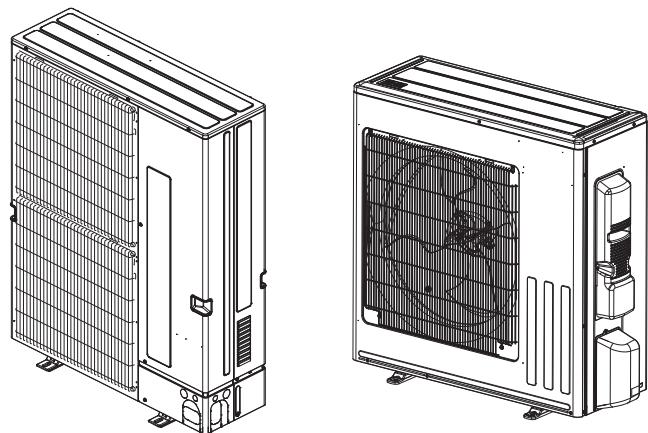


Product and Submittal Data

Outdoor Unit 5HPL9

5HPL9024A1000AA
5HPL9036A1000AA
5HPL9048A1000A
5HPL9060A1000A



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 = Brazed

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 Specification

Table 1. 5HPL9 product specifications

OUTDOOR UNIT ^(a) ^(b)	5HPL9024A1000AA	5HPL9036A1000AA	5HPL9048A1000A	5HPL9060A1000A
POWER CONNS. – V/PH/HZ ^(c)	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
MIN. BRCH. CIR. AMPACITY	16	34	38	38
MAX. OVER CURRENT PROTECTION	27	56	67	67
COMPRESSOR	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 ^(d)	5.7	11.9	14.2	14.2
MAX SOUND PRESSURE (dBA)	52	53	62	62
FACTORY INSTALLED	—			
START COMPONENTS ^(e)	NA	NA	NA	NA
INSULATION/SOUND BLANKET	Yes	Yes	Yes	Yes
COMPRESSOR HEAT	No	No	No	No
OUTDOOR FAN	—			
DIA. (IN.) – NO. USED	19.69 / Qty1	21.66 / Qty2	21.66 / Qty2	21.66 / Qty2
TYPE DRIVE – NO. SPEEDS	1-Variable	1-Variable	1-Variable	1-Variable
NO. MOTORS–HP	1 / 0.0992	2 / 0.0992	2 / 0.2682	2 / 0.2682
CFM @ 0.0 IN. W.G. (f)	1940	3910	4020	4020
MAX. MOTOR SPEED R.P.M.	780	590	640	640
VOLTS/PH/HZ	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. AMPS	0.34	0.34	0.94	0.94
OUTDOOR COIL – TYPE	—			
ROWS–F.P.I.	2/16	2/14	3/14	3/14
FACE AREA (SQ. FT.)	8.86	13.45	13.35	13.35
TUBE SIZE (IN.)	3/8	5/16	5/16	5/16
REFRIGERANT CONTROL	Td/SC 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)	5HPL9024A1000AA	5HPL9036A1000AA	5HPL9048A1000A	5HPL9060A1000A
LBS. – R-454B (O.D. UNIT) ^(c)	7 lbs + 11oz	9 lbs + 14oz	11lbs + 7 oz	11lbs + 7 oz
FACTORY SUPPLIED	Yes	Yes	Yes	Yes
LINE SIZE–IN. O.D. GAS ^(d)	5/8	5/8	5/8	3/4
LINE SIZE — IN. O.D. LIQ.	3/8	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.

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 ^(a) ^(b)	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.)	43 x 42 x 18	59 x 43 x 18	59 x 43 x 18	59 x 43 x 18
UNCRATED (IN.)	37.125 x 37.41 x 14	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.)	178	250	291	291
NET (LBS.)	155	224	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.

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