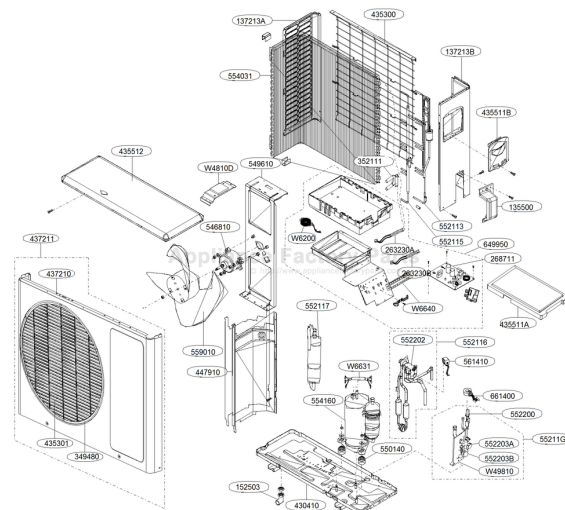


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# FRIEDRICH MR30Y3J Owner's Manual

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MR30Y3J](#)



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----- Manual continues below -----

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™
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Surge Cool/Heat
- Natural air flow
- 4-Way auto swing
- Ultra quiet operation
- Sleep mode
- Dry mode
- Auto restart
- Auto changeover
- Built-in low ambient standard, down to 14°F (Cooling Mode)
- 24-hour on/off timer
- Multiple ease of installation features
- BLDC Motor



MW24Y3J, MW30Y3J, MW36Y3J



WIRELESS  
REMOTE CONTROL



MR24Y3J, MR30Y3J, MR36Y3J

All Inverter line



PERFORMANCE RATINGS		Single Zone Wall-Mounted - Heat Pump		
		24k	30k	36k
SYSTEM MODEL NO.		M24YJ	M30YJ	M36YJ
INDOOR MODEL		MW24Y3J	MW30Y3J	MW36Y3J
OUTDOOR MODEL		MR24Y3J	MR30Y3J	MR36Y3J
SPECIFICATIONS				
CAPACITY COOLING (RATED)	Btu	22,000	30,000	33,000
CAPACITY COOLING (MIN-MAX)	Btu	3,070-30,030	3,070-34,000	3,070-34,000
CAPACITY HEATING @ 47° F (RATED)	Btu	27,600	32,000	35,200
CAPACITY HEATING @ 17° F (RATED)	Btu	17,900	21,200	23,200
CAPACITY HEATING (MIN-MAX)	Btu	3,070-38,898	3,070-38,900	3,070-38,900
COOLING AMPS		7.9	13.4	17.0
HEATING AMPS		10.7	13.9	16.2
SENSIBLE HEAT RATIO		.72	.78	.78
SEER		21.0	18.5	16.5
EER		12.5	10.0	8.2
HSPF		11.0	10.0	10.0
ENERGY STAR		YES	No	No
MOISTURE REMOVAL	Pts/h	5.5	6.0	6.5
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	300/389/512/600	459/530/706/848	459/530/706/848
SOUND RATING - INDOOR	dB-A	33 / 39 / 43 / 46	33 / 39 / 44 / 49	37 / 40 / 44 / 49
SOUND RATING - OUTDOOR	dB-A	54	55	55
OPERATING RANGE (COOLING)(WIND BAFFLE)	°F	14(0)-118	14(0)-118	14(0)-118
OPERATING RANGE (HEATING)	°F	-4-75	-4-75	-4-75
EST. YEARLY OPERATING COST	\$	158	270	395
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14	4 x 14	4 x 14
ELECTRICAL DATA				
POWER SOURCE	V	208/230/60/1	208/230/60/1	230/208/60/1
MINIMUM AMPACITY	A	19	19	19
COOLING WATTS	W	1760	3000	4024
MAX. TD FUSE/BREAKER	A	25	25	25
REFRIGERATION SYSTEM				
REFRIGERANT		R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter
CONNECTIONS		Flare	Flare	Flare
LIQUID LINE O.D.	in	3/8	3/8	3/8
SUCTION LINE O.D.	in	5/8	5/8	5/8
FACTORY PRECHARGE	ft	25	25	25
REFRIGERANT CHARGE	oz	78	78	78
MIN./MAX. LINE LENGTH	ft	10-164	10-164	10-164
MAX. HEIGHT DIFFERENCE	ft	98	98	98
DIMENSIONS & WEIGHT				
INDOOR UNIT				
W X H X D	in	46-7/8 x 13-5/8 x 10-3/8	46-7/8 x 13-5/8 x 10-3/8	46-7/8 x 13-5/8 x 10-3/8
NET WEIGHT	lbs	40	40	40
SHIPPING WEIGHT	lbs	46	46	46
OUTDOOR UNIT				
W X H X D	in	34-5/16 x 31-1/2 x 12-5/8	34-5/16 x 31-1/2 x 12-5/8	34-5/16 x 31-1/2 x 12-5/8
NET WEIGHT	lbs	125	125	125
SHIPPING WEIGHT	lbs	132	132	132
TOTAL NET WEIGHT	lbs	165	165	165
TOTAL SHIPPING WEIGHT	lbs	178	178	178

## SPECIFICATIONS

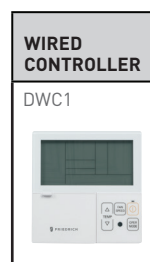
Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of \$.115 per kWh. For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

**\*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
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



\* Used with all models.

