Goodman®
Air Conditioning & Heating

DSZC16

Cooling Capacity: 24,000 - 60,000 BTU/h
Heating Capacity: 24,000 - 60,000 BTU/h

Split System Heat Pump
Up to 16 SEER & 9.5 HSPF

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ComfortNet™ CONTROL SYSTEM

ASK ABOUT ENERGY STAR

Proper sizing and installation of equipment is critical to achieve 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.

Standard Features

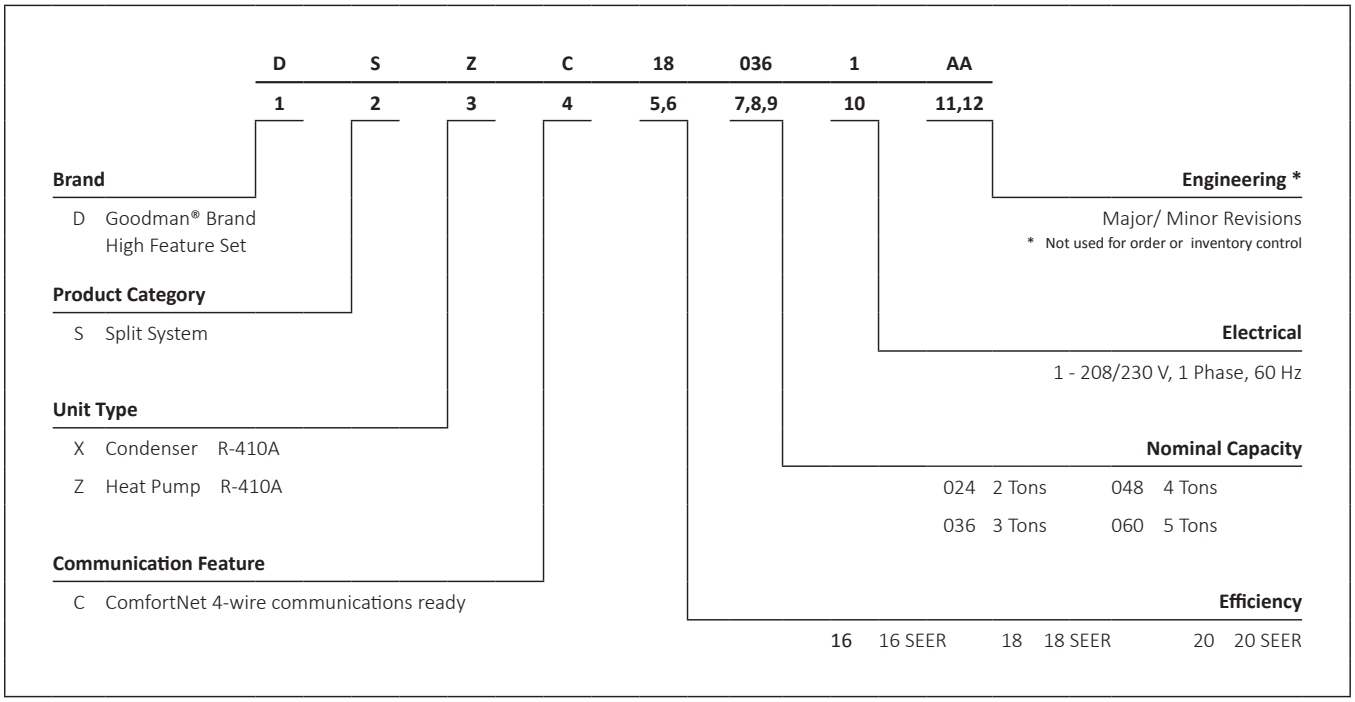
- Two-Stage Copeland® UltraTech™ scroll compressor
- High-density foam compressor sound blanket
- ComfortNet™ Communications System compatible
- Expanded ComfortAlert™ diagnostics built in
- Set-up capable with two low-voltage wires to outdoor unit
- Diagnostic indicator lights and storage of six fault codes
- Color-coded terminal strip for non-communicating set-up
- SmartShift® technology to ensure quiet, reliable defrost
- Factory-installed bi-flow liquid-line filter drier
- Factory-installed suction-line accumulator
- Factory-installed compressor crankcase heater
- Factory-installed high-capacity muffler
- Factory-installed coil and ambient temperature sensors
- High- and low-pressure switches
- Fully charged for 15’ of tubing length
- Two-speed quiet condenser fan motor
- Sweat connection service valves with easy access to gauge ports
- AHRI Certified; ETL Listed

Cabinet Features

- Goodman® brand sound control top design
- Heavy-gauge galvanized-steel cabinet
- Appliance-quality powder-paint finish with 500-hour salt-spray approval
- Wire fan discharge grille
- Steel louver coil guard
- Rust-resistant coated screws
- Compact footprint
- 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 UNIT REPLACEMENT LIMITED WARRANTY* | 10 YEAR PARTS LIMITED WARRANTY*

* Complete warranty details available from your local dealer or at www.goodmamfg.com. To receive the Lifetime Compressor Limited Warranty (good for as long as you own your home), 10-Year Unit 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.


