

COMMERCIAL SPLIT SYSTEM CONDENSING UNITS

R-410A 6 - 20 TONS

BUILT TO LAST, EASY TO INSTALL AND SERVICE

- Single stage cooling capacity control on all 072-241 models
- Two stage cooling capacity control on all 120-240 models
- Round copper tube aluminum plate fin (RTPF) condenser coils on all models
- Brass suction and liquid line service valves
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Galvanized steel cabinet with pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully hermetic scroll compressor with crankcase heater
- Compressor mounted on independent vibration isolators
- Comfort Alert™ Diagnostic Board
 - LED Go-No-Go and fault code
 - Built in time guard anti-short cycle
 - Phase protection
 - Fault code retention logic
 - Low volt compressor contactor protector
- All units have high and low pressure switches
- Direct drive permanently lubricated condenser fan motors
- Newly designed terminal board facilitates simple safety circuit troubleshooting and simplified control box arrangement
- Outdoor temperature cooling operation range up to 125°F (52°C) and down to 40°F (4°C) using winter start kit
- Models with optional low ambient control provide cooling operation down to -20°F (-29°C)
- All units factory run tested



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WARRANTY

- 5 year compressor limited warranty
- 1 year parts limited warranty

* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



UNIT PERFORMANCE DATA - Single Circuit								
Model Number	Cooling Circuits	Cooling			Total Power (kW)	Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
		Nom. Capacity Ton	Net Capacity BTU/h	EER				
CAS072HAA0A00A	1	6.0	71,000	11.5	6.2	42-3/8 x 59-3/8 x 45-7/8 (1076 x 1509 x 1165)	389 / 176	
CAS072HBA0A00A*	1	6.0	71,000	11.5	6.2		389 / 176	
CAS072LAA0A00A	1	6.0	71,000	11.5	6.2		389 / 176	
CAS072LBA0A00A*	1	6.0	71,000	11.5	6.2	42-3/8 x 59-3/8 x 45-7/8 (1076 x 1509 x 1165)	389 / 176	
CAS072SAA0A00A	1	6.0	71,000	11.5	6.2		389 / 176	
CAS072SBA0A00A*	1	6.0	71,000	11.5	6.2		389 / 176	
CAS091HAA0A00A	1	7.5	92,000	11.2	8.2	42-3/8 x 59-3/8 x 45-7/8 (1076 x 1509 x 1165)	391 / 177	
CAS091HBA0A00A*	1	7.5	92,000	11.2	8.2		391 / 177	
CAS091LAA0A00A	1	7.5	92,000	11.2	8.2		391 / 177	
CAS091LBA0A00A*	1	7.5	92,000	11.2	8.2	42-3/8 x 59-3/8 x 45-7/8 (1076 x 1509 x 1165)	391 / 177	
CAS091SAA0A00A	1	7.5	92,000	11.2	8.2		391 / 177	
CAS091SBA0A00A*	1	7.5	92,000	11.2	8.2		391 / 177	
CAS121HAA0A00A	1	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8 (1279 x 1509 x 1165)	490 / 222	
CAS121HBA0A00A*	1	10.0	117,000	11.2	10.4		490 / 222	
CAS121LAA0A00A	1	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8 (1279 x 1509 x 1165)	490 / 222	
CAS121LBA0A00A*	1	10.0	117,000	11.2	10.4		490 / 222	

* Models with optional low ambient control

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CAS (continued)

UNIT PERFORMANCE DATA - Single Circuit (Cont.)

Model Number	Cooling Circuits	Cooling			Total Power (kW)	Height x Width x Depth in (mm)	Operating Weight lbs (kg)	Notes
		Nom. Capacity Ton	Net Capacity BTU/h	EER				
CAS121SAA0A00A	1	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8	490 / 222	
CAS121SBA0A00A*	1	10.0	117,000	11.2	10.4	(1279 x 1509 x 1165)	490 / 222	
CAS151HAA0A00A	1	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	598 / 271	
CAS151HBA0A00A*	1	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	598 / 271	
CAS151LAA0A00A	1	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	598 / 271	
CAS151LBA0A00A*	1	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	598 / 271	
CAS151SAA0A00A	1	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	598 / 271	
CAS151SBA0A00A*	1	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	598 / 271	
CAS181HAA0A00A	1	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS181HBA0A00A*	1	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS181LAA0A00A	1	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS181LBA0A00A*	1	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS181SAA0A00A	1	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS181SBA0A00A*	1	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS241HAA0A00A	1	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS241HBA0A00A*	1	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	
CAS241LAA0A00A	1	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS241LBA0A00A*	1	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	
CAS241SAA0A00A	1	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS241SBA0A00A*	1	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	

UNIT PERFORMANCE DATA - Dual Circuit

CAS120HDA0A00A	2	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8	516 / 234	
CAS120HEA0A00A*	2	10.0	117,000	11.2	10.4	(1279 x 1509 x 1165)	516 / 234	
CAS120LDA0A00A	2	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8	516 / 234	
CAS120LEA0A00A*	2	10.0	117,000	11.2	10.4	(1279 x 1509 x 1165)	516 / 234	
CAS120SDA0A00A	2	10.0	117,000	11.2	10.4	50-3/8 x 59-3/8 x 45-7/8	516 / 234	
CAS120SEA0A00A*	2	10.0	117,000	11.2	10.4	(1279 x 1509 x 1165)	516 / 234	
CAS150HDA0A00A	2	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	654 / 297	
CAS150HEA0A00A*	2	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	654 / 297	
CAS150LDA0A00A	2	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	654 / 297	
CAS150LEA0A00A*	2	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	654 / 297	
CAS150SDA0A00A	2	12.5	148,000	11.0	13.5	50-3/8 x 59-3/8 x 45-7/8	654 / 297	
CAS150SEA0A00A*	2	12.5	148,000	11.0	13.5	(1279 x 1509 x 1165)	654 / 297	
CAS180HDA0A00A	2	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS180HEA0A00A*	2	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS180LDA0A00A	2	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS180LEA0A00A*	2	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS180SDA0A00A	2	15.0	184,000	11.2	16.4	50-3/8 x 86-3/8 x 45-7/8	731 / 322	
CAS180SEA0A00A*	2	15.0	184,000	11.2	16.4	(1279 x 2193 x 1165)	731 / 322	
CAS240HDA0A00A	2	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS240HEA0A00A*	2	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	
CAS240LDA0A00A	2	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS240LEA0A00A*	2	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	
CAS240SDA0A00A	2	20.0	240,000	11.0	21.8	50-3/8 x 86-3/8 x 67-1/8	978 / 444	
CAS240SEA0A00A*	2	20.0	240,000	11.0	21.8	(1279 x 2193 x 1704)	978 / 444	

* Models with optional low ambient control