

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

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

Cool multiple rooms or use for backup systems in remote areas. Each indoor unit has its own remote control and is independently controlled for optimum zone cooling flexibility.

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

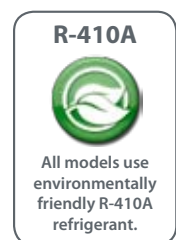


Wireless Remote

- 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

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



Dual-zone heat pumps

① inverter model

Quad-zone heat pumps

PERFORMANCE RATINGS									
SYSTEM MODEL NO.		M18DYF ①		M21DYF ①		M24DYF ①		M36QYF ①	
INDOOR MODEL		2 x MW09Y3FM		MW09Y3FM		MW12Y3FM		2 x MW12Y3FM	
OUTDOOR MODEL		MR24DY3F		MR24DY3F		MR24DY3F		MR36TQY3F	
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		8.8	
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	
Cooling Watts		W		1600		1900		2300	
Max. TD Fuse/Breaker		A		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	
Suction Line O.D.		in		3/8		3/8		3/8	
Factory Precharge		ft		98		98		98	
Max. Line Length		ft		Each unit:82 Total:98		Each unit:82 Total:98		Each unit:82 Total:98	
Max. Height Difference		ft		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.	
Net Weight		lbs		21 ea.		21		21 ea.	
Shipping Weight		lbs		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	
Net Weight		lbs		151		151		151	
Shipping Weight		lbs		164		164		164	

Tri-zone heat pumps

PERFORMANCE RATINGS											
SYSTEM MODEL NO.		M27YF ①		M30TYF ①		M33TYF ①		M36TYF1 ①		M36TYF2 ①	
INDOOR MODEL		3 x MW09Y3FM		2 x MW09Y3FM		MW12Y3FM		MW09Y3FM		2 x MW12Y3FM	
OUTDOOR MODEL		MR36TQY3F		MR36TQY3F		MR36TQY3F		MR36TQY3F		MR36TQY3F	
Capacity Cooling	BTU/h	9200 ea.		9300 ea.		11800		9400		11800 ea.	
Capacity Cooling Min - Max	BTU/h	5100-11300		5100-11300		5100-13600		5100-11300		5100-13600	
Sensible Heat Ratio		0.71		0.71		0.71		0.71		0.71	
Capacity Heating @ 47°F	BTU/h	11200 ea.		11000 ea.		14000		10700		13600 ea.	
Capacity Heating Min - Max	BTU/h	5100-13000		5100-13000		5100-15400		5100-13000		5100-15400	
Capacity Heating @ 17°F	BTU/h	8300 ea.		7700 ea.		9800		7200		9200 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.	
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	
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	
Sound Rating - Outdoor	dB-A	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)	
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	
Cooling Watts		W		2710		3180		3710		4000	
Max. TD Fuse/Breaker		A		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	
Suction Line O.D.		in		3/8		3/8		3/8		1/2	
Factory Precharge		ft		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	
Max. Height Difference		ft		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	
Net Weight		lbs		21 ea.		21 ea.		21		21 ea.	
Shipping Weight		lbs		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	
Net Weight		lbs		159		159		159		159	
Shipping Weight		lbs		172		172		172		172	