FRIEDRICH

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/Fan Mode
- Surge cool
- Natural air flow
- 4-Way auto swing
- Ultra quiet operation
- Sleep mode
- Dry mode
- Auto restart
- Built-in low ambient standard, down to 14ºF (Cooling Mode)
- 24-hour on/off timer
- Built-in kick stand
- Multiple ease of installation features
- BLDC Motor



MW18C3J, MW24C3J



MW09C1J, MW12C1J



WIRELESS
REMOTE CONTROL

All Inverter line

PRECISION INVERTER™

5 YR. PARTS WARRANTY

7 YR. COMPRESSOR WARRANTY



MR09C1J, MR12C1J



MR18C3J



MR24C3J

PERFORMANCE RATINGS		Single Zone Wall-Mounted - Cool Only			
		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		.72	.73	.72	.72
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	2.3	3.0	4.2	5.5
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	124/212/272/335	124/212/272/335	300/371/441/512	300/389/512/680
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 WIND BAFFLE)	°F	14(0)~118	14(0)~118	14(0)~118	14(0)~118
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 14	4 x 14	4 x 14	4 x 14
REFRIGERATION SYSTEM					
REFRIGERANT		R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter	Inverter
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
MIN./MAX. LINE LENGTH	ft	7~66	7~66	10~66	10~98
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		40-5/8x 12-7/8x 9-5/8	40-5/8x 12-7/8x 9-5/8
NET WEIGHT	lbs	23	23	32	33
SHIPPING WEIGHT	lbs	27	27	40	41
OUTDOOR UNIT					
W X H X D	in	30-5/16x 21-5/16x 11-5/16		34-5/16x25-7/8x12-5/8	34-5/16 x31-1/2 x12-5/8
NET WEIGHT	lbs	78	78	97	122
SHIPPING WEIGHT	lbs	79	79	101	130
TOTAL NET WEIGHT	lbs	101	101	129	155
TOTAL SHIPPING WEIGHT	lbs	106	106	169	196

SPECIFICATIONS

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.

*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.

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
DWC1



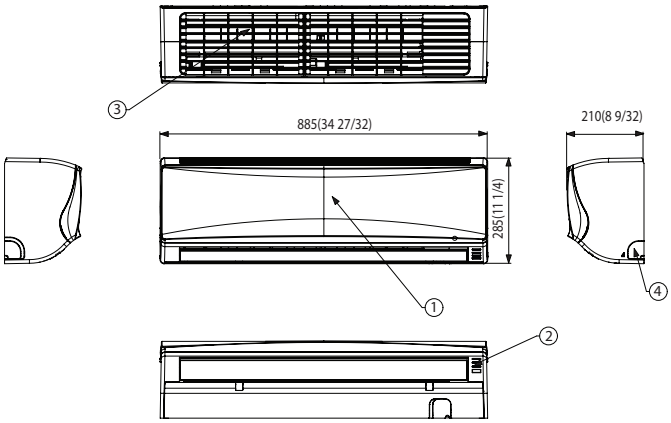
* Used with all models

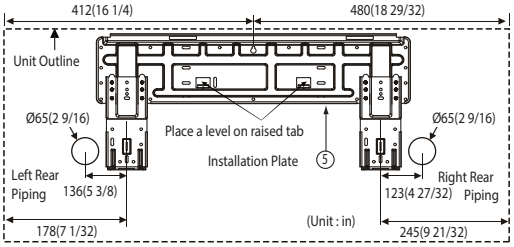
Low ambient wind baffle kit

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

DIMENSIONAL DRAWINGS

INDOOR UNITS / MW09C1J, MW12C1J





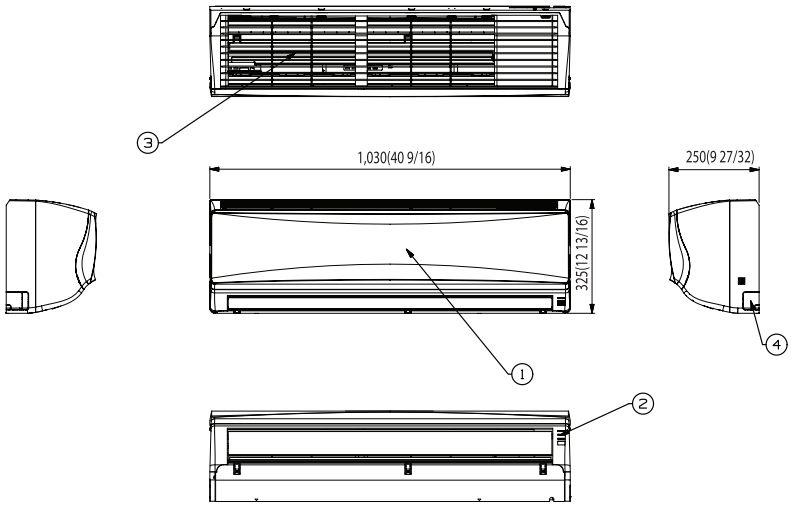
Unit: inch (mm)

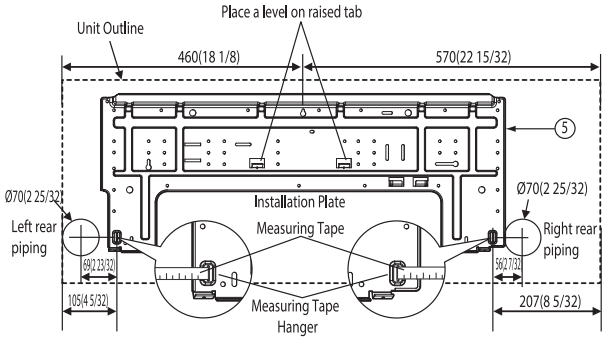
Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Knockout Hole	For pipe and cable
5	Installation Plate	

Note

1. The unit should be installed according to installation manual which is in the product box.
2. The Unit is powered from the outdoor unit. So power cable should be connected with outdoor unit.

