



TAG:

# SUBMITTAL

## 5 Ton Inverter Split System Heat Pump



### Product Specifications

OUTDOOR UNIT	ESCA16H-60
Voltage-Phase-Hz	208/230-1-60
Minimum Circuit Ampacity	42
Max. Over-current Protection	60
Cooling(Standard conditions)(BTU/h)	55000
Heating(Standard conditions)(BTU/h)	59000
Heating(5°F)(BTU/h)	48500
COMPRESSOR	Variable rotary
RLA	26.2
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)]	63.5
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.)	7/8
Dimensions (W X H X D)	37.5 × 52.5 × 16.3
Net Weight (LBS)	240
Shipping Weight (LBS)	271.6
Max. Line Length (FT)	213.25
Max. Elevation Difference (FT)	98.4

# Mechanical Specifications

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## 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-60 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.

