FRIEDRICH

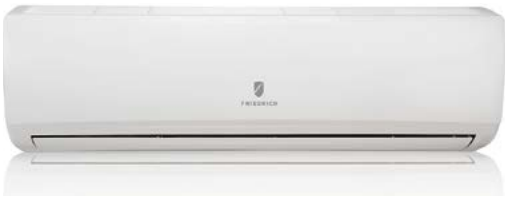
Ductless Split Systems
Wall-mounted, Single Zone Heat Pump

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

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

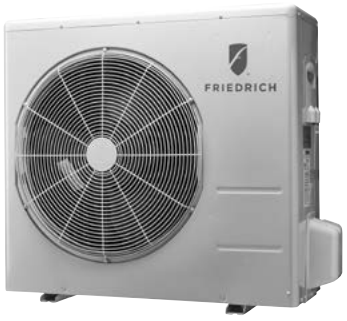
Features

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



All Inverter line

INVERTER



SPECIFICATIONS

PERFORMANCE RATINGS		Single Wall Mounted - H/P Inv		
		9k	12k	18k
SYSTEM MODEL NO.		M09YJ	M12YJ	M18YJ
		22XR47	22XR49	22XR51
INDOOR MODEL		MW09Y3J	MW12Y3J	MW18Y3J
OUTDOOR MODEL		MR09Y3J	MR12Y3J	MR18Y3J
SPECIFICATIONS				
CAPACITY COOLING (RATED)	Btu	9,000	11,200	17,000
CAPACITY COOLING (MIN~MAX)	Btu	3,070~12,620	3,070~14,660	3,070~20,470
CAPACITY HEATING (RATED)	Btu	10,800	13,300	20,200
CAPACITY HEATING (MIN~MAX)	Btu	3,070~17,060	3,070~20,470	3,070~30,700
COOLING AMPS		3	4.2	7
HEATING AMPS		3.7	4.9	7.8
SENSIBLE HEAT RATIO		.88	.81	.78
SEER		21.5	21.5	18.0
EER		13.3	12.5	12.0
HSPF		11.0	11.0	9.7
ENERGY STAR		YES(Most Efficient)	YES(Most Efficient)	YES
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
SOUND RATING - OUTDOOR	dB-A	45	45	53
OPERATING RANGE (COOLING)(WIND BAFFLE)	°F	14.0(0)~118.4	14.0(0)~118.4	14.0(0)~118.4
OPERATING RANGE (HEATING)	°F	-4.0~75.2	-4.0~75.2	-4.0~75.2
EST. YEARLY OPERATING COST	$	61	81	127
ELECTRICAL DATA				
POWER SOURCE		230/208	230/208	230/208
MINIMUM AMPACITY	A	10	10	19
COOLING WATTS	W	677	896	1416
MAX. TD FUSE/BREAKER	A	15	15	20
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 18	4 x 18	4 x 18
REFRIGERATION SYSTEM				
REFRIGERANT		R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter
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
FACTORY PRECHARGE	ft	35.3	35.3	47.6
MAX. LINE LENGTH	ft	66'	66'	66'
MAX. HEIGHT DIFFERENCE	ft	33'	33'	33'
DIMENSIONS & WEIGHT				
INDOOR UNIT				
W X H X D	in	35-1/4 x11-1/4 x8-1/4	35-1/4 x11-1/4 x8-1/4	40-5/8 x 12-7/8 x 9-5/8
NET WEIGHT	lbs	23	23	31
SHIPPING WEIGHT	lbs	27	27	36
OUTDOOR UNIT				
W X H X D	in	30-5/16x21-5/16x11-5/16	30-5/16x21-5/16x11-5/16	34-5/16x25-7/8x12-5/8
NET WEIGHT	lbs	75	75	108
SHIPPING WEIGHT	lbs	79	79	115
TOTAL NET WEIGHT	lbs	98	98	139
TOTAL SHIPPING WEIGHT	lbs	107	107	150

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	15'	1/4"	3/8"	T32150
BTU indoor units	35'	1/4"	3/8"	T32350
	15'	1/4"	1/2"	T42150
18000 BTU indoor units	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.

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.