



TAG:

SUBMITTAL

3 Ton Inverter Split System Heat Pump



Product Specifications

OUTDOOR UNIT	ESCA16H-36
Voltage-Phase-Hz	208/230-1-60
Minimum Circuit Ampacity	41
Max. Over-current Protection	50
Cooling(Standard conditions)(BTU/h)	36000
Heating(Standard conditions)(BTU/h)	40000
Heating(5°F)(BTU/h)	34400
COMPRESSOR	Variable rotary
RLA	32
Drive Method	Inverter
Noise-cancelling Jacket	Factory installed
OUTDOOR FAN Qty	2
Condenser Fan Motor Type	Brushless DC Motor
Motor input(W)	126
Motor output(W)	85
Motor Speed RPM	850/750/650
CFM (MAX)	4500
Motor RLA (A)	1.2
Noise level [dB(A)]	64
OUTDOOR COIL TYPE	Copper tube with aluminum fins
Heating Metering Device	EEV
Cooling Metering Device (Indoor side)	EEV
Factory Supplied Refrigerant Charge (R-410A, oz)	Data on nameplate
Liquid Line Size (in. O.D.)	3/8
Suction Line Size (in. O.D.)	3/4
Dimensions (W X H X D)	37.5 × 52.5 × 16.3
Net Weight (LBS)	227
Shipping Weight (LBS)	255.7
Max. Line Length (FT)	213.25
Max. Elevation Difference (FT)	98.4

Mechanical Specifications

Communication Method

Non-Communicating Inverter condensing units which are compatible with most 24Vac controlled thermostats and R-410A indoor units (TXV required).

2-wire communicated wiring could be realized with EAHAEC AHU

General

The ESCA16H-36 is fully charged up to 25ft line set from the factory. This unit is designed to operate at outdoor ambient temperatures as high as 122°F in cooling mode, and as low as -22°F in heating mode. Cooling/Heating capacities are matched with air handler that are AHRI certified. The units are certified to UL.

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor inverter drive, electronic expansion valve and reversing valve.

Rotary Compressor

Flexible capacity output from 28%-130%.

Compressor is equipped with Noise-cancelling Jacket.

Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer.

