

PURCHASER	P.O. #	DATE
PROJECT	LOCATION	
ENGINEER	ARCHITECT	
SUBMITTED BY	FOR APPROVAL	FOR REFERENCE

ITEM	PLAN DESIGNATION	QUANTITY	COOLING BTU/H	VOLTAGE	FRIEDRICH MODEL

### Comfort & Convenience

- 24-hour timer
- 4 cooling and 4 fan-only speeds on select models
- Automatic fan speed adjustment
- Comfortwatch technology samples the air to more accurately maintain the set temperature
- 8-way air flow control
- Temperature readout can display set temperature and room temperature
- Optional wired wall thermostat\*
- Scratch resistant cabinet
- LCD panel auto dims if not in use
- LCD settings lockout option (ON/OFF)
- Sealed control panel for protection from dust, moisture and contaminants
- Control module is separate from touch controls for better protection from the elements, abusive handling or accidental damage and to minimize repair costs
- Premium remote control allows user to activate schedule, adjust temperature, adjust fan speed or select auto-fan; can also switch from cool to heat and heat to cool (Kühl+ models)

### Sound Reduction Technology

- Steel inner wall and extra dense insulation materials block outdoor noise
- Vibration isolating design and components diminish traditional operating sound levels
- Precision engineering maximizes air flow while delivering ultra quiet operation

### Maintenance & Installation

- Check filter reminder and error code storage
- Same sleeve dimensions for 30+ years for easy replacement
- Slideout chassis for more permanent installation and easier access for maintenance
- Installs in a window or in-wall
- Includes heavy-duty window installation hardware (optional accessory on Kühl+ models)
- Rugged hardboard side panels or (heavy duty side curtains on SQ and EQ models) for a more permanent installation
- Power cord can run left or right
- Defrost control protects coil against freeze up
- Firm grip handles for easier chassis installation and removal

### Energy Management & Compliance

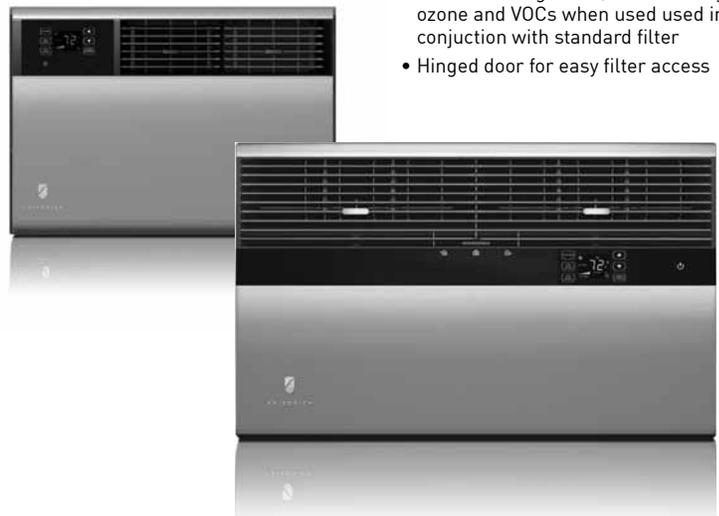
- Optional FriedrichLink™ Wi-Fi control including multi-unit control options
- 2 ready-to-go 7-day energy management programs
- Autofan mode saves money by conserving energy
- 16 Energy Star® qualified models, including all four heat pumps
- 24V low voltage interface for wall thermostat and energy management control
- Environmentally-friendly R-410A refrigerant used in all models
- Recyclable packaging
- RoHS compliant

### Safety & Security

- EntryGard™ anti-intrusion protection - secures chassis to the sleeve with a steel retaining wire to deter 'kick-in' intrusion
- Power cord current leakage protected
- Aluminum outside grille
- Insect barrier

### Health & IAQ

- Superior fresh air intake and stale air exhaust vent
- Washable, antimicrobial air filter
- Optional premium carbon filter provides superior air filtration with ratings as high as MERV 6, while also adsorbing odors, and reducing ozone and VOCs when used in conjunction with standard filter
- Hinged door for easy filter access



\*Wired thermostat option not available on Kühl SQ and EQ models.

