

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

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

### 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



### All Inverter line



### Specifications

PERFORMANCE RATINGS		PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY	PRELIMINARY
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
OPERATING RANGE	°F	0-115	0-115	14- 115	14 - 115	14 - 115	14 - 115
EST. YEARLY OPERATING COST		\$51	\$71	\$138	\$192	\$258	\$310
<b>ELECTRICAL DATA</b>							
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	—	—	16	14	22	22
COOLING WATTS	W	643	889	1730	2400	3240	3880
MAX. TD FUSE/BREAKER	A	25*	25*	20	20	30	30
<b>REFRIGERATION SYSTEM</b>							
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'
<b>DIMENSIONS &amp; WEIGHT</b>							
<b>INDOOR UNIT</b>							
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
<b>OUTDOOR UNIT</b>							
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

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.

\*Recommended circuit breaker size 20A.

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

### 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 indoor unit	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
M30CG, M36CG	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.