

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)
- Internal condensate pump included
- Natural air flow
- 4-Way cooling
- Surge Cool/Heat
- Cooling mode
- Dehumidifying mode
- Night Quiet Operation
- Built-in low ambient standard, down to 14°F (Cooling mode)
- Fan mode
- Independent vane control
- 5 Fan speeds
- Evaporator frost control
- 24-hour on-off timer
- Auto restart
- Temperature display on remote
- Ultra-quiet turbo fan
- DiamonGold Advanced Corrosion Protection™
- Clean, modern look
- Flexible installation
- Precise air distribution



All Inverter line



# SPECIFICATIONS

PERFORMANCE RATINGS		Multi Zone Cassette	
		12K	18K
INDOOR MODEL		MC12Y3JM	MC18Y3JM
SPECIFICATIONS			
CAPACITY COOLING (RATED)	Btu	12,000	18,000
MOISTURE REMOVAL	Pts/h	4.2	4.2
AIRFLOW ( LOW, MED, HIGH)	CFM	247 / 283 / 335	388 / 424 / 459
SOUND RATING - INDOOR	dB-A	32/35/38	34/37/38
ELECTRICAL DATA			
POWER SOURCE	V, Ø, Hz	208/230, 1, 60	208/230, 1, 60
POWER AND COMMUNICATION CABLE	No. x AWG	4C x 18	4C x 18
REFRIGERATION SYSTEM			
CONNECTIONS		Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	1/2
DIMENSIONS & WEIGHT			
W X H X D	in	22-7/16 x 8-7/16 x 22-7/16	22-7/16 x 10-3/32 x 22-7/16
NET WEIGHT	lbs	31	33
SHIPPING WEIGHT	lbs	36	42
INDOOR UNIT GRILLE* W X H X D	in	27-9/16 x 7/8 x 27-9/16	27-9/16 x 7/8 x 27-9/16
INDOOR UNIT GRILLE* NET WEIGHT	lbs	7	7

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 BTU indoor units	15'	1/4"	3/8"	T32150
	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 BTU indoor units	15'	3/8"	5/8"	T53150
	35'	3/8"	5/8"	T53350

## Thermostat

WIRED CONTROLLER	USED WITH
DWC1	All models.



## Ceiling Cassette Grilles

DECORATIVE GRILLE	USED WITH
DCG1218	MC12Y3JM, MC18Y3JM 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.