\*\*Nut driver not required for Kühl SQ and EQ models.

# Specifications

MODEL	Cooling Btu	Heating Btu	Volts Rated	Cooling Amps	Cooling Watts	Heating Amps	Heating Watts	Energy Efficiency Ratio EER	Estimated Yearly Operating Cost	COP	Moisture Removal-Pints/HR	CFM	Sleeve	Net Wt.	Ship Wt.
Kühl®															
★ SQ05N10	5500	-	115	4.5	514	-	-	10.7	\$41	-	0.5	190	Q	65	78
★ SQ06N10	5900	-	115	4.9	561	-	-	10.7	\$45	-	0.5	190	Q	71	84
★ SQ08N10	7500	-	115	6.1	700	-	-	10.7	\$56	-	1.2	240	Q	71	84
★ SQ10N10	9500	-	115	8.4	969	-	-	9.8	\$77	-	2.1	240	Q	75	88
★ SS08N10	7800	-	115	6.1	677	-	-	11.7	\$54	-	1.0	265	S	99	121
★ SS10N10	9500	-	115	7.7	848	-	-	11.2	\$68	-	2.0	260	S	106	136
★ SS12N10	12000	-	115	10.0	1071	-	-	11.2	\$86	-	3.0	300	S	112	136
★ SS14N10	14000	-	115	12.0	1444	-	-	9.7	\$115	-	3.5	325	S	116	133
★ SS12N30	11500/11200	-	230/208	4.8/4.9	1055/1027	-	-	11.4/11.4	\$84	-	2.8	275	S	112	134
★ SS15N30	14500/14300	-	230/208	6.4/6.8	1480/1459	-	-	9.8/9.8	\$112	-	3.5	360	S	116	136
★ SM15N10	14800	-	115	12.0	1358	-	-	10.9	\$109	-	3.5	360	M	141	154
★ SM18N30	17500/17200	-	230/208	7.4/8.0	1635/1607	-	-	10.7/10.7	\$131	-	4.6	350	M	140	158
★ SM21N30	20800/20700	-	230/208	9.4/10.3	2080/2070	-	-	10.0/10.0	\$177	-	6.0	425	M	132	153
★ SM24N30	23500/23300	-	230/208	11.2/11.9	2500/2479	-	-	9.4/9.4	\$200	-	10.0	390	M	152	167
★ SL28N30	27800/27000	-	230/208	13.5/14.4	2926/2872	-	-	9.7/9.6	\$229	-	8.5	600	L	193	214
★ SL36N30	36000/35700	-	230/208	19.0/20.5	4235/4200	-	-	8.5/8.5	\$338	-	12.0	725	L	212	227
Kühl® + Heat Pump															
★ YS10N10*	9500	7500	115	7.8	812	7.6	743	11.7	\$65	3.0	1.9	285	S	109	131
★ YS12N33	12100/12100	9400/9000	230/208	5.2/5.4	1120/1120	5.6/5.8	1132/1139	10.8/10.8	\$89	2.4/2.3	3.0	265	S	115	136
★ YM18N34	18200/17800	15500/15400	230/208	8.5/8.9	1838/1798	8.5/8.7	1833/1761	9.9/9.9	\$147	2.5/2.6	5.4	370	M	141	152
★ YL24N35	24000/23600	23500/23200	230/208	11.1/12.0	2474/2433	12.2/14.3	2610/2575	9.7/9.7	\$198	2.6/2.6	7.0	600	L	197	212
Kühl® + Electric Heat															
★ EQ08N11	7500	4000	115	6.9	765	11.2	1290	9.8	\$61	-	1.9	175	Q	72	84
★ ES12N33	11500/11200	10700/8900	230/208	4.8/4.9	1055/1027	16.0/14.7	3500/2900	11.4/11.4	\$84	-	2.8	275	S	113	128
★ ES15N33	14500/14300	10700/8900	230/208	6.4/6.8	1480/1459	16.0/14.7	3500/2900	9.8/9.8	\$112	-	3.5	360	S	117	133
★ EM18N34	17500/17200	13000/10600	230/208	7.4/8.0	1635/1617	19.5/17.0	4200/3500	10.7/10.7	\$131	-	4.6	350	M	141	158
★ EM24N34	23500/23300	13000/10600	230/208	11.2/11.9	2500/2479	19.5/17.0	4200/3500	9.4/9.4	\$200	-	10.0	390	M	153	166
★ EL36N35	36000/35700	17300/14300	230/208	19.0/20.5	4235/4200	24.0/22.4	5500/4650	8.5/8.5	\$338	-	12.0	725	L	213	225

