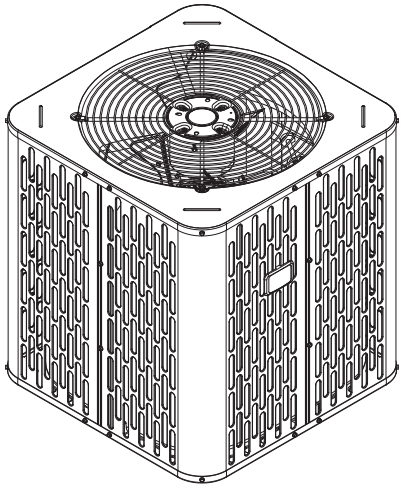
Submittal

Split System Air Conditioner

A4AC4018A1000A



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

TAG:_____

⚠ SAFETY WARNING

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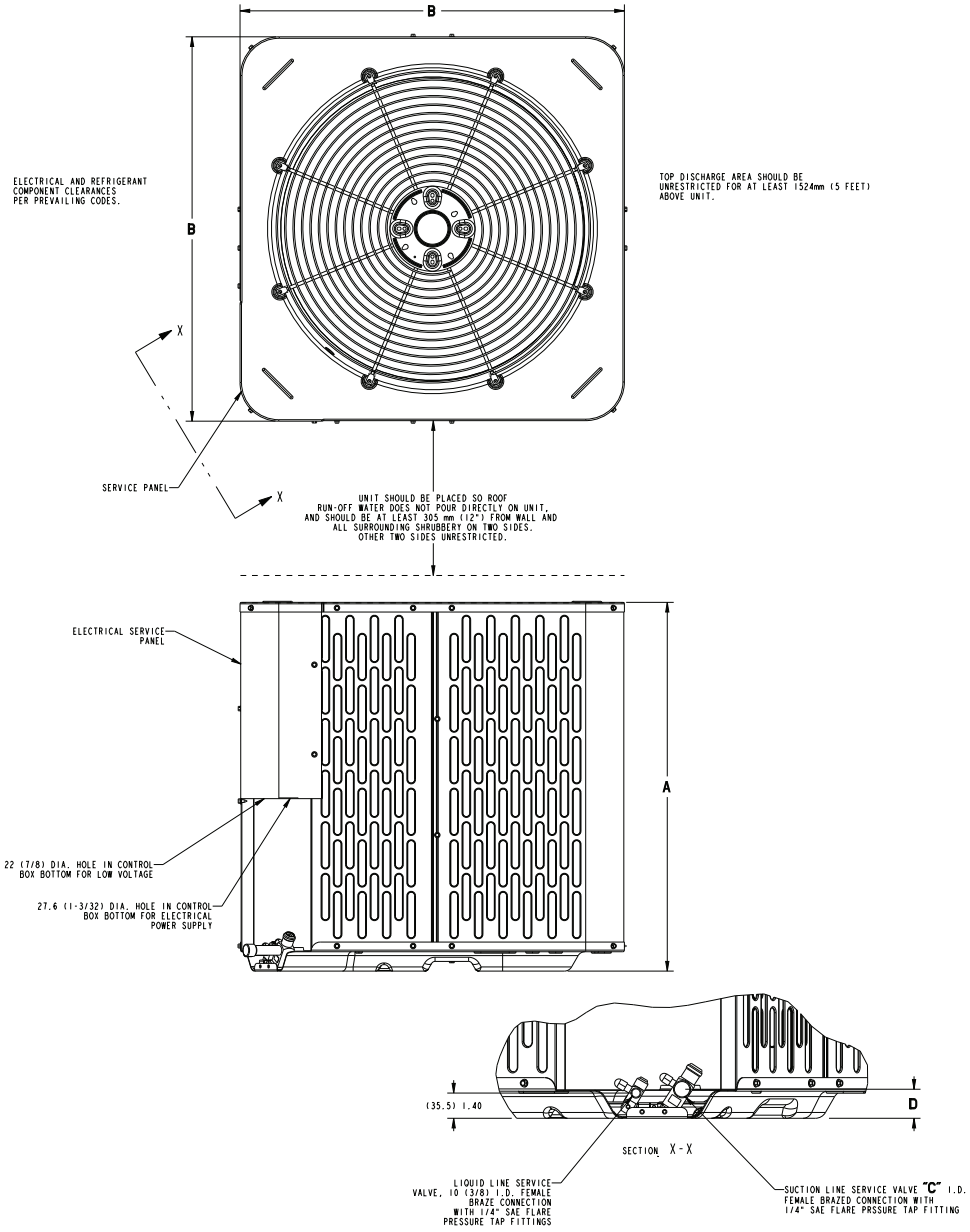
November 2019 **AM-PRQ-A4AC4018A-1B-EN** Ingersoll Rand

Outline Drawing



Model	Base	A	B	C	D
A4AC4018A	1A.2	727 (28–5/8)	600 (23–5/8)	19 (3/4)	41 (1–5/8)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4018A	74	73.7	71.4	65.4	68	67.3	62.9	56	50.3
Note: Rated in accordance with AHRI Standard 270–2008									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4018A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	12
MAX. OVERCURRENT PROTECTION	20
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	9.0 — 48
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	18.06
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	1780
NO. MOTORS — HP	1 — 1/12
MOTOR SPEED R.P.M.	810
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.85
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	12.41
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	4 LBS., 2 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	31.7 x 24.9 x 24.9
WEIGHT	
SHIPPING (LBS.)	152
NET (LBS.)	130

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

Ingersoll Rand

Ingersoll Rand (NYSE: IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including Club Car®, Ingersoll Rand®, Thermo King® and Trane® — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a global business committed to a world of sustainable progress and enduring results.

