

COOLING CAPACITY: 17,000 - 57,000 BTU/H

HIGH-EFFICIENCY
SPLIT SYSTEM AIR CONDITIONER
UP TO 16 SEER / 1½ TO 5 TONS



Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data	4
AHRI Ratings	24
Dimensions	62
Wiring Diagrams	63
Accessories	65

Standard Features

- High-efficiency Copeland® scroll compressor
- High-density foam compressor sound blanket
- Advanced Copeland® CoreSense™ Technology
- Single-speed ECM condenser fan motor
- Factory-installed filter drier
- Copper tube / enhanced aluminum fin coil
- Sweat connection service valves with easy access to gauge ports
- AHRI Certified; ETL Listed

Cabinet Features

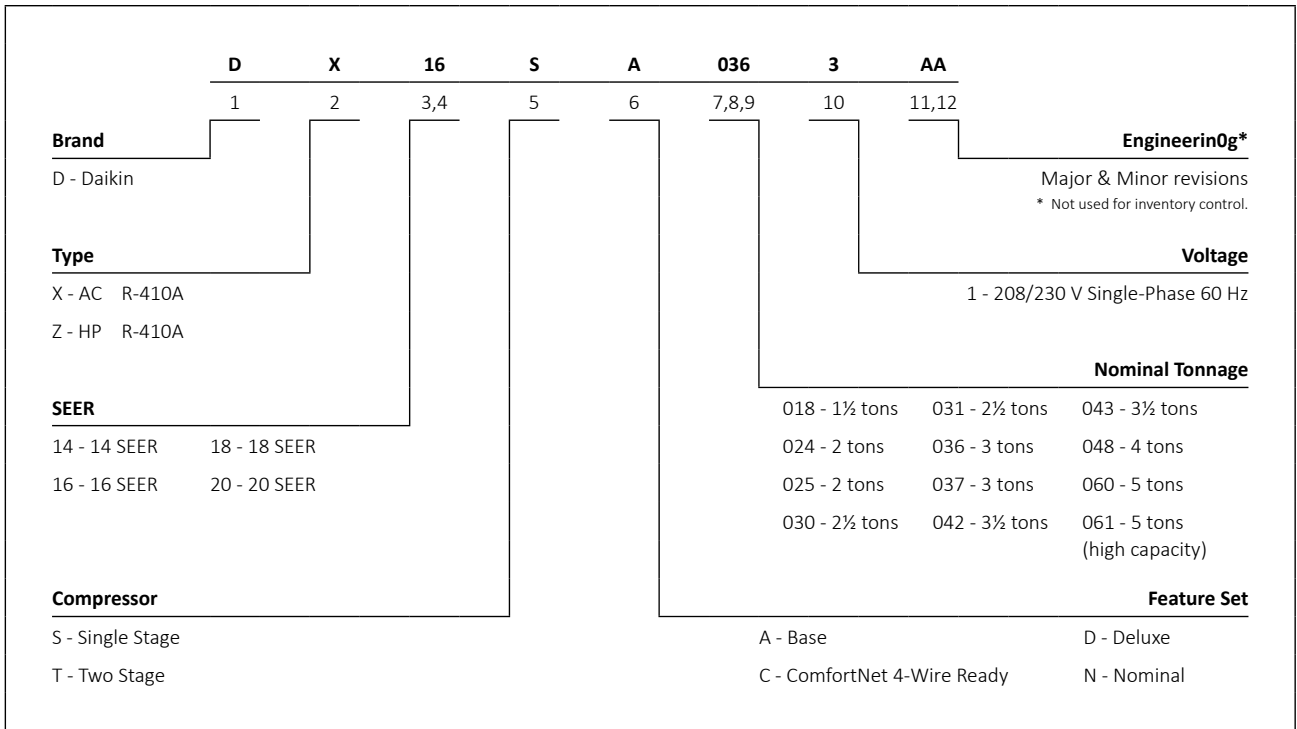
- Heavy-gauge galvanized steel cabinet with grille-style sound control top
- Custom Nickel Gray powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Rust-resistant coated screws
- Top and side maintenance access
- Single-panel access to controls with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












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.



* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 6-Year Unit Replacement Limited Warranty and 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.



	DX16SA 0181A*	DX16SA 0241A*	DX16SA 0301A*	DX16SA 0311A*	DX16SA 0361A*	DX16SA 0371A*	DX16SA 0421A*	DX16SA 0481A*	DX16SA 0601A*	DX16SA 0611A*
CAPACITIES										
Nominal Cooling (BTU/h)	18,000	23,600	29,000	30,000	34,800	36,000	42,000	45,500	54,000	57,000
Decibels	71.5	71.5	71.5	71.5	71.5	73	73	73	73	73
COMPRESSOR										
RLA	9.0	13.5	12.8	12.8	14.1	15.4	17.9	17.9	21.4	25
LRA	46	58.3	64	64	77	83.9	112	112	135	134
CONDENSER FAN MOTOR										
Horsepower	1/6	1/6	1/6	1/6	1/6	1/6	1/6	1/4	1/3	1/4
FLA	0.95	0.95	0.95	0.95	0.95	0.95	0.95	1.30	2.80	1.30
REFRIGERATION SYSTEM										
Refrigerant Line Size										
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
Refrigerant Connection Size										
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge (oz.)	78	70	78	94	94	93	110	121	237	125
ELECTRICAL DATA										
Voltage / Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1
Minimum Circuit Ampacity ²	12.2	17.8	17.0	17.0	18.6	20.2	23.3	23.7	28.3	32.6
Max. Overcurrent Protection ³	20	30	25	25	30	35	40	40	50	50
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	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"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
EQUIPMENT WEIGHT (LBS)	145	142	149	161	162	182	206	219	279	291
SHIP WEIGHT (LBS)	163	160	167	179	180	204	228	241	301	314
ENERGY STAR® CERTIFIED ^										NO

^ ENERGY STAR NOTES

- 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 24 for all ENERGY STAR certified combinations as of this document's revision date.

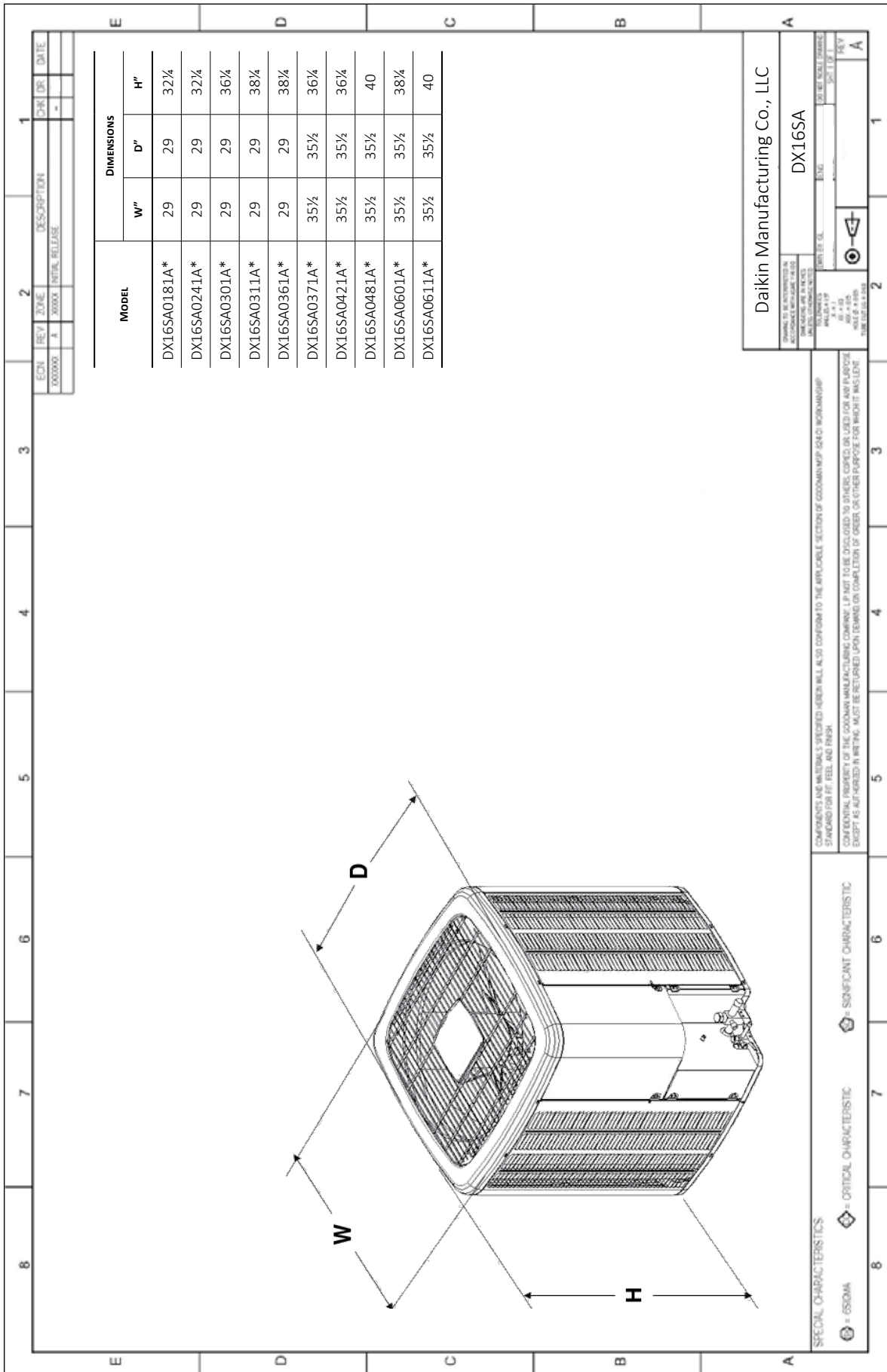
¹ Tested and rated in accordance with AHRI Standard 210/240

