

# SUBMITTAL



## Product Specifications

<b>OUTDOOR UNIT</b>	COH16S-36AAA
Voltage-Phase-Hz	208/230-1-60
Minimum Circuit Ampacity	24.4
Max. Over-current Protection	40
<b>COMPRESSOR</b>	Variable rotary
RLA	17.5
LRA	45
Drive Method	Inverter
Noise-cancelling Jacket	Factory installed
Crankcase Heater	Internal heating
<b>OUTDOOR FAN</b>	Propeller
Condenser Fan Motor Type	Brushless DC Motor
Horse Power (HP)	1/3
Motor Speed RPM	930
FLA	2.5
<b>OUTDOOR COIL TYPE</b>	Copper tube with hydrophilic aluminum fins
Rows	2
Tube Size (in.)	9/32
Heating Metering Device	EEV
Cooling Metering Device (Indoor side)	TXV
<b>Factory Supplied Refrigerant charge (R-410A, oz)</b>	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)	29-1/8 × 24-15/16 × 29-1/8
Net Weight (LBS)	150
Shipping Weight (LBS)	179
Max. Line Length (FT)	100
Max. Elevation Difference (FT)	50



## Up to 3 Ton Variable Speed Split Heat Pump System

### Sound pressure level (dB)

COH16S-36AAA	2Ton *	3Ton
Standard	63	66
Silent mode	59	63
Super silent mode	56	60

\* Refer to the installation manual for capacity selection.

# Mechanical Specifications

## Communication Method

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

## General

The COH16S-36AAA 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 -3 °F in heating mode. Cooling/Heating capacities are matched with air handler that are AHRI certified. The units are certified to ETL.

## Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather resistant powder paint on all grilles, panels.

## Refrigerant Controls

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

## Rotary Compressor

Flexible capacity output from 25%-110%.  
Compressor is equipped with sound blanket.

## Condenser Coil

The outdoor coil provides low airflow resistance and efficient heat transfer.  
The coil is protected on all four sides by grille panels.