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Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C ETL LISTED US Intertek

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AM-PRQ-A4AC4018A-1B-EN 12 Nov 2019
Supersedes AM-PRQ-A4AC4018A-1A-EN (June 2019)
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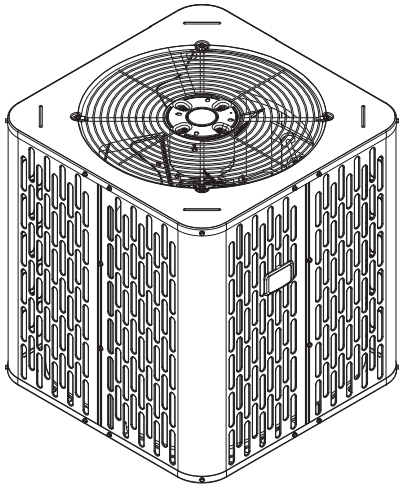
Submittal

Split System Air Conditioner

A4AC4023A1000A



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TAG:_____

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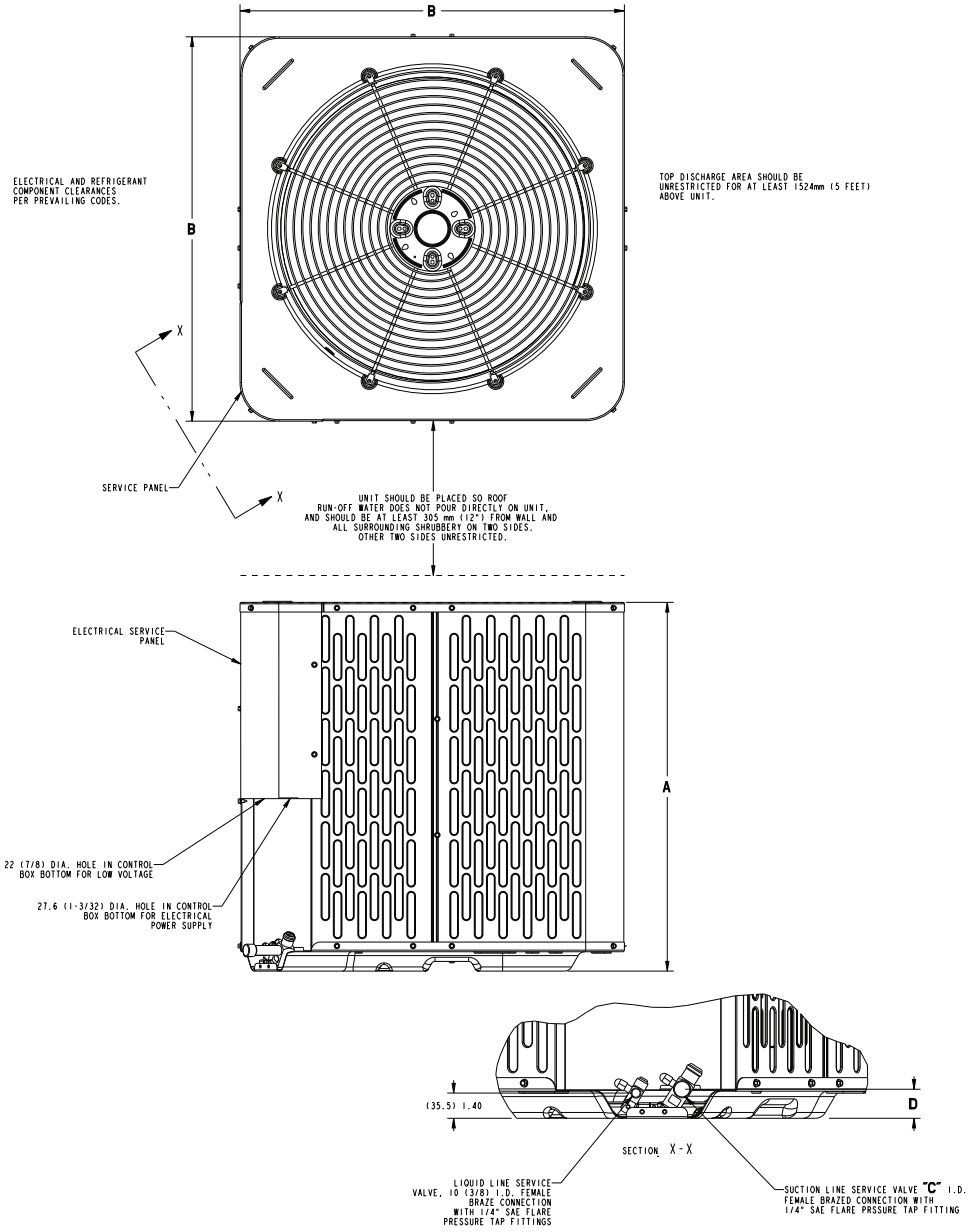
November 2019 **AM-PRO-A4AC4023A-1B-EN** Ingersoll Rand

Outline Drawing



Model	Base	A	B	C	D
A4AC4023A	1A.3	828 (32–5/8)	600 (23–5/8)	19 (3/4)	41 (1–5/8)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4023A	75	74	71	65	68	67	63	56	50
Note: Rated in accordance with AHRI Standard 270–2008 *For reference only.									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4023A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	14
MAX. OVERCURRENT PROTECTION	25
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	10.9 — 63
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	18.06
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	2415
NO. MOTORS — HP	1 — 1/8
MOTOR SPEED R.P.M.	1075
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.9
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	14.13
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	4 LBS., 2 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	35.7 x 24.9 x 24.9
WEIGHT	
SHIPPING (LBS.)	152
NET (LBS.)	130

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

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AM-PRQ-A4AC4023A-1B-EN 12 Nov 2019
Supersedes AM-PRQ-A4AC4023A-1A-EN (June 2019)
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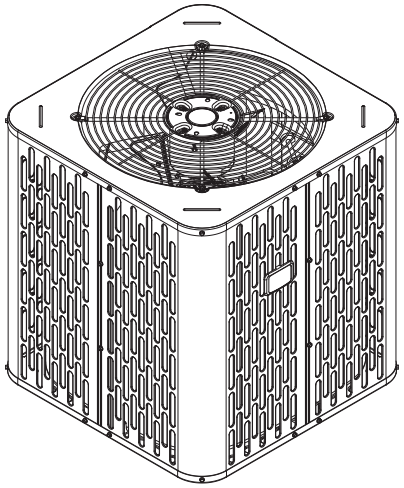
Submittal