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 7/8" to 1 1/2" 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.



ECN	REV	ZONE	DESCRIPTION	CHK'D	DATE
00000	A	XXXX	INITIAL RELEASE	-	-

MODEL	DIMENSIONS		
	W"	D"	H"
DX16SA0181A*	29	29	32 1/4
DX16SA0241A*	29	29	32 1/4
DX16SA0301A*	29	29	36 1/4
DX16SA0311A*	29	29	38 1/4
DX16SA0361A*	29	29	38 1/4
DX16SA0371A*	35 1/2	35 1/2	36 1/4
DX16SA0421A*	35 1/2	35 1/2	36 1/4
DX16SA0481A*	35 1/2	35 1/2	40
DX16SA0601A*	35 1/2	35 1/2	38 1/4
DX16SA0611A*	35 1/2	35 1/2	40

Daikin Manufacturing Co., LLC

DX16SA

DAIKIN MANUFACTURING CO., LLC
 10000 W. CENTURY BLVD.
 SUITE 1000
 DENVER, CO 80231
 TEL: 303.751.1000
 FAX: 303.751.1001
 WWW.DAIKIN.COM

REVISIONS
 DATE
 BY
 CHECKED BY
 DATE

SCALE OF DRAWING
 1/4" = 1'-0"

1/8" = 1'-0"

1/2" = 1'-0"

3/4" = 1'-0"

1" = 1'-0"

COMPONENTS AND MATERIALS SPECIFIED HEREIN WILL ALSO CONFORM TO THE APPLICABLE SECTION OF GOODRUM/MPF (S&O) WORKMANSHIP STANDARD FOR FF, FEEL AND FINISH.

CONFIDENTIAL PROPERTY OF THE GOODRUM MANUFACTURING COMPANY. IF NOT TO BE DISCLOSED TO OTHERS, CANCEL UNLESS FOR ANY PURPOSE EXCEPT AS AFT-KERIED IN WRITING. MUST BE RETURNED UPON COMPLETION OF ORDER OR OTHER PURPOSE FOR WHICH IT WAS LEASED.

SPECIAL CHARACTERISTICS

- ⊗ = 650DMA
- ⊕ = CRITICAL CHARACTERISTIC
- ⊕ = SIGNIFICANT CHARACTERISTIC