D S Z C 18 036 1 AA
1 2 3 4 5,6 7,8,9 10 11,12
Brand
D Goodman® Brand High Feature Set
Product Category
S Split System
Unit Type
X Condenser R-410A
Z Heat Pump R-410A
Communication Feature
C ComfortNet 4-wire communications ready
Engineering *
Major/ Minor Revisions
* Not used for order or inventory control
Electrical
1 - 208/230 V, 1 Phase, 60 Hz
Nominal Capacity
024 2 Tons
036 3 Tons
048 4 Tons
060 5 Tons
Efficiency
16 16 SEER
18 18 SEER
20 20 SEER

	DSZC16 0241A	DSZC16 0361A	DSZC16 0481A	DSZC16 0601B
CAPACITIES AND RATINGS				
Nominal Cooling (BTU/h)	24,000	36,000	48,000	60,000
Nominal Heating (BTU/h)	24,000	36,000	48,000	60,000
Decibels	72	73	74	75
COMPRESSOR				
RLA	11.7	15.3	21.2	28.8
LRA	58.3	83.0	104.0	152.9
CONDENSER FAN MOTOR				
Horsepower	1/6	1/6	1/6	1/6
FLA	1.2	1.2	1.2	1.2
REFRIGERATION SYSTEM				
Refrigerant Line Size[1]				
Liquid Line Size ("O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Line Size ("O.D.)	¾"	⅞"	1⅛"	1⅛"
Refrigerant Connection Size				
Liquid Valve Size ("O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Valve Size ("O.D.)	¾"	⅞"	⅞"	⅞"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	153	203	263	273
Shipped with Orifice Size	NA	NA	NA	NA
ELECTRICAL DATA				
Volts -Hz	208/230-60	208/230-60	208/230-60	208/230-60
Minimum Circuit Ampacity [2]	15.8	20.3	27.7	37.2
Max. Overcurrent Protection [3]	25	35	45	60
Min / Max Volts	197/253	197/253	197/253	197/253
Power Supply Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
UNIT WEIGHTS				
Equipment Weight	190	233	305	309
Ship Weight (lbs)	208	255	327	331
ENERGY STAR CERTIFIED ^	ENERGY STAR	ENERGY STAR	ENERGY STAR	ENERGY STAR

^ Proper sizing and installation of equipment is critical to achieve 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 Page 22 for all ENERGY STAR-certified combinations as of this document's revision date.

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

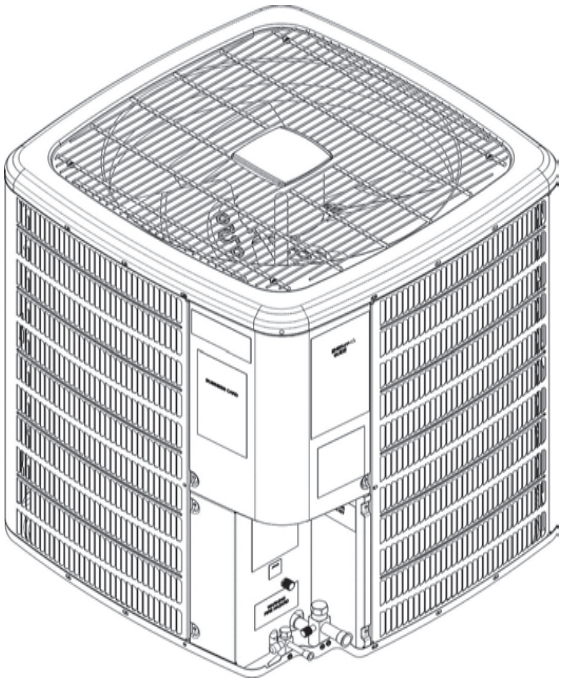
[2] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

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

NOTES

- Always check the rating plate for electrical data on the unit being installed.
- Installer will need to supply ⅞" to 1⅛" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅜" 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.

ECN	REV	ZONE	DESCRIPTION	CHK	D	DATE
XXXXXXX	A	XXXXX		–	GL	



MODEL	DIMENSIONS		
	W"	D"	H"
DSZC160241A*	29	29	38¼
DSZC160361A*	35½	35½	38¼
DSZC160481A*	35½	35½	38¼
DSZC160601A*	35½	35½	38¼
DSZC160601B*	35½	35½	38¼

SPECIAL CHARACTERISTICS:

6S = 6SIGMA CC = CRITICAL CHARACTERISTIC SC = SIGNIFICANT CHARACTERISTIC

COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODMAN MSP 824.01 WORKMANSHIP STANDARD FOR FIT, FEEL AND FINISH.