Split System Air Conditioner

A4AC4024A1000A



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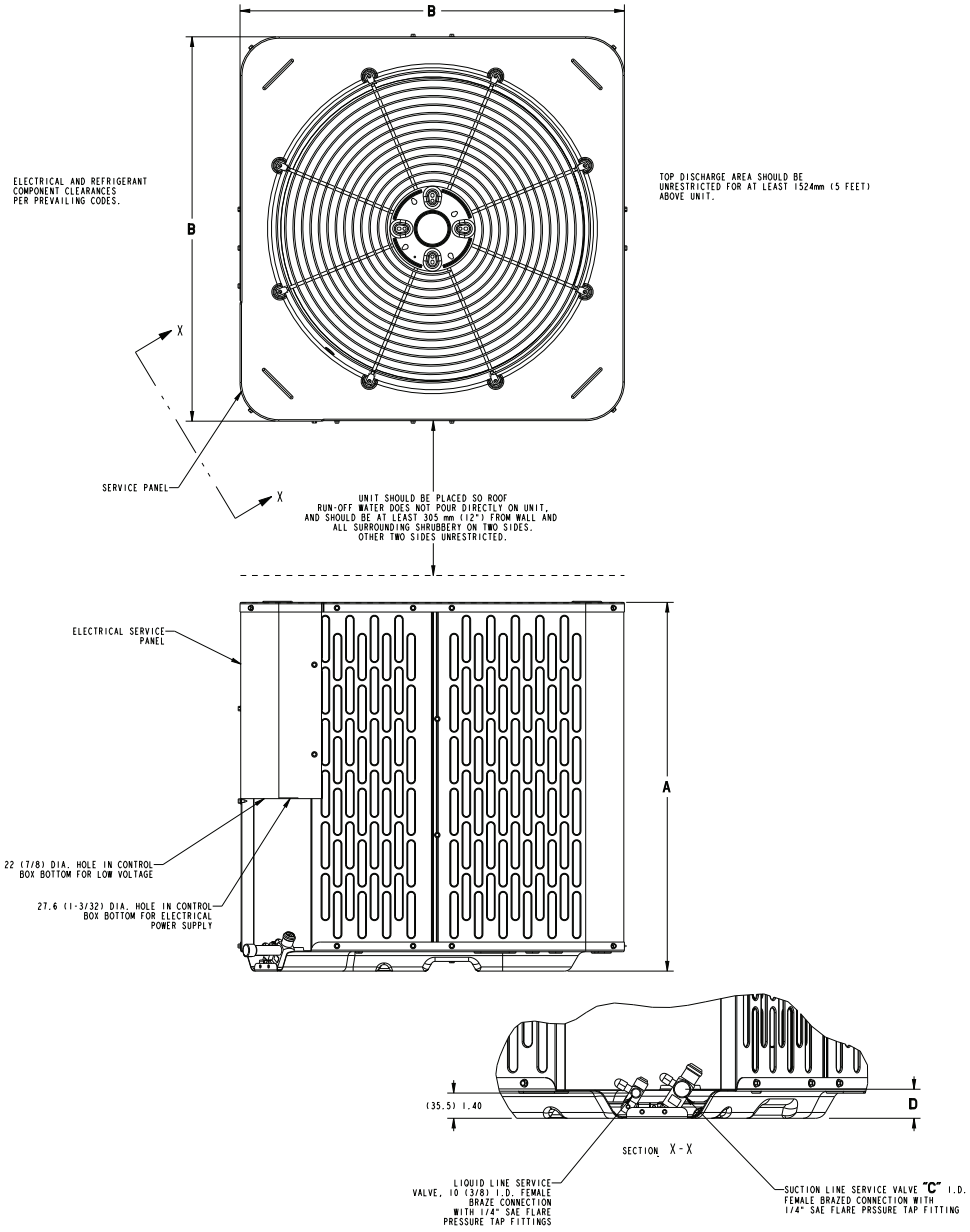
November 2019 **AM-PRO-A4AC4024A-1B-EN** Ingersoll Rand

Outline Drawing



Model	Base	A	B	C	D
A4AC4024A	2.2	727 (28–5/8)	651 (23–5/8)	19 (3/4)	41 (1–5/8)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4024A	74	74	71	65	68	67	63	56	50
Note: Rated in accordance with AHRI Standard 270–2008 *For reference only.									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4024A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	14
MAX. OVERCURRENT PROTECTION	25
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	10.9 — 63
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	18.9
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	2720
NO. MOTORS — HP	1 — 1/8
MOTOR SPEED R.P.M.	1075
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.9
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	13.44
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	4 LBS., 11 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	31.1 x 26.9 x 26.9
WEIGHT	
SHIPPING (LBS.)	158
NET (LBS.)	134

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

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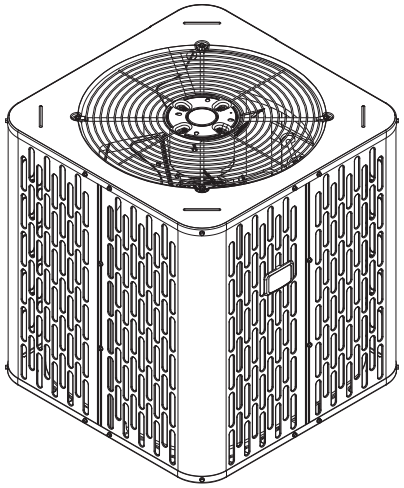
Submittal