\* Operates on 115 volt and is not equipped with supplemental heat. Will not provide heat at temperatures below 40°F. Friedrich room air conditioners are designed to operate in outdoor temperatures from 60° F to 115° F.

Kühl+ Heat Pump heating information indicates heat pump performance. Kühl+ and Chill+ Electric Heat heating information indicates electric heat strip performance. For Kühl+ Heat Pump electric heating performance refer to corresponding Kühl+ Electric Heat model.

As an ENERGY STAR® partner, Friedrich Air Conditioning Co. has determined that the selected ENERGY STAR® models meet the ENERGY STAR® guidelines for energy efficiency.

The consumer- through the AHAM Room Air Conditioner Certification Program- can be certain that the AHAM Certification Seal accurately states the unit's cooling and heating capacity rating, the amperes and the energy efficiency ratio.

Estimated yearly operating cost based on a 2007 national average electricity cost of 10.65 cents per kWh.

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

# Installation

Sleeve	Height INCHES	Width INCHES	Depth with Front Louvers INCHES <b>A</b>	Shell Depth to Louvers INCHES <b>B</b>	Minimum Extension Into Room* INCHES	Minimum Extension Outside * INCHES	Window Width INCHES		In-wall Installation Finished Hole INCHES		
							Minimum**	Maximum	Height	Width	Max. Depth <b>C</b>
Q	14"	19 3/4"	21 3/8"	8 1/2"	5 1/2"	10 3/4"	22"	42"	14 1/4"	20"	8 1/2"
S	15 15/16"	25 15/16"	29"	8 3/4"	5 3/4"	16 15/16"	27 3/8"	42"	16 3/16"	26 3/16"	7 3/8"
M	17 15/16"	25 15/16"	29"	8 3/4"	5 3/4"	16 15/16"	27 3/8"	42"	18 3/16"	26 3/16"	7 3/8"
L	20 3/16"	28"	35 1/2"	16 1/2"	5 3/8"	18 15/16"	29 7/8"	42"	20 3/8"	28 1/4"	15 1/8"

\* Minimum extensions when mounted in a window.

\*\* Minimum widths achieved using one side curtain assembly as opposed to both in a standard installation.

NOTE: S, M and L sleeves may be installed in window with no side kits if properly installed.

Model	Circuit Rating Breaker or T-D Fuse	Plug Face (NEMA#)	Power Cord Length (ft.)	Wall Outlet Appearance
All SQ MODELS. EQ08N11. SS08N10, SS10N10, SS12N10 and SSN14N10. YS10N10.	125V - 15A	5 - 15P	6	
SS12N30, SS15N30, SM18N30 and SM21N30.	250V - 15A	6 - 15P	4	
SM24N30 and SL28N30. ES12N33 and ES15N33. YS12N33.	250V - 20A	6 - 20P	4	
SL36N30. EM18N34, EM24N34 and EL36N35. YM18N34 and YL24N35.	250V - 30A	6 - 30P	4	

