

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, long-life air filters
- Removable front grille
- Auto-changeover
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units



All Inverter line



Specifications

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
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



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.


Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$.1065 per kWh. For more information, visit www.ftc.gov/energy.

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



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.

WIRED CONTROLLER	USED WITH
DWC 	18000, 24000, 30000 & 36000 Btu wall-mounted models, including all Multi-zone.