Split System Air Conditioner

A4AC4030A1000A



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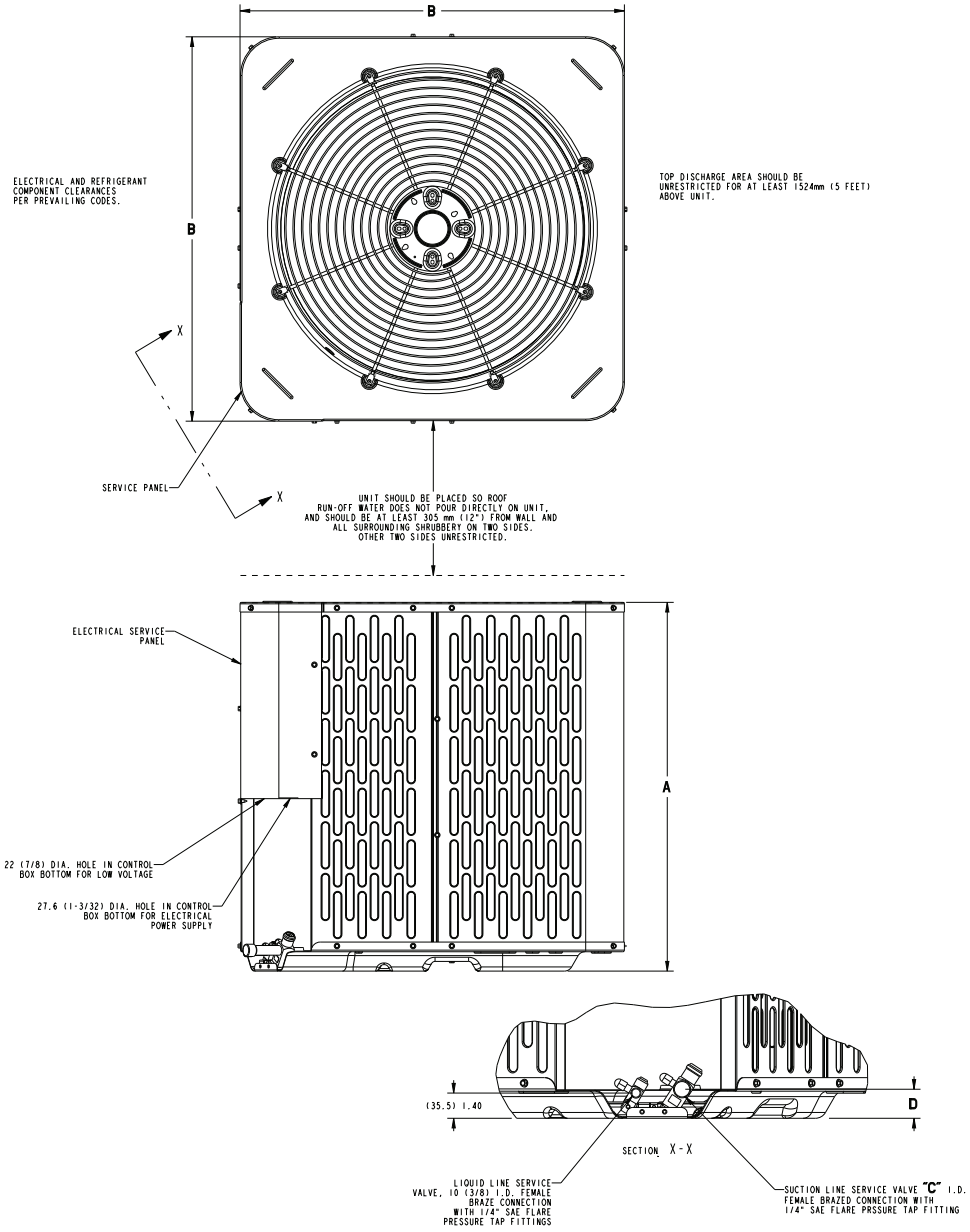
November 2019 **AM-PRQ-A4AC4030A-1B-EN** Ingersoll Rand

Outline Drawing



Model	Base	A	B	C	D
A4AC4030A	3.2	727 (28–5/8)	756 (29–3/4)	19 (3/4)	41 (1–5/8)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4030A	74	71.8	72.8	71.8	65.6	61.9	57.1	50.4	41.1
Note: Rated in accordance with AHRI Standard 270–2008									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4030A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	17
MAX. OVERCURRENT PROTECTION	25
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	12.8 — 68
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	23
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	3110
NO. MOTORS — HP	1 — 1/8
MOTOR SPEED R.P.M.	850
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.77
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	15.55
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	4 LBS., 11 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	31.1 x 26.9 x 26.9
WEIGHT	
SHIPPING (LBS.)	188
NET (LBS.)	160

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

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Ingersoll Rand (NYSE: IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including Club Car®, Ingersoll Rand®, Thermo King® and Trane® — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a global business committed to a world of sustainable progress and enduring results.

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Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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Supersedes AM-PRQ-A4AC4030A-1A-EN (June 2019)
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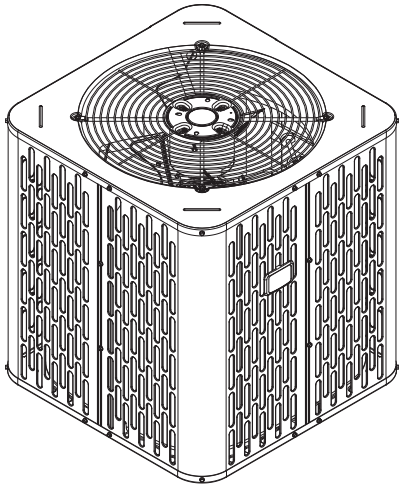
Submittal

