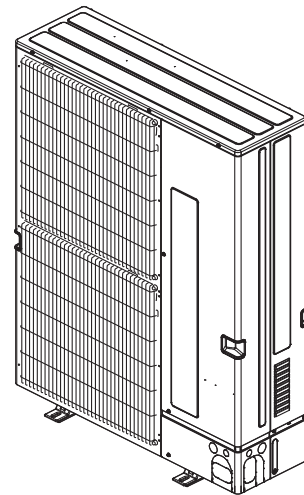


Product and Submittal Data

Outdoor Unit 5HCL9

5HCL9024A1000A
5HCL9036A1000A
5HCL9048A1000A



Note: Graphics in this document are for representation only. Actual model may differ in appearance.

Introduction

Copyright

This document and the information in it are the property of Trane, and may not be used or reproduced in whole or in part without written permission. Trane reserves the right to revise this publication at any time, and to make changes to its content without obligation to notify any person of such revision or change.

Trademark

All trademarks referenced in this document are the trademarks of their respective owners.

Table of Contents

Model Number Description 4

General Data 5

Product Specifications 6

Model Number Description

Digits 1 — Refrigerant Type

4 = R-410A
5 = R-454B

Digit 2, 3 — System Type

HP = Heat Pump
HC = Cold Climate Heat Pump

Digits 4 — Product Family

L = Side Discharge

Digit 5 — Nominal Rated SEER2

0 = 20 SEER2
3 = 13 SEER2
4 = 14 SEER2
5 = 15 SEER2
6 = 16 SEER2
7 = 17 SEER2
8 = 18 SEER2

Digit 6 — Field Connection

0 = Braze

Digit 7, 8 — Nominal Tonnage

12 = 1.0
18 = 1.5
19 = 1.5
24 = 2.0
25 = 2.0
30 = 2.5
31 = 2.5
36 = 3.0
37 = 3.0
42 = 3.5
43 = 3.5
48 = 4.0
49 = 4.0
60 = 5.0
61 = 5.0

Digit 9 — Major Design Changes

A thru Z Note: No F,I,O

Digit 10 — Power Supply (Voltage/Phz/Hz)

1 = 200:208-230/1/60
3 = 200-230/3/60
4 = 460/3/60

Digit 11, 12, 13 — Other Function

000 = Typical-no meaning
COT = Coated Plate Fin

Digit 14 — Major Design Changes

A thru Z Note: No F,I,O

Digit 15 — Service Digit - Not Orderable

A thru Z Note: No F,I,O

General Data

AHRI standard 210/240 rating conditions:

- Cooling: 80°F DB; air entering indoor coil: 67°F WB; air entering outdoor coil: 95°F DB
- High temperature heating: 47°F DB; air entering outdoor coil: 43°F WB; entering indoor coil: 70°F DB
- Low temperature heating: 17°F DB; air entering outdoor coil: 15°F WB; air entering indoor coil: 70°F DB
- Rated indoor airflow for heating is the same as for cooling.

AHRI standard 270 rating conditions:

The noise rating numbers are determined with the unit in cooling operation. Standard Noise Rating number is at 95°F outdoor air.

Product Specifications

Table 1. 5HCL9 product specifications

OUTDOOR UNIT ^{(a) (b)}	5HCL9024A1000A	5HCL9036A1000A	5HCL9048A1000A
POWER CONNS. – V/PH/HZ ^(c)	208-230/1/60	208-230/1/60	208-230/1/60
MIN. BRCH. CIR. AMPACITY	24	29	35
MAX. OVER CURRENT PROTECTION	39	48	60
COMPRESSOR	ROTARY-INVERTER	ROTARY-INVERTER	ROTARY-INVERTER
NO. USED — NO. STAGES	1 - Variable	1 - Variable	1 - Variable
VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
R.L. AMPS ^(d)	11.9	11.9	14.2
MAX SOUND PRESSURE (dBA)	53	53	60
FACTORY INSTALLED	–		
START COMPONENTS ^(e)	NA	NA	NA
INSULATION/SOUND BLANKET	Yes	Yes	Yes
COMPRESSOR HEAT	Yes	Yes	Yes
OUTDOOR FAN	–		
DIA. (IN.) – NO. USED	21.66 / Qty2	21.66 / Qty2	21.66 / Qty2
TYPE DRIVE – NO. SPEEDS	1-Variable	1-Variable	1-Variable
NO. MOTORS–HP	2 / 0.0992	2 / 0.0992	2 / 0.2682
CFM @ 0.0 IN. W.G. (f)	3740	3740	4020
MAX. MOTOR SPEED R.P.M.	590	590	640
VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60
F.L. AMPS	0.34	0.34	0.94
OUTDOOR COIL – TYPE	–		
ROWS–F.P.I.	2/14	2/14	3/14
FACE AREA (SQ. FT.)	13.45	13.45	13.35
TUBE SIZE (IN.)	5/16	5/16	5/16
REFRIGERANT CONTROL	Td/SC control	Td/SC control	Td/SC control

^(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.

^(b) Rated in accordance with AHRI standard 270/275.

^(c) Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

^(d) This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection current.

^(e) NA means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter.

Table 2. Refrigerant information

OUTDOOR UNIT ^{(a) (b)}	5HCL9024A1000A	5HCL9036A1000A	5HCL9048A1000A
LBS. – R-454B (O.D. UNIT) ^(c)	9 lbs + 14oz	9 lbs + 14oz	11lbs + 7 oz
FACTORY SUPPLIED	Yes	Yes	Yes
LINE SIZE–IN. O.D. GAS ^(d)	5/8	5/8	5/8
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8

^(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.

^(b) Rated in accordance with AHRI standard 270/275.

^(c) This value approximate. For more precise value see unit nameplate.

Table 2. Refrigerant information (continued)

^(d) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or Refrigerant Piping Manual for Small Split Cooling and Heat Pump Systems Application Guide (SS-APG006*-EN) for long line sets or specialty applications (*xx denotes latest revision).

Table 3. Dimensions and weights

OUTDOOR UNIT ^(a) ^(b)	5HCL9024A1000A	5HCL9036A1000A	5HCL9048A1000A
DIMENSIONS	H X W X D	H X W X D	H X W X D
CRATED (IN.)	59 x 43 x 18	59 x 43 x 18	59 x 43 x 18
UNCRATED (IN.)	52.67 x 41.34 x 14.56	52.67 x 41.34 x 14.56	52.67 x 41.34 x 14.56
WEIGHT	—		
SHIPPING (LBS.)	257	257	297
NET (LBS.)	231	231	271

^(a) Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which is based on AHRI standard 210/240.

^(b) Rated in accordance with AHRI standard 270/275.

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com.

The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.