OUTDOOR UNITS / MW18C3J, MW24C3J





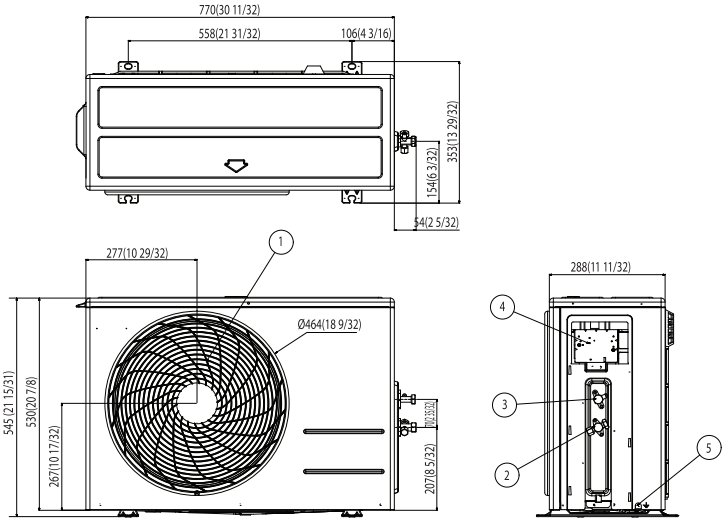
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OUTDOOR UNITS / MR09C1J, MR12C1J



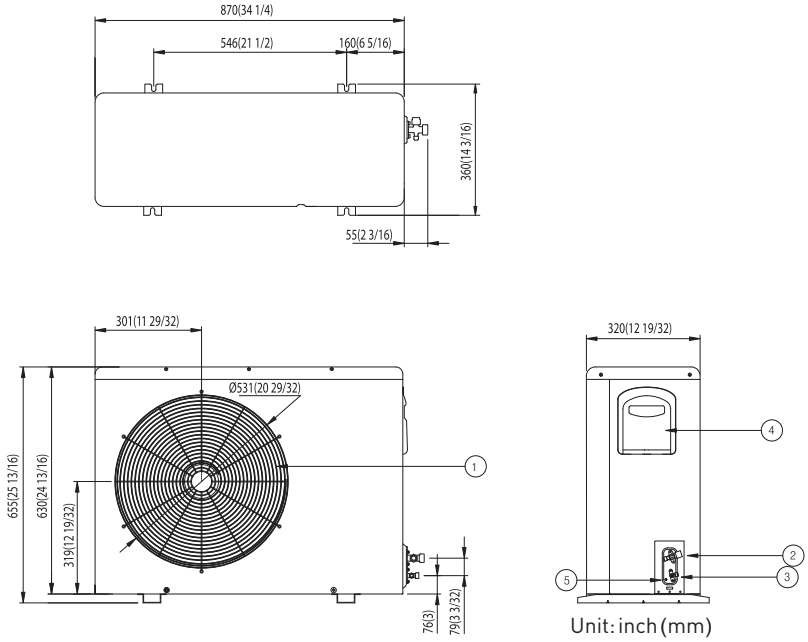
Unit: inch (mm)

Item No.	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Note

1. The unit is not allowed to be installed in a closed area.
2. In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

OUTDOOR UNITS / MR18C3J

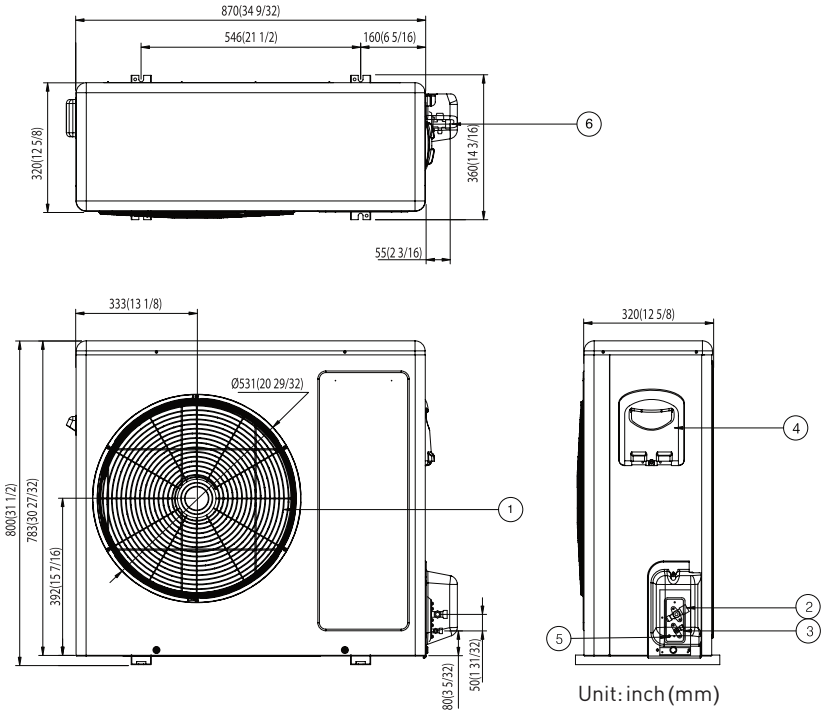


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Unit: inch (mm)

Item No.	Part Name	Remark
1	Air discharge grille	
2	Gas pipe connection	
3	Liquid pipe connection	
4	Power & Transmission connection	
5	Earth screw	
6	SVC valve cover	

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