



**Model: TYA9457ZES**

## Product Description

**Compressor Type:** Reciprocating

**Application:** CBP - Commercial Back Pressure

**Refrigerant:** R-404A

**Voltage/Frequency:** 220V ~ 60Hz

**Version:** TY Series

# Specifications

## General

**Evaporating Temp. Range** :-17.8°C to 10°C (0°F to 50°F)

**Motor Torque:** High Start Torque (HST)

**Compressor Cooling:** Fan

## Mechanical

**Weight:** 17 KG

**Displacement (cc):** 19

**Oil Type:** Polyolester

**Viscosity (cSt):** 32

**Oil Charge (cc):** 525.3

## Electrical

**Locked Rotor Amps (LRA):** 37.5

**Rated Load Amps (RLA 60Hz):** 8.6

**Voltage Range (60Hz):** 187-242

**Rated Load Amps (RLA 50Hz):** 0

**Max. Continuous Current (MCC in Amps):** 0

**Motor Resistance (Ohm) - Main:** 1.62

**Motor Resistance (Ohm) - Start:** 13.87

**Motor Type:** CSIR

## Performance

[See all performance data](#)

### ASHRAE

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	5780
(R) Refrigeration Capacity (Kcal/h)	1457
(R) Refrigeration Capacity (W)	1694
Input Power (W)W	1215
(E) Efficiency (BTU/Wh)	4.76
(E) Efficiency (Kcal/Wh)	1.2
(E) Efficiency (W/W)	1.39
EVAP TEMP	-6.7°C (20°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	35°C (95°F)
LIQUID TEMP	46°C (115°F)

### ASHRAE (R-404A)

Test Voltage	220V ~ 60HZ
(R) Refrigeration Capacity (BTU/h)	10650
(R) Refrigeration Capacity (Kcal/h)	2684
(R) Refrigeration Capacity (W)	3122
Input Power (W)W	1540
(E) Efficiency (BTU/Wh)	6.92
(E) Efficiency (Kcal/Wh)	1.74
(E) Efficiency (W/W)	2.03
EVAP TEMP	7.2°C (45°F)
COND TEMP	54°C (130°F)
AMBIENT TEMP	35°C (95°F)
RETURN GAS	35°C (95°F)
LIQUID TEMP	46°C (115°F)

## Item

**TY401ES111AB41SB**

**TY401ES111A305IH (Inactive)**

**TY401ES111A305VM (Inactive)**