



Air Conditioning & Heating

DSXC16

COOLING CAPACITY : 24,000 - 60,000 BTU/H

HIGH-EFFICIENCY SPLIT SYSTEM AIR CONDITIONER UP TO 16 SEER



Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

Contents

Nomenclature	2
Product Specifications.....	3
Expanded Cooling Data	4
AHRI Ratings.....	20
Dimensions.....	29
Wiring Diagram	30
Accessories.....	31

Standard Features

- Two-Stage Copeland® UltraTech™ scroll compressor
- High-density foam compressor sound blanket
- ComfortNet™ Communications System compatible
- Expanded ComfortAlert™ diagnostics
- Set-up capable with two low-voltage wires to outdoor unit
- Diagnostic indicator lights and storage of six fault codes
- Color-coded terminal strip for non-communicating set-up
- High- and low-pressure switches
- Factory-installed filter drier
- Coil and ambient temperature sensors
- Two-speed, quiet condenser fan motor
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with sound control top
- Baked-on powder-paint finish with 500-hour salt-spray approval
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

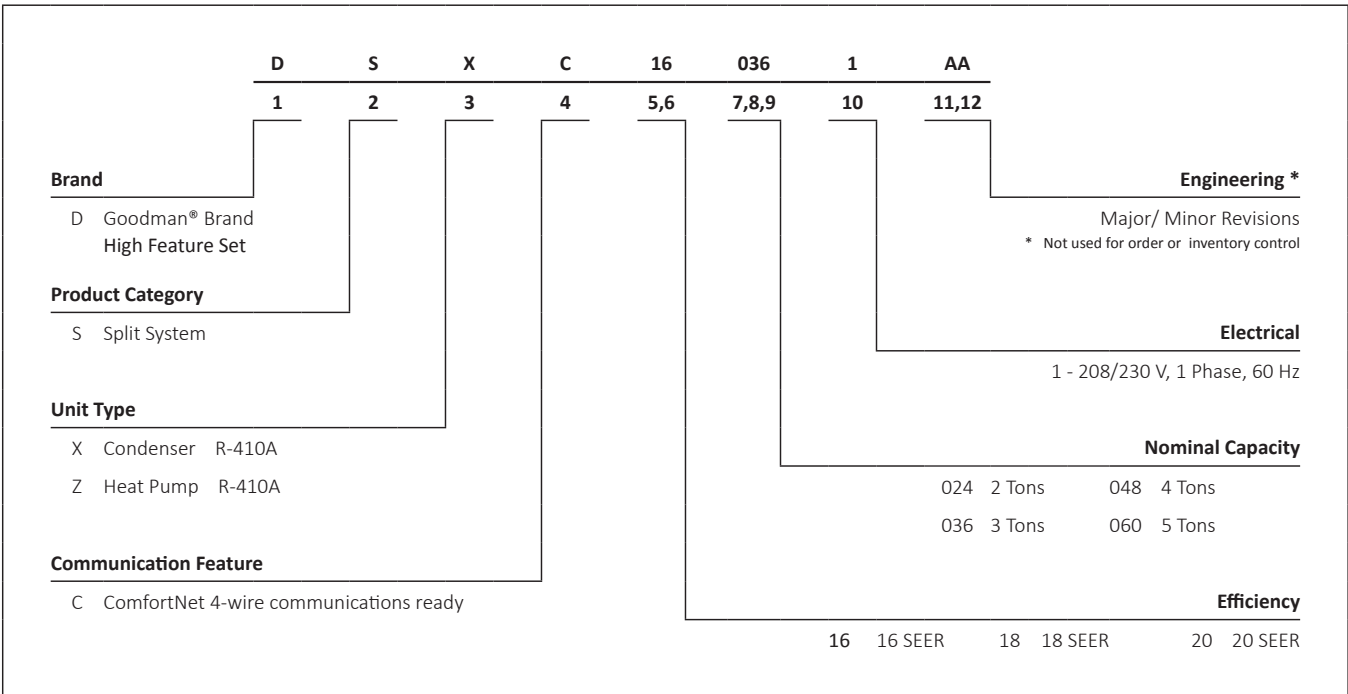
LIFETIME
COMPRESSOR
LIMITED WARRANTY*







10 YEAR
REPLACEMENT
LIMITED WARRANTY*

10 YEAR
PARTS
LIMITED WARRANTY*



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the Lifetime Compressor Limited Warranty (good for as long as you own your home), 10-Year Unit Replacement Limited Warranty and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.



	DSXC16 0241AA/B	DSXC16 0241AC	DSXC16 0241AF	DSXC16 0361AA/B	DSXC16 0361AC	DSXC16 0481B*	DSXC16 0601B*
COOLING CAPACITY							
Nominal Cooling (BTU/h)	24,000	24,000	24,000	36,000	36,000	48,000	60,000
Decibels	71	71	71	70.4/70.9	70.4/70.9	74	75
COMPRESSOR							
RLA	10.3	11.7	11.7	16.7	15.3	21.2	28.8
LRA	52.0	58.0	58.3	82.0	83.0	104.0	152.9
CONDENSER FAN MOTOR							
Horsepower (RPM)	1/6	1/6	1/6	1/6	1/6	1/6	1/6
FLA	1.1	1.1	1.1	0.9	0.9	1.2	1.0
REFRIGERATION SYSTEM							
Refrigerant Line Size ¹							
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	3/4"	7/8"	7/8"	1 1/8"	1 1/8"
Refrigerant Connection Size							
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	97	97	62	107	107	124	197
ELECTRICAL DATA							
Voltage-Hz	208/230-60	208/230-60	208/230-60	208/230-60	208/230-60	208/230-60	208/230-60
Minimum Circuit Ampacity ²	14.0	15.7	15.7	21.8	20.0	27.7	37.2
Max. Overcurrent Protection ³	20	20	25	35	35	45	60
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Power Supply	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
EQUIPMENT WEIGHT (LBS)	181	181	181	184	184	219	279
SHIP WEIGHT (LBS)	198	198	198	202	202	241	301
ENERGY STAR® CERTIFIED							NO

ENERGY STAR NOTES

- Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR criteria. Ask your contractor for details or visit www.energystar.gov.
- The www.energystar.gov website provides up-to-date system combinations certified to meet ENERGY STAR requirements. See Pages 24-25 for all ENERGY STAR certified combinations as of this document's revision date.

¹ Tested and rated in accordance with AHRI Standard 210/240

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 3/8" to 1 1/8" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT, NOT THE INDOOR COIL.

