

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



M27TYF, M30TYF,
M36TYF

All Inverter line



M33TYF

Specifications

PERFORMANCE RATINGS										
SYSTEM MODEL NO.		M27TYF	M30TYF		M33TYF		M36TYF1		M36TYF2	
INDOOR MODEL		3 x MW09Y3FM	2 x MW09Y3FM	MW12Y3FM	MW09Y3FM	2 x MW12Y3FM	2 x MW09Y3FM	MW18Y3FM	3 x MW12Y3FM	
OUTDOOR MODEL		MR36TQY3F	MR36TQY3F		MR36TQY3F		MR36TQY3F		MR36TQY3F	
CAPACITY COOLING		Btu	9200 ea.	9300 ea.	11800	9400	11800 ea.	9100 ea.	17000	11700 ea.
CAPACITY COOLING MIN - MAX		Btu	5100-11300 ea.	5100-11300 ea.	5100-13600 ea	5100-11300 ea.	5100-13600 ea	5100-11300 ea.	6100-19000 ea.	5100-13600 ea
SENSIBLE HEAT RATIO			0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
CAPACITY HEATING @ 47°F		Btu	11200 ea.	11000 ea.	14000	10700	13600 ea.	9800 ea.	18400	12700 ea.
CAPACITY HEATING MIN - MAX		Btu	5100-13000 ea.	5100-13000 ea.	5100-15400 ea.	5100-13000 ea.	5100-15400 ea.	5100-13000 ea.	5500-23000 ea	5100-15400 ea.
CAPACITY HEATING @ 17°F		Btu	8300 ea.	7700 ea.	9800	7200	9200 ea.	6700 ea.	12500	8600 ea.
HSPF			9.0	9.0		9.0		9.0		9.0
SEER			15.0	15.0		15.0		15.0		15.0
EER			10.0	9.2		8.8		8.8		8.8
MOISTURE REMOVAL		Pts/h	2.9 ea.	2.9 ea.	3.7	2.9	3.7 ea.	2.9 ea.	5.7	3.7 ea.
AIRFLOW (QUIET, LOW, MED, HIGH)		CFM	185,220,260,295	185,220,260,295	215,250,305,355	185,220,260,295	215,250,305,355	185,220,260,295	240,290,355,415	215,250,305,355
SOUND RATING - INDOOR		dB-A	27,29,33,37	27,29,33,37	30,34,39,42	27,29,33,37	30,34,39,42	27,29,33,37	33,39,42,46	30,34,39,42
SOUND RATING - OUTDOOR		dB-A	52	52		52		52		52
OPERATIONG RANGE (HEATING)		°F	0 - 115 (14 - 75)	0 - 115 (14 - 75)		0 - 115 (14 - 75)		0 - 115 (14 - 75)		0 - 115 (14 - 75)
EST. YEARLY OPERATING COST			\$216	\$254	\$254	\$296	\$296	\$320	\$320	\$318
ELECTRICAL DATA (ALL INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNIT; VALUES LISTED ARE TOTAL)										
POWER SOURCE			230/(208)-60-1	230/(208)-60-1		230/(208)-60-1		230/(208)-60-1		230/(208)-60-1
MIN. AMPACITY		A	22.5	22.5		22.5		22.5		22.5
COOLING WATTS		W	2710	3180		3710		4000		3980
MAX. TD FUSE/BREAKER		A	30	30		30		30		30
REFRIGERATION SYSTEM										
REFRIGERANT			R410A	R410A		R410A		R410A		R410A
COMPRESSOR TYPE			Inverter	Inverter		Inverter		Inverter		Inverter
CONNECTIONS			Flare	Flare		Flare		Flare		Flare
LIQUID LINE O.D.		in	1/4"	1/4"		1/4"		1/4"	1/4"	1/4"
SUCTION LINE O.D.		in	3/8"	3/8"		3/8"		3/8"	1/2"	3/8"
FACTORY PRECHARGE		ft	165'	165'		165'		165'		165'
MAX. LINE LENGTH		ft	Each unit:82 Total:230	Each unit:82 Total:230		Each unit:82 Total:230		Each unit:82 Total:230		Each unit:82Total:230
MAX. HEIGHT DIFFERENCE		ft	49'	49'		49'		49'		49'
DIMENSIONS & WEIGHT										
INDOOR UNIT										
W X H X D		in	31 1/8" x 10 7/8" x 8 1/2" ea.	31 1/8" x 10 7/8" x 8 1/2" ea.		31 1/8" x 10 7/8" x 8 1/2"		31 1/8" x 10 7/8" x 8 1/2"		31 1/8" x 10 7/8" x 8 1/2"
NET WEIGHT		lbs	21 ea.	21 ea.	21	21	21 ea.	21 ea.	21	21 ea.
SHIPPING WEIGHT		lbs	26 ea.	26 ea.	26	26	26 ea.	26 ea.	26	26 ea.
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"		35 3/8" x 32 5/8" x 13"		35 3/8" x 32 5/8" x 13"
NET WEIGHT		lbs	149	149		149		149		149
SHIPPING WEIGHT		lbs	167	167		167		167		167

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#
All 9000 and 12000 Btu indoor units	15'	1/4"	3/8"	T32150
	35'	1/4"	3/8"	T32350
MW18Y3FM indoor units	15'	1/4"	1/2"	T42150
	35'	1/4"	1/2"	T42350



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.

