FRIEDRICH

Ductless Split Systems
Ceiling and Floor Installed Heat Pumps

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

- LCD remote for each indoor unit
- 24-hour timer and sleep timer
- Auto/cool/dry/fan/heat modes
- Four fan speeds heating or cooling: high/medium/low/quiet, plus auto-fan
- Continuous 'Air Sweep' UP/DOWN
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, reusable air filters
- Removable front grille
- Auto-changeover (heat pump models)
- Secured remote control holder
- Four different transmitter codes to prevent unintentional interference with nearby units

S24YF

C24YF

All Inverter line

INVERTER TECHNOLOGY

S36YF

Specifications

PERFORMANCE RATINGS				
SYSTEM MODEL NO.		S24YF	S36YF	C24YF
INDOOR MODEL		MS24Y3F	MS36Y3F	MC24Y3F
OUTDOOR MODEL		MR24UY3F	MR36Y3F	MR24UY3F
CAPACITY COOLING	Btu	22200	34100	22200
CAPACITY COOLING MIN - MAX	Btu	5000-27300	8500-36000	5000-27300
SENSIBLE HEAT RATIO		0.62	0.67	0.64
CAPACITY HEATING @ 47°F	Btu	24,200	38,200	24,200
CAPACITY HEATING MIN - MAX	Btu	5000-29000	9200-42700	5000-29000
CAPACITY HEATING @ 17°F	Btu	20,100	27,100	20,100
HSPF		8.5	8.5	8.5
SEER		15	14	15
EER		9.8	8.1	10.6
MOISTURE REMOVAL	Pts/h	7.4	7.4	6.4
AIRFLOW (LOW, MED, HIGH)	CFM	371, 436, 518	842, 977, 1089	436, 536, 618
SOUND RATING - INDOOR	dB-A	38, 43, 47	41, 45, 48	38, 43, 45
SOUND RATING - OUTDOOR	dB-A	53	54	53
OPERATIONG RANGE (HEATING)	°F	0 - 115 (14 - 75)	0 - 115 (14 - 75)	0 - 115 (14 - 75)
EST. YEARLY OPERATING COST		$180	$337	$168
ELECTRICAL DATA				
POWER SOURCE		230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	15.5	23	15.5
COOLING WATTS	W	2250	4220	2100
MAX. TD FUSE/BREAKER	A	20	30	20
REFRIGERATION SYSTEM				
REFRIGERANT		R410A	R410A	R410A
COMPRESSOR TYPE		Inverter (Twin Rotary)	Inverter (Twin Rotary)	Inverter (Twin Rotary)
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	50'	50'	50'
MAX. LINE LENGTH	ft	165'	165'	165'
MAX. HEIGHT DIFFERENCE	ft	66'	98'	66'
DIMENSIONS & WEIGHT				
INDOOR UNIT				
W X H X D	in	39" x 7 7/8" x 25 3/4"	65 3/8" x 9 1/2" x 27 1/2"	32 5/8" x 9 5/8" x 32 5/8"
NET WEIGHT	lbs	62	106	75
SHIPPING WEIGHT	lbs	82	134	97
OUTDOOR UNIT				
W X H X D	in	35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"	35 3/8" x 32 5/8" x 13"
NET WEIGHT	lbs	141	141	141
SHIPPING WEIGHT	lbs	154	154	154

NOTE: All models have low ambient capabilities built-in. Capacity is reduced as 0 degrees Fahrenheit is approached.

NOTE: All R410A models have 1/2″ UNF 20 thread per inch charging and vacuuming ports. An adapter must be used for 1/4″ gauges. Adapter part number 67270018 is available through Friedrich parts distributors.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

Your operating costs will depend on your utility rates and use. The estimated operating cost is based on a electricity cost of $ .1065 per kWh. For more information, visit www.ftc.gov/energy.

Refrigeration line sets

USED WITH:	LENGTH-FT.	LIQUID	SUCTION	KIT#
S24YF, S36YF and C24YF systems	15'	3/8"	5/8"	T53150
	35'	3/8"	5/8"	T53350

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 female 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. For example, a M18DYF uses 2 line sets for 9,000 Btu units, not 1 for the 18,000 Btu product.

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