumps

① inverter model

Quad-zone heat pumps

PERFORMANCE RATINGS						
SYSTEM MODEL NO.	M18DYF ①		M21DYF ①		M24DYF ①	
INDOOR MODEL	2 x MW09Y3FM		MW09Y3FM	MW12Y3FM	2 x MW12Y3FM	
OUTDOOR MODEL	MR24DY3F		MR24DY3F		MR24DY3F	
Capacity Cooling	BTU/h	9500 ea.	9500 ea.	12000	12000 ea.	
Capacity Cooling Min - Max	BTU/h	5100-11300	5100-11300	5100-13600	5100-13600	
Sensible Heat Ratio		0.77	0.77	0.77	0.77	
Capacity Heating @ 47°F	BTU/h	11000 ea.	11000 ea.	14000	14000 ea.	
Capacity Heating Min - Max	BTU/h	5100-13000 ea.	5100-13000 ea.	5100-15400 ea.	5100-15400 ea.	
Capacity Heating @ 17°F	BTU/h	9500 ea.	9500 ea.	11000	10500 ea.	
HSPF		9.0	9.0	9.0	9.0	
SEER		16.5	16.5	16.5	16.5	
EER		12.2	11.2	10.4	10.4	
Moisture Removal	Pts/h	2.9 ea.	2.9 ea	3.7 ea.	3.7 ea.	
Airflow (Quiet, Low, Med, High)	CFM	185/220/260/295	185/220/260/295	215/250/305/355	215/250/305/355	
Sound Rating - Indoor	dB-A	27/29/33/37	27/29/33/37	30/34/39/42	30/34/39/42	
Sound Rating - Outdoor	dB-A	52	52	52	52	
Operating Range COOL (HEAT)	°F	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	
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	15	
Cooling Watts	W	1600	1900	2300	2300	
Max. TD Fuse/Breaker	A	20	20	20	20	
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	
Suction Line O.D.	in	3/8	3/8	3/8	3/8	
Factory Precharge	ft	98	98	98	98	
Max. Line Length	ft	Each unit:82 Total:98	Each unit:82 Total:98	Each unit:82 Total:98	Each unit:82 Total:98	
Max. Height Difference	ft	33	33	33	33	
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.
	Shipping Weight	lbs	26 ea.	26	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
	Net Weight	lbs	151	151	151	159
	Shipping Weight	lbs	164	164	164	172

Tri-zone heat pumps

PERFORMANCE RATINGS										
SYSTEM MODEL NO.	M27TYF ①		M30TYF ①		M33TYF ①		M36TYF1 ①		M36TYF2 ①	
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/h	9200 ea.	9300 ea.	11800	9400	11800 ea.	9100 ea.	17000	11700 ea.	
Capacity Cooling Min - Max	BTU/h	5100-11300	5100-11300	5100-13600	5100-11300	5100-13600	5100-11300	5100-19000	5100-15400	
Sensible Heat Ratio		0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	
Capacity Heating @ 47°F	BTU/h	11200 ea.	11000 ea.	14000	10700	13600 ea.	9800 ea.	18400	12700 ea.	
Capacity Heating Min - Max	BTU/h	5100-13000	5100-13000	5100-15400	5100-13000	5100-15400	5100-13000	5500-23000	5100-15400	
Capacity Heating @ 17°F	BTU/h	8300 ea.	7700 ea.	9800	7200	9200 ea.	6700 ea.	12500	8600 ea.	
HSPF		9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	
SEER		15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	
EER		10.0	9.2	8.8	8.8	8.8	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	52	52	52	
Operating Range COOL (HEAT)	°F	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	0 - 115 (14-75)	
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	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	22.5	22.5	22.5	
Cooling Watts	W	2710	3180	3710	3710	4000	3980	3980	3980	
Max. TD Fuse/Breaker	A	30	30	30	30	30	30	30	30	
REFRIGERATION SYSTEM										
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Compressor Type		Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
Connections		Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	
Liquid Line O.D.	in	1/4	1/4	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	3/8	3/8	1/2	3/8	
Factory Precharge	ft	165	165	165	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:82 Total:230	Each unit:82 Total:230	Each unit:82 Total:230	Each unit:82 Total:230	
Max. Height Difference	ft	49	49	49	49	49	49	49	49	
DIMENSIONS & WEIGHT										
OUTDOOR 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	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	
	Shipping Weight	lbs	26 ea.	26 ea.	26	26	26 ea.	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	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	159	159	159	159	159	159	159	
	Shipping Weight	lbs	172	172	172	172	172	172	172	

Ceiling and Floor/ceiling universal heat pumps

🔌 inverter model

		floor/ceiling universal	ceiling suspended	ceiling cassette	
PERFORMANCE RATINGS					
SYSTEM MODEL NO.		S24YF 🔄	S36YF 🔄	C24YF 🔄	
INDOOR MODEL		MS24Y3F	MS36Y3F	MC24Y3F	
OUTDOOR MODEL		MR24UY3F	MR36Y3F	MR24UY3F	
Capacity Cooling	BTU/h	22200	34100	22200	
Capacity Cooling Min - Max	BTU/h	5000-27300	8500-36000	5000-27300	
Sensible Heat Ratio		0.62	0.67	0.64	
Capacity Heating @ 47°F	BTU/h	24200	36400	24200	
Capacity Heating Min - Max	BTU/h	5000-29000	9200-42700	5000-29000	
Capacity Heating @ 17°F	BTU/h	15000	23400	14600	
HSPF		8.5	8.5	8.5	
SEER		15.0	14.0	15.0	
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	
Operating Range COOL (HEAT)	°F	0 to 115 (14-75)	0 to 115 (14-75)	0 to 115 (14-75)	
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

Refrigeration line sets

USED WITH:	LENGTH-FT.	LIQUID	SUCTION	KIT#
All 9000 and 12000 BTU/h Indoor Units	15	1/4"	3/8"	T32150
	35	1/4"	3/8"	T32350
All 18000 BTU/h Indoor Units	15	1/4"	1/2"	T42150
	35	1/4"	1/2"	T42350
All MW24Y3F and MW24C3F Units	15	1/4"	5/8"	T52150
	35	1/4"	5/8"	T52350
All 30000 BTU/h Indoor Units and S24YF, S36YF and C24YF Units	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.

DRAIN PUMP	USED WITH
DP-36	S36YF

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.

