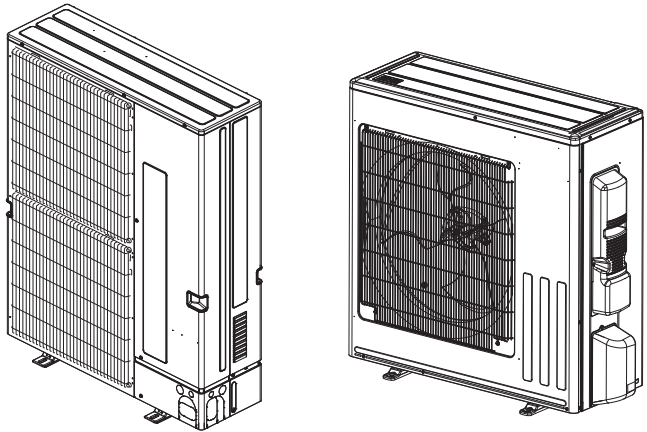


# Product and Submittal Data

## Outdoor Unit 5HPL6

5HPL6024A1000A  
5HPL6036A1000A  
5HPL6048A1000A  
5HPL6060A1000A



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

# Introduction

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# 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. 5HPL6 product specifications**

OUTDOOR UNIT <sup>(a) (b)</sup>	5HPL6024A1000A	5HPL6036A1000A	5HPL6048A1000A	5HPL6060A1000A
POWER CONNS. – V/PH/HZ <sup>(c)</sup>	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	24	25	38	38
MAX. OVER CURRENT PROTECTION	40	41	67	67
<b>COMPRESSOR</b>	ROTARY-INVERTER	ROTARY-INVERTER	ROTARY-INVERTER	ROTARY-INVERTER
NO. USED — NO. STAGES	1-Variable	1-Variable	1-Variable	1-Variable
VOLTS/PH/HZ	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
R.L. AMPS <sup>(d)</sup>	8.2	8.2	14.2	14.2
MAX SOUND PRESSURE (dBA)	45	49	52	56
<b>FACTORY INSTALLED</b>	—			
START COMPONENTS <sup>(e)</sup>	NA	NA	NA	NA
INSULATION/SOUND BLANKET	YES	YES	YES	YES
COMPRESSOR HEAT	No	No	No	No
OUTDOOR FAN	PROPELLER	PROPELLER	PROPELLER	PROPELLER
DIA. (IN.) – NO. USED	19.69 / Qty1	19.69 / Qty1	21.66 / Qty2	21.66 / Qty2
TYPE DRIVE – NO. SPEEDS	Cooling:3, Heating :2	Cooling:3, Heating :2	Variable	Variable
NO. MOTORS–HP	1 / 0.0671	1 / 0.0671	2 / 0.2682	2 / 0.2682
CFM @ 0.0 IN. W.G. (f)	1974(C)/1949(H)	1974(C)/1949(H)	4020	4020
MAX. MOTOR SPEED R.P.M.	810	810	640	640
VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. AMPS	0.5	0.49	0.9	0.94
OUTDOOR COIL – TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
ROWS–F.P.I.	2/19	2/19	3/14	3/14
FACE AREA (SQ. FT.)	8.17	8.17	13.35	13.35
TUBE SIZE (IN.)	9/32	9/32	5/16	5/16
REFRIGERANT CONTROL	EEV	EEV	EEV	EEV

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

<sup>(b)</sup> Rated in accordance with AHRI standard 270/275.

<sup>(c)</sup> Calculated in accordance with Natl. Elec. Codes. Use only HACR circuit breakers or fuses.

<sup>(d)</sup> 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.

<sup>(e)</sup> NA means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter.

**Table 2. Refrigerant information**

OUTDOOR UNIT <sup>(a) (b)</sup>	5HPL6024A1000A	5HPL6036A1000A	5HPL6048A1000A	5HPL6060A1000A
LBS. – R-454B (O.D. UNIT) <sup>(c)</sup>	3 lbs 4oz	3 lbs 4 oz	11lbs 7 oz	11lbs 7 oz
FACTORY SUPPLIED	YES	YES	YES	YES
LINE SIZE–IN. O.D. GAS <sup>(d)</sup>	1/4	1/4	5/8	3/4
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8	3/8

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

**Table 2. Refrigerant information (continued)**

- (b) Rated in accordance with AHRI standard 270/275.  
 (c) This value approximate. For more precise value see unit nameplate.  
 (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 <sup>(a) (b)</sup>	5HPL6024A1000A	5HPL6036A1000A	5HPL6048A1000A	5HPL6060A1000A
DIMENSIONS	H X W X D	H X W X D	H X W X D	H X W X D
CRATED (IN.)	39.77 X 39.375 X 16.92	39.77 X 39.375 X 16.92	59 X 43 X 18	59 X 43 X 18
UNCRATED (IN.)	34.63 x 33.06 x 15.375	34.63 x 33.06 x 15.375	52.67 x 41.34 x 14.56	52.67 x 41.34 x 14.56
WEIGHT	—			
SHIPPING (LBS.)	135	135	291	291
NET (LBS.)	117	117	265	265

(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

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