

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

- Inverter technology (variable speed compressor)
- High efficiency for low operating cost
- DiamonGold Advanced Corrosion Protection™
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Surge Cool/Heat
- Natural air flow
- 4-Way auto swing
- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Built-in low ambient standard, down to 14°F (Cooling Mode)
- 24-hour on-off timer
- Built-in kick stand



All Inverter line



# SPECIFICATIONS

PERFORMANCE RATINGS		Multi Zone Wall Mounted		
		9k	12k	18k
INDOOR MODEL		MW09Y3J	MW12Y3J	MW18Y3J
SPECIFICATIONS				
CAPACITY COOLING (RATED)	Btu	9,000	11,200	17,000
CAPACITY HEATING (RATED)	Btu	10,800	13,300	20,200
MOISTURE REMOVAL	Pts/h	2.6	3.0	5.3
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	124/212/272/335	124/212/272/335	300/399/509/622
SOUND RATING - INDOOR	dB-A	19 / 24 / 33 / 38	19 / 24 / 33 / 39	29 / 35 / 40 / 45
ELECTRICAL DATA				
POWER SOURCE	V, Ø, Hz	230/208-60-1	230/208-60-1	230/208-60-1
REFRIGERATION SYSTEM				
CONNECTIONS		Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8	1/2
DIMENSIONS & WEIGHT				
W X H X D	in	35-1/4 x 11-1/4 x 8-1/4	35-1/4 x 11-1/4 x 8-1/4	40-5/8 x 12-7/8 x 9-5/8
NET WEIGHT	lbs	23	23	31
SHIPPING WEIGHT	lbs	27	27	35


PERFORMANCE RATINGS		Multi Outdoor	
		24k	36k
OUTDOOR MODEL		MR24DY3JM	MR36TQY3JM
SPECIFICATIONS			
POWER SOURCE		208/230/60/1	208/230/60/1
EST. YEARLY OPERATING COST	\$	122-125	170-245
RUNNING CURRENT COOLING MIN.~RATED~MAX.	A	2.8~6.6~14.0	3.3~11.8~17.0
RUNNING CURRENT HEATING MIN.~RATED~MAX.	A	3.0~10.2~14.1	4.9~15.5~17.8
POWER INPUT COOLING MIN.~RATED~MAX.	W	390~1430~3090	770~2720~3920
POWER INPUT HEATING MIN.~RATED~MAX.	W	420~2210~3100	1120~3580~4100
POWER AND COMMUNICATION CABLE	No. x AWG	4 X 18	4 X 18
DIMENSIONS W X H X D	inch	34-1/4 x 31-7/8 x 12-5/8	35-7/16 x 45-7/8 x 14-5/8
NET WEIGHT	lbs	130	209
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
FACTORY PRECHARGE	ft	74	98
REFRIGERANT CHARGE	oz	74	124
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8
MAX. LINE LENGTH	ft	246.1	246.1
MAX. HEIGHT DIFFERENCE	ft	49.2	49.2
SOUND PRESSURE LEVEL COOLING	A	51	57
SOUND PRESSURE LEVEL HEATING	A	51	57
OPERATING RANGE COOLING MIN. ~ MAX.	°F DB	14.0 ~ 114.8	14.0 ~ 114.8
OPERATING RANGE HEATING MIN. ~ MAX.	°F WB	5.0 ~ 64.4	5.0 ~ 64.4
MINIMUM AMPACITY	A	15	17
MAX. TD FUSE/BREAKER	A	25	25

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$ .115 per kWh. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy). 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#
9000 and 12000	15'	1/4"	3/8"	T32150
BTU indoor units	35'	1/4"	3/8"	T32350
18000 BTU indoor units	15'	1/4"	1/2"	T42150
	35'	1/4"	1/2"	T42350
24000,30000 and 36000	15'	3/8"	5/8"	T53150
BTU indoor units	35'	3/8"	5/8"	T53350

## Thermostat

WIRED CONTROLLER	USED WITH
DWC1	All models.
	



\*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 male 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.