

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™
- Auto dry indoor coil
- Surge Cool/Heat
- Natural air flow
- Ultra quiet operation
- Sleep mode
- Auto restart
- Auto changeover
- BLDC Motor
- Low ambient operation down to 14°F
(Cooling Mode)
- 24-hour on-off timer
- ENERGY STAR® qualified model
- Hidden display (only visible during operation)
- Multiple ease of installation features (see p.10)



All Inverter line



SPECIFICATIONS

PERFORMANCE RATINGS		Single Wall Mounted - H/P Inv (High SEER)
		12k
SYSTEM MODEL NO.		HM12YJ
INDOOR MODEL		MWH12Y3J
OUTDOOR MODEL		MRH12Y3J
SPECIFICATIONS		
CAPACITY COOLING (RATED)	Btu	12,000
CAPACITY COOLING (MIN~MAX)	Btu	3070~14660
CAPACITY HEATING@47°F (RATED)	Btu	13,600
CAPACITY HEATING (MIN~MAX)	Btu	3070~20470
COOLING AMPS		3.8
HEATING AMPS		4.3
SENSIBLE HEAT RATIO		.84
SEER		25.0
EER		14.0
HSPF		11.0
ENERGY STAR		Yes (Most Efficient)
MOISTURE REMOVAL	Pts/h	1.7
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	177 / 283 / 417 / 494
SOUND RATING - INDOOR	dB-A	42 / 36 / 25 / 17
SOUND RATING - OUTDOOR	dB-A	51
OPERATING RANGE (COOLING)	°F	14~118
OPERATING RANGE (HEATING)	°F	14~75
EST. YEARLY OPERATING COST	\$	77
ELECTRICAL DATA		
POWER SOURCE	V	208/230/60/1
MINIMUM AMPACITY	A	10
COOLING WATTS	W	857
HEATING WATTS	W	960
MAX. TD FUSE/BREAKER	A	15
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 18
REFRIGERATION SYSTEM		
REFRIGERANT		R410A
COMPRESSOR TYPE		Twin Rotary
CONNECTIONS		Flare
LIQUID LINE O.D.	in	1/4
SUCTION LINE O.D.	in	3/8
FACTORY PRECHARGE	ft	25
REFRIGERANT CHARGE	oz	44
MIN./MAX. LINE LENGTH	ft	10~49
MAX. HEIGHT DIFFERENCE	ft	23
DIMENSIONS & WEIGHT		
INDOOR UNIT		
W X H X D	in	34-7/16 x 11-5/8 x 9-1/4
NET WEIGHT	lbs	25
SHIPPING WEIGHT	lbs	29
OUTDOOR UNIT		
W X H X D	in	34-5/16 x 25-7/8 x 12-5/8
NET WEIGHT	lbs	95
SHIPPING WEIGHT	lbs	100
TOTAL NET WEIGHT	lbs	119
TOTAL SHIPPING WEIGHT	lbs	128

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. 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.



Low ambient wind baffle kit

WIND BAFFLE	USED WITH
DLAWB1	9000 - 12000 Btu wall-mounted single zone models
DLAWB2	18000 - 36000 Btu wall-mounted single zone 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.