Split System Air Conditioner

A4AC4036A1000A



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

TAG:_____

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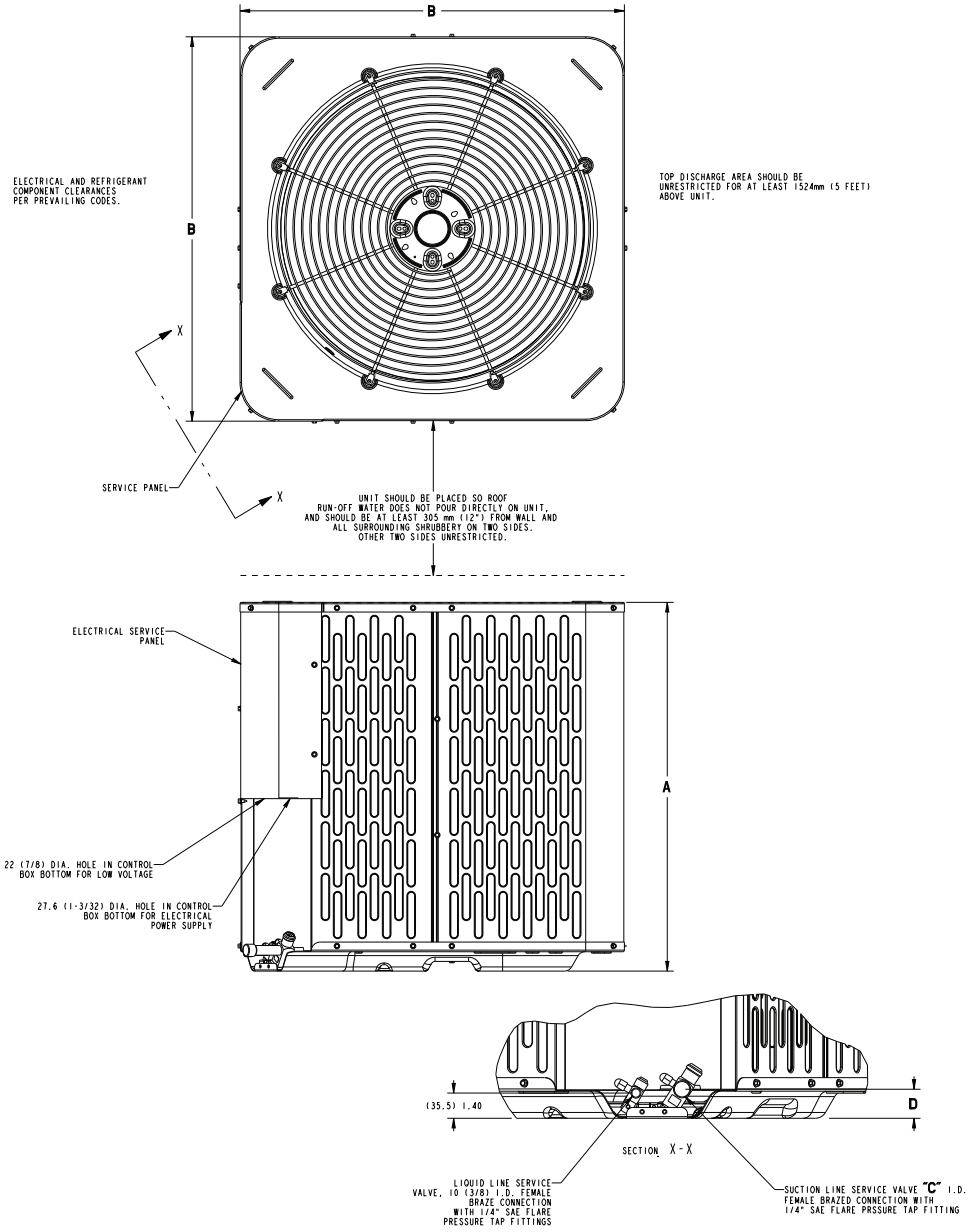
November 2019 **AM-PRO-A4AC4036A-1B-EN** Ingersoll Rand

Outline Drawing



Model	Base	A	B	C	D
A4AC4036A	3.3	828 (32–5/8)	756 (29–3/4)	19 (3/4)	41 (1–5/8)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4036A	74	71.8	72.8	71.8	65.6	61.9	57.1	50.4	41.1
Note: Rated in accordance with AHRI Standard 270–2008									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4036A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	18
MAX. OVERCURRENT PROTECTION	30
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	14.1 — 72
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	23
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	3120
NO. MOTORS — HP	1 — 1/8
MOTOR SPEED R.P.M.	850
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.77
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	18.15
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	5 LBS., 07 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	3/4
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	35.7 x 31 x 31
WEIGHT	
SHIPPING (LBS.)	189
NET (LBS.)	161

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

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Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

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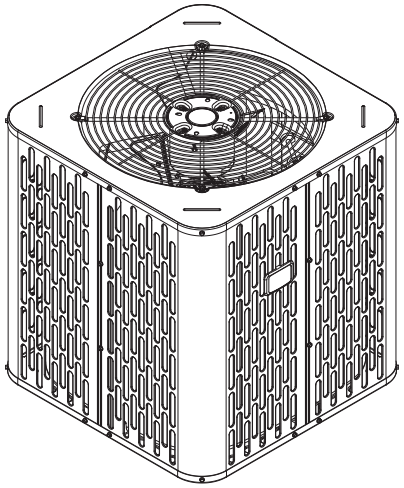
Submittal

