

Ductless Split Systems

Wall-mounted, Single-zone Cool Only

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
- 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
- Multiple ease of installation features



All Inverter line



SPECIFICATIONS

PERFORMANCE RATINGS		Single Wall Mounted - Cool Inv			
		9k	12k	18k	24k
SYSTEM MODEL NO.		M09CJ	M12CJ	M18CJ	M24CJ
INDOOR MODEL		MW09C1J	MW12C1J	MW18C3J	MW24C3J
OUTDOOR MODEL		MR09C1J	MR12C1J	MR18C3J	MR24C3J
SPECIFICATIONS					
CAPACITY COOLING (RATED)	Btu	9,000	11,200	17,000	22,000
CAPACITY COOLING (MIN-MAX)	Btu	3,070-12,120	3,070-13,660	3,070-20,470	3,070-26,270
CAPACITY HEATING (RATED)	Btu	N/A	N/A	N/A	N/A
CAPACITY HEATING (MIN-MAX)	Btu	N/A	N/A	N/A	N/A
COOLING AMPS		6	8.4	7	8.7
HEATING AMPS		N/A	N/A	N/A	N/A
SENSIBLE HEAT RATIO		.89	.83	.79	.81
SEER		21.5	21.5	18.0	20.0
EER		13.3	12.5	12.0	10.8
HSPF		N/A	N/A	N/A	N/A
ENERGY STAR		YES	YES	YES	No
MOISTURE REMOVAL	Pts/h	2.6	3.0	5.3	6.0
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	124/212/272/335	124/212/272/335	300/399/509/622	300/424/629/742
SOUND RATING - INDOOR	dB-A	19 / 24 / 33 / 38	19 / 24 / 33 / 39	29 / 35 / 40 / 45	29 / 35 / 40 / 46
SOUND RATING - OUTDOOR	dB-A	45	45	53	54
OPERATING RANGE (COOLING)(WIND BAFFLE)	°F	14.0(0)-118.4	14.0(0)-118.4	14.0(0)-118.4	14.0(0)-118.4
OPERATING RANGE (HEATING)	°F	N/A	N/A	N/A	N/A
EST. YEARLY OPERATING COST	\$	61	81	127	183
ELECTRICAL DATA					
POWER SOURCE	V	115/60/1	115/60/1	208/230/60/1	208/230/60/1
MINIMUM AMPACITY	A	12	12	19	19
COOLING WATTS	W	677	896	1416	2037
MAX. TD FUSE/BREAKER	A	20	20	25	25
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18
REFRIGERATION SYSTEM					
REFRIGERANT		R410A	R410A	R410A	R410A
CONNECTIONS		Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4	1/4	3/8
SUCTION LINE O.D.	in	3/8	3/8	1/2	5/8
FACTORY PRECHARGE	ft	41	41	25	25
REFRIGERANT CHARGE	oz	36	36	48	64
MAX. LINE LENGTH	ft	66'	66'	66'	98'
MAX. HEIGHT DIFFERENCE	ft	33'	33'	33'	49'
DIMENSIONS & WEIGHT					
INDOOR UNIT					
W X H X D	in	35-1/4x 11-1/4x 8-5/16	35-1/4x 11-1/4x 8-5/16	40-5/8x 12-7/8x 9-5/8	40-5/8x 12-7/8x 9-5/8
NET WEIGHT	lbs	23	23	31	32
SHIPPING WEIGHT	lbs	27	27	35	37
OUTDOOR UNIT					
W X H X D	in	30-5/16x 21-5/16x 11-5/16	30-5/16x 21-5/16x 11-5/16	34-5/16x 25-7/8x 12-5/8	34-5/16 x 31-1/2 x 12-5/8
NET WEIGHT	lbs	75	75	108	122
SHIPPING WEIGHT	lbs	79	79	115	130
TOTAL NET WEIGHT	lbs	97	97	139	154
TOTAL SHIPPING WEIGHT	lbs	106	106	150	167

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.