

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

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

### Wall-mounted single zone

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)

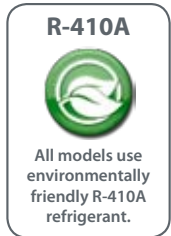
#### Wireless Remote

- 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



Appearance varies by model.



#### 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 H M09YG	8500 10000	20.0
C H M12YG	11500 14000	20.0
C H M18YF	18000 21600	19.0
C H M24YF	24200 27600	18.0

## 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	