### Low ambient wind baffle kit

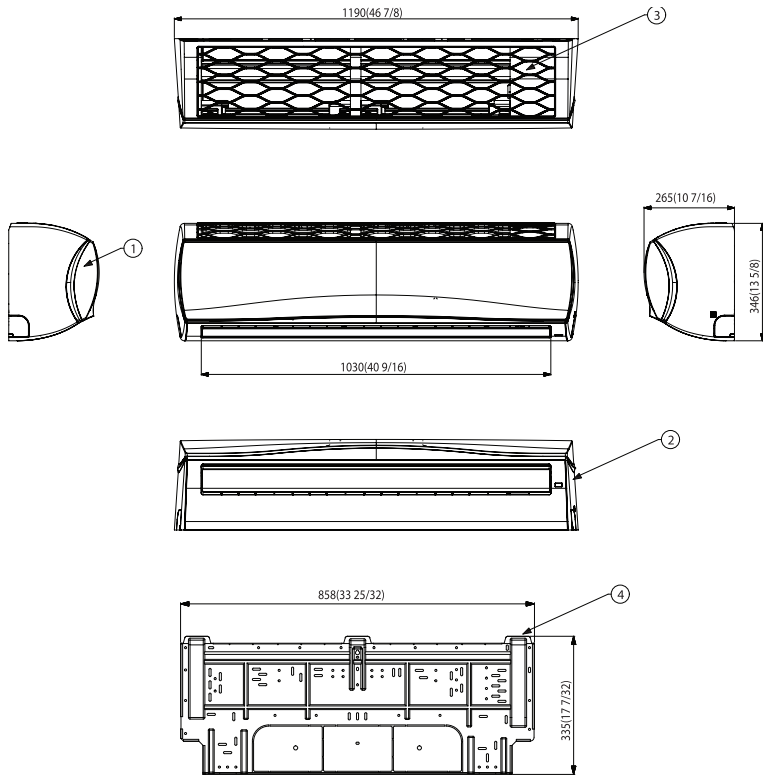
WIND BAFFLE	USED WITH
DRAWB1	9000 - 12000 Btu wall-mounted single zone models
DRAWB2	18000 - 36000 Btu wall-mounted single zone models



Ductless\_Wall-mounted\_Single\_Zone\_Heat\_Pump\_Submittal\_2016

# DIMENSIONAL DRAWINGS

## INDOOR UNITS / MW24Y3J, MW30Y3J, MW36Y3J

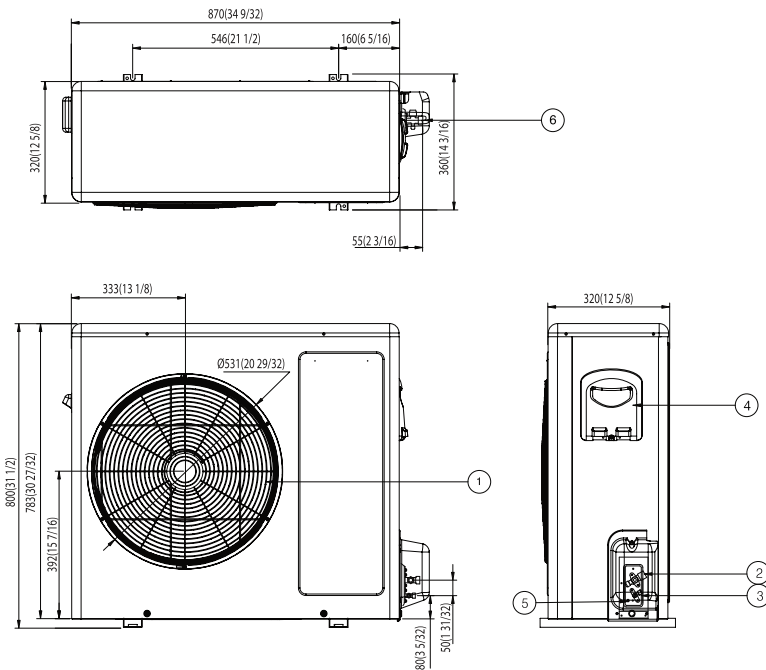


Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Installation Plate	

### 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 the power cable should be connected with the outdoor unit.

## OUTDOOR UNITS / MR24Y3J, MR30Y3J, MR36Y3J



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	

### 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.