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Goodman Manufacturing Co., LP

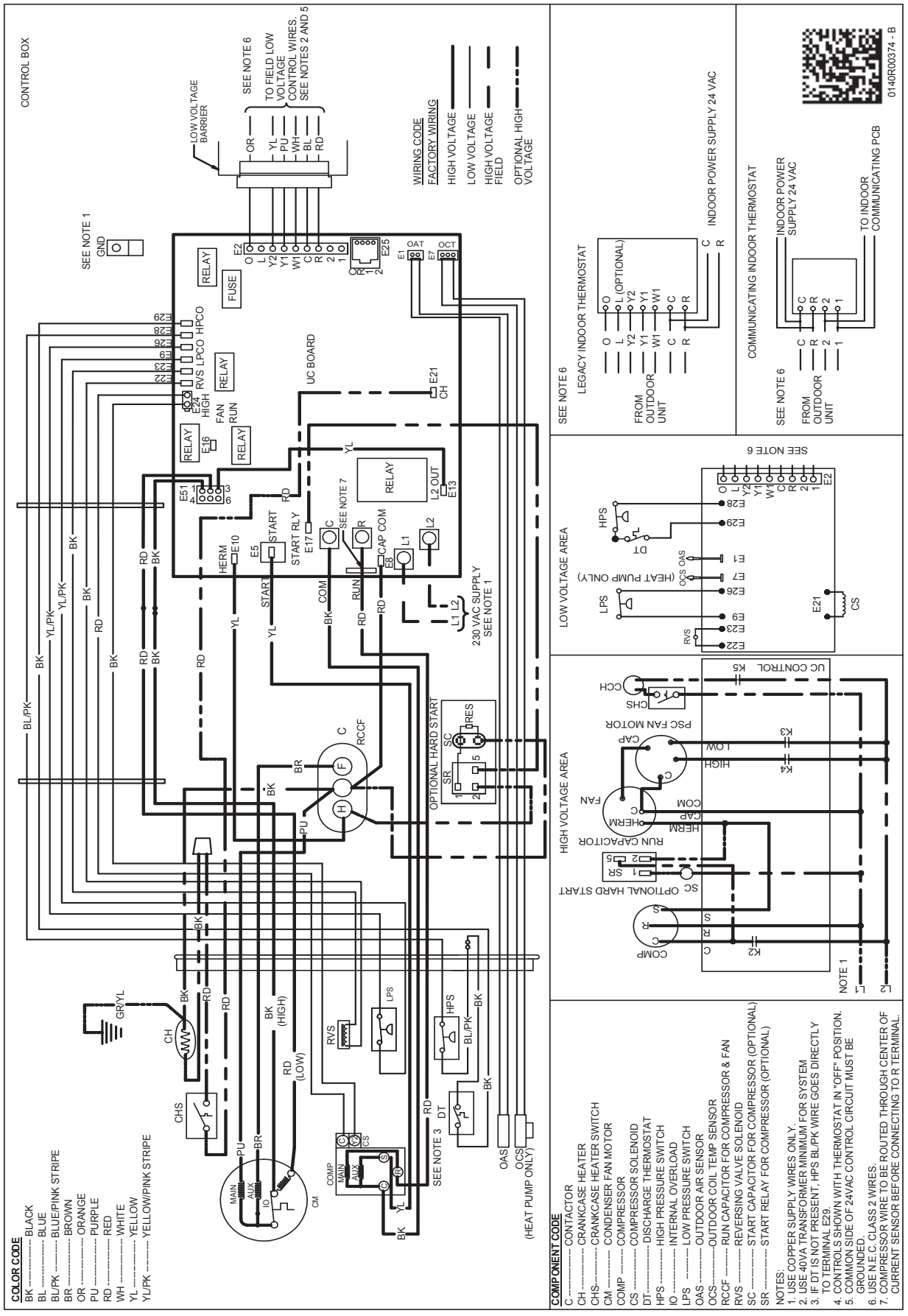
DRAWING TO BE INTERPRETED IN ACCORDANCE WITH ASME Y14.100

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

DSZC16

TOLERANCES: ANGLES ± 1.5° X : ± .1 XX : ± .03 .XXX : ± .015 HOLE Ø : ± .005 TUBE CUT LG: ± .063

DWN BY: | ENG: | DO NOT SCALE DRAWING | SHT 1 OF 1 | REV A



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.