Split System Air Conditioner

A4AC4042A1000A



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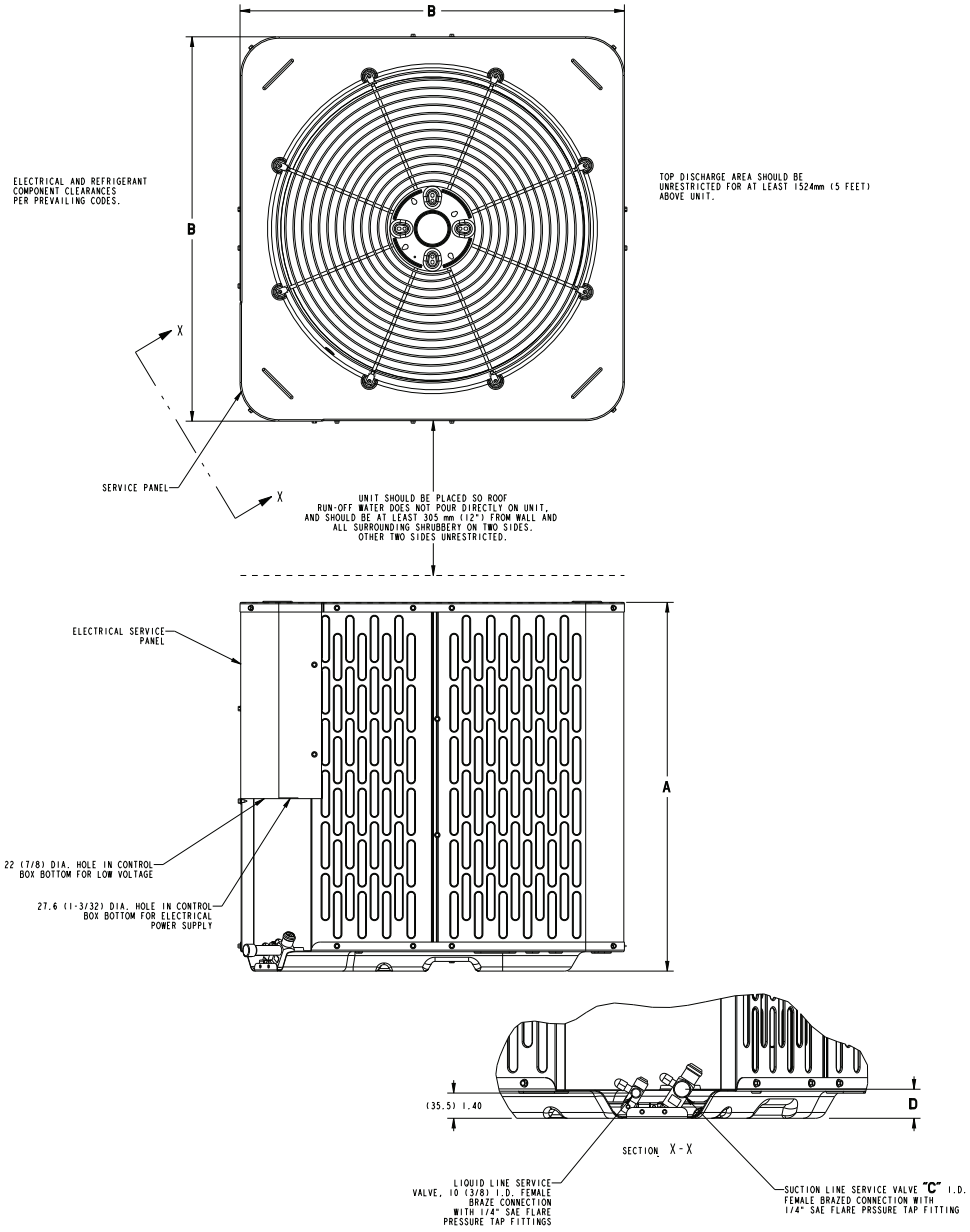
Outline Drawing



Model	Base	A	B	C	D
A4AC4042A	4.2	727 (28–5/8)	870 (34–1/4)	22 (7/8)	43 (1–3/4)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4042A	76	81	72	69	69	66	60	57	54
Note: Rated in accordance with AHRI Standard 270–2008									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4042A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	22
MAX. OVERCURRENT PROTECTION	35
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	16.7 — 109
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	27.5
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	4150
NO. MOTORS — HP	1 — 1/5
MOTOR SPEED R.P.M.	825
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.93
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	18.03
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	5 LBS., 05 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	7/8
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	12°F
DIMENSIONS	H X W X D
CRATED (IN.)	31.7 x 35.5 x 35.5
WEIGHT	
SHIPPING (LBS.)	189
NET (LBS.)	159

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
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Mechanical Specification Options

General

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Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

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Supersedes AM-PRQ-A4AC4042A-1A-EN (June 2019)

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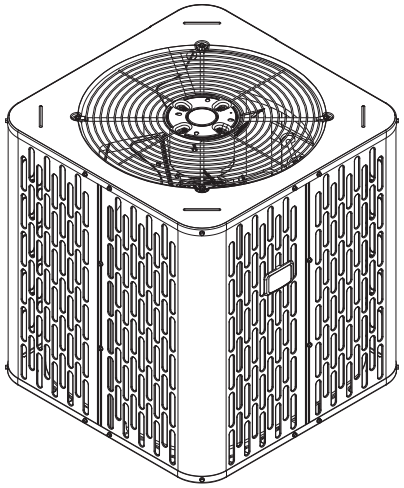
Submittal

Split System Air Conditioner

A4AC4048A1000A



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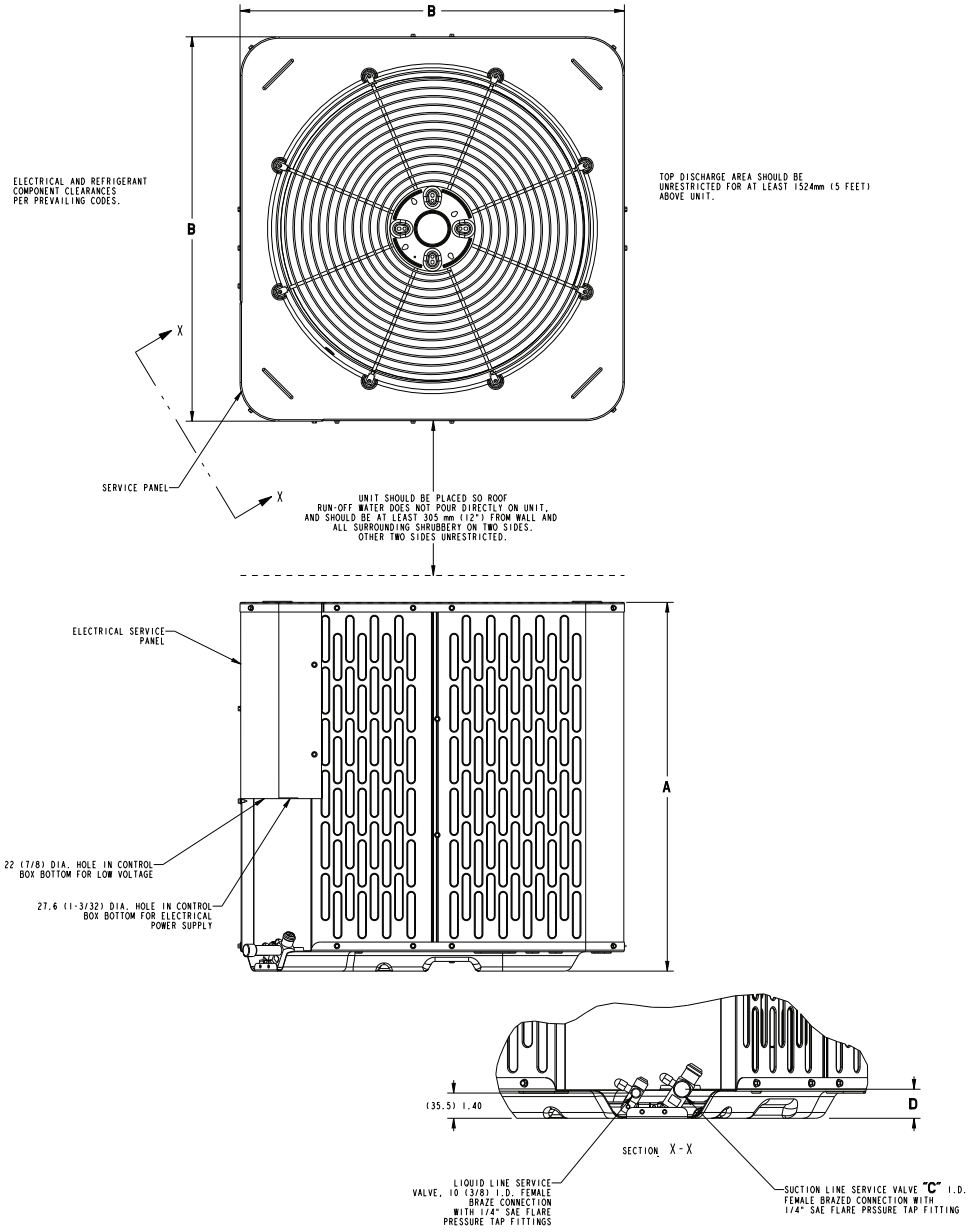
Outline Drawing



Model	Base	A	B	C	D
A4AC4048A	4.2	727 (28–5/8)	870 (34–1/4)	22 (7/8)	43 (1–3/4)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz*	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4048A	76	81	72	69	69	66	60	57	54
Note: Rated in accordance with AHRI Standard 270–2008 *For reference only.									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4048A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	24
MAX. OVERCURRENT PROTECTION	40
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	18.5 — 124
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	27.5
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	4410
NO. MOTORS — HP	1 — 1/5
MOTOR SPEED R.P.M.	825
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.93
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	18.03
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	5 LBS., 03 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	7/8
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	12°F
DIMENSIONS	H X W X D
CRATED (IN.)	31.7 x 35.5 x 35.5
WEIGHT	
SHIPPING (LBS.)	189
NET (LBS.)	159

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[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
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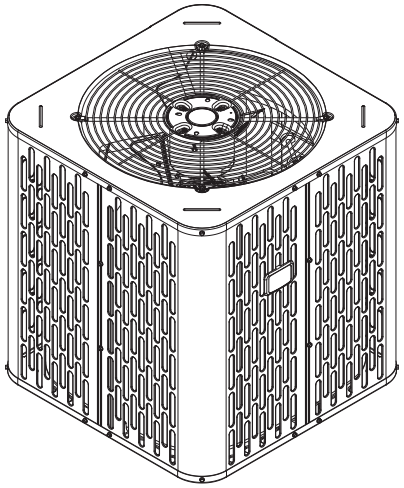
Submittal

Split System Air Conditioner

A4AC4060A1000A



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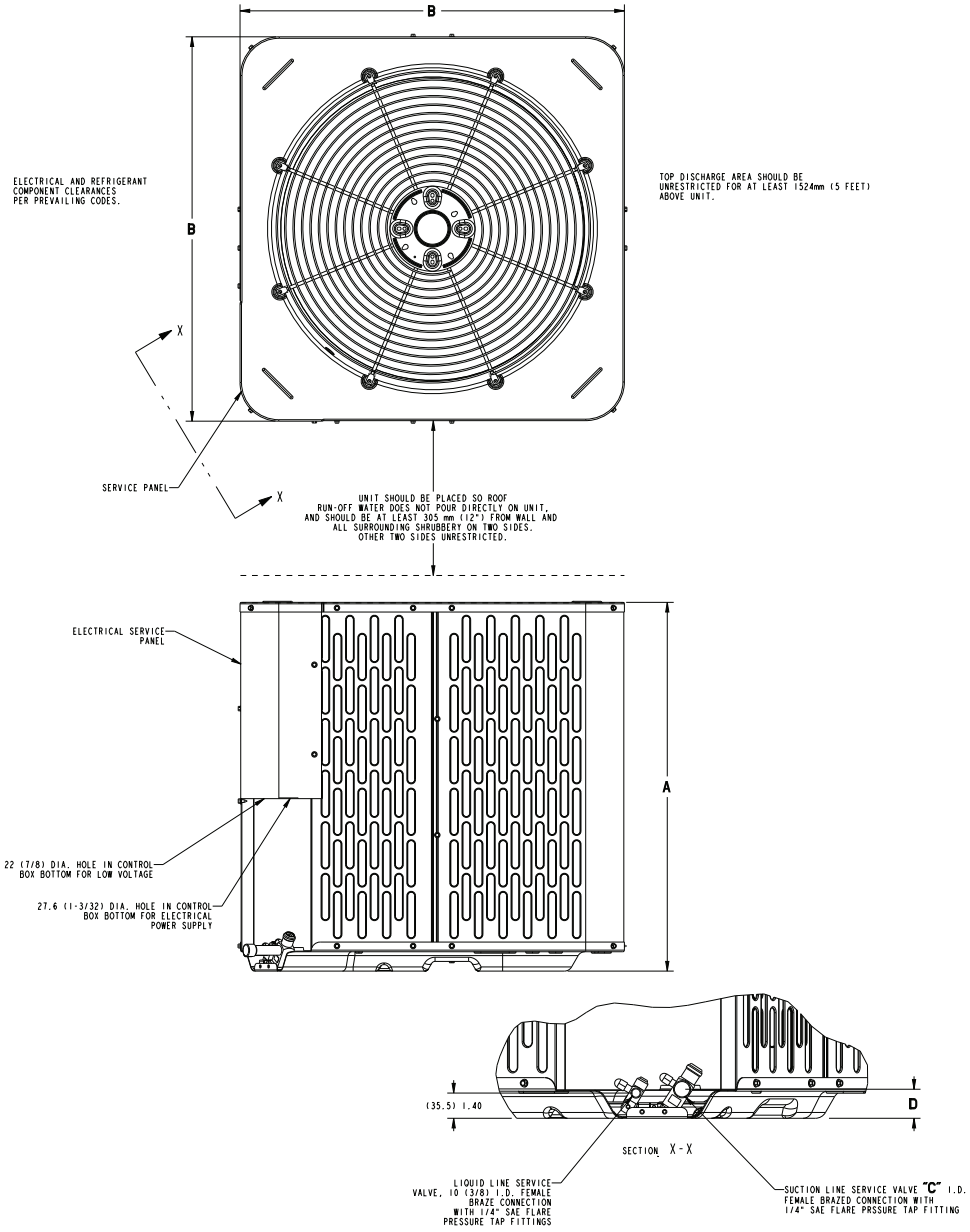
Outline Drawing



Model	Base	A	B	C	D
A4AC4060A	4.4	930 (36–5/8)	870 (34–1/4)	22 (7/8)	43 (1–3/4)

SOUND POWER LEVEL									
Model	A-Weighted Sound Power Level [dB(A)]	Full Octave Sound Power [dB]							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
A4AC4060A	76	81	72	69	69	66	60	57	54
Note: Rated in accordance with AHRI Standard 270–2008									

Product Specifications

OUTDOOR UNIT [a] [b]	A4AC4060A1000A
POWER CONNS. — V/PH/HZ [c]	208/230/1/60
MIN. CIR. AMPACITY	31
MAX. OVERCURRENT PROTECTION	50
COMPRESSOR	SCROLL
NO. USED — NO. STAGES	1 — 1
VOLTS/PH/HZ	208/230/1/60
R.L. AMPS [d] — L.R. AMPS	23.7 — 152.5
FACTORY INSTALLED	YES/NO
START COMPONENTS [e]	NO
INSULATION/SOUND BLANKET	NO
COMPRESSOR HEAT	NO
OUTDOOR FAN	PROPELLER
DIA. (IN.) — NO. USED	27.5
TYPE DRIVE — NO. SPEEDS	DIRECT — 1
CFM @ 0.0 IN. W.G. [f]	4410
NO. MOTORS — HP	1 — 1/5
MOTOR SPEED R.P.M.	825
VOLTS/PH/HZ	208/230/1/60
F.L. AMPS	0.93
OUTDOOR COIL — TYPE	ALL ALUMINUM
ROWS — F.P.I.	1 — 24
FACE AREA (SQ. FT.)	23.81
TUBE SIZE (IN.)	3/8
REFRIGERANT CONTROL	EXPANSION VALVE
REFRIGERANT	
LBS. — R-410A (O.D. UNIT) [g]	7 LBS., 10 OZ
FACTORY SUPPLIED	YES
LINE SIZE — IN. O.D. GAS [h] [i]	7/8
LINE SIZE — IN. O.D. LIQ.	3/8
CHARGING SPECIFICATIONS	
SUBCOOLING	10°F
DIMENSIONS	H X W X D
CRATED (IN.)	39.7 x 35.5 x 35.5
WEIGHT	
SHIPPING (LBS.)	251
NET (LBS.)	220

[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.
[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] No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter. Optional kit shown.
[f] Standard Air — Dry Coil — Outdoor
[g] This value approximate. For more precise value see unit nameplate.
[h] 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 application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).
[i] The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. Always verify proper system charge via subcooling (TXV/EEV) or superheat (fixed orifice) per the unit nameplate.

Mechanical Specification Options

General

The outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit, ten (10) feet of tested connecting line, and the smallest rated indoor evaporative coil match. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

Casing

Unit casing is constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint finish. The corner panels are prepainted. All panels are subjected to our 1,000 hour salt spray test .

Refrigerant Controls

Refrigeration system controls include condenser fan, compressor contactor and low and high pressure switches.

Compressor

The compressor features internal over temperature and pressure protection. Other features include: Centrifugal oil pump and low vibration and noise.

Condenser Coil

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

Low Ambient Cooling

As manufactured, this system has a cooling capacity to 55°F. The addition of an evaporator defrost control permits operation to 40°F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30°F.

The addition of the BAYLOAM107A low ambient kit permits ambient cooling to 20°F.

Thermostats—Cooling only and heat/cooling (manual and automatic change over). Sub-base to match thermostat and locking thermostat cover.

Ingersoll Rand

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AHRI CERTIFIED® www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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The AHRI Certified mark indicates Ingersoll Rand participation in the AHRI Certification program. For verification of individual certified products, go to www.ahridirectory.org.

Ingersoll Rand has a policy of continuous product and product data improvements and reserves the right to change design and specifications without notice.
We are committed to using environmentally conscious print practices.

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