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Submittal

Job Name: SG- Southport
Location: Chicago, IL
Customer:
Engineer: Everj Engineering
NSW Job no: 1008750
Plan Dates: 11-05-2023
Date: 11-27-2023
Submitted By: Paul Romero

WE RESPECTFULLY SUBMIT THE FOLLOWING FOR YOUR APPROVAL.





Daikin Split System Furnaces

Model: (4) DX4SEA4810-CHPT4860D4-DM97MC0804CN Tags: AHU/CU-1, 2, 3, 4

Complete with the following features:

- Cooling only condensing unit, 208/60/1
- Horizontal cased evaporator coil
- Two-Stage, Variable-Speed ECM, communicating Gas Furnace, 80k BTU/h, Upflow/Horizontal, 115/60/1
- Freeze stat kit
- Low ambient kit
- Anti short cycle kit
- Hard start kit
- 3" concentric gas vent

Exclusions: Wind buffer, filter box, isolation, condensate overflow switch, rigging, labor warranty, start up, special coatings, disconnects, convenience outlets, airflow measuring stations, thermostats, smoke detectors, hot gas reheat, high SCCR rated panels, any additional items not specifically mentioned above.

							Outdoor Unit		Indoor Unit		Furnace	AHRI Certified Ratings - AHRI 210/240 - 2017					AHRI Certified Ratings - AHRI 210/240 - 2023												
AHRI Certified Reference Number	Old AHRI Reference Number	Model Status	Manufacturer Type	AHRI Type	Phase	Series Name	Brand Name	Model Number (Condenser or Single Package)	Brand Name	Model Number (Evaporator and/or Air Handler)	Model Number	Cooling Capacity (A2) - Single or High Stage (95F),btuh	EER (A2) - Single or High Stage (95F)	IEER	SEER	Indoor Full-Load Air Volume Rate (A2 SCFM)	Indoor Cooling Intermediate Air Volume Rate (Ev SCFM)	Indoor Cooling Minimum Air Volume Rate (B1 SCFM)	Cooling Capacity (AFull) - Single or High Stage (95F),btuh	EER2 (AFull) - Single or High Stage (95F)	SEER2	Total Cooling Full Load Air Volume Rate (SCFM)	Designated Tested Combination	Sold in?	Region	Energy Guide Label	Labeled ENERGY STAR?	Potential Eligibility for IRA Tax Credit	Is Rerated
209067718		Active	Systems	RCUY-A-CB	1	DX4SE	DAIKIN	DX4SEA4810A*		CHPT4860D4A*	DM97MC0804CN					1420			45000	11.7	14.5	1420	No	USA, Canada	All		No	No	



Submittal Data Sheet

14.3 SEER2 AC, 4.0 ton

DX4SEA4810

STANDARD FEATURES

- High-efficiency Copeland® scroll compressor
- Advanced Copeland® CoreSense™ Technology
- Copper tube/enhanced aluminum fin coil -5mm diameter on 1.5-3.0T
- High-density foam compressor sound blanket
- Factory-installed bi-flow line filter drier
- High- and low-pressure switches
- Service valves with sweat connections and easy access to gauge ports
- Fully charged for 15â€™™ of tubing length
- AHRI Certified
- ETL Listed

CABINET FEATURES

- Removal grille-style top design compliant with UL 60335-2-40
- Venturi for increased velocity of airflow
- 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 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)





Submittal Data Sheet

14.3 SEER2 AC, 4.0 ton

DX4SEA4810

PERFORMANCE COMBINATION (HSVTC)

* VALUES SHOWN ARE FOR AHRI RATED HIGH SALES VOLUME TESTED

Outdoor Unit Model No.	DX4SEA4810	Outdoor Unit Name:	14.3 SEER2 AC, 4.0 ton
Rated Cooling Conditions:	Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): / 95	Rated Heating Conditions:	Indoor (°F DB/WB): / Ambient (°F DB/WB): /
* EER:		* EER2:	11.70
* SEER:		* SEER2:	13.80
* Rated Cooling Capacity (Btu/hr):	45,500		

OUTDOOR UNIT DETAILS

Power Supply (V/Hz/Ph):	208/230 / 60 / 1	Compressor Type:	Single Stage
Min. Circuit Amps MCA (A):		Suction Valve Connection Size (inch):	
Max Overcurrent Protection (MOP) (A):	45	Liquid Valve Connection Size (inch):	3/8
Rated Load Amps RLA(A):	19.9	Sound Power (High) (dBA):	73
Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	-
Holding Refrigerant Charge (ozs):	180	Heating Operation Range (°F DB):	-
Additional Charge (ounces/ft):		Max. Pipe Length (Vertical) (ft):	
Pre-charge Piping (Length) (ft):	15	Min. Cooling Range w/Baffle (°F DB):	
Max. Pipe Length (Total) (ft):		Min. Heating Range w/Baffle (°F DB):	
Net Weight (lb):	260	Gross Weight (lb):	282
Dimensions (HxWxD) (in):	36.5 x 35.5 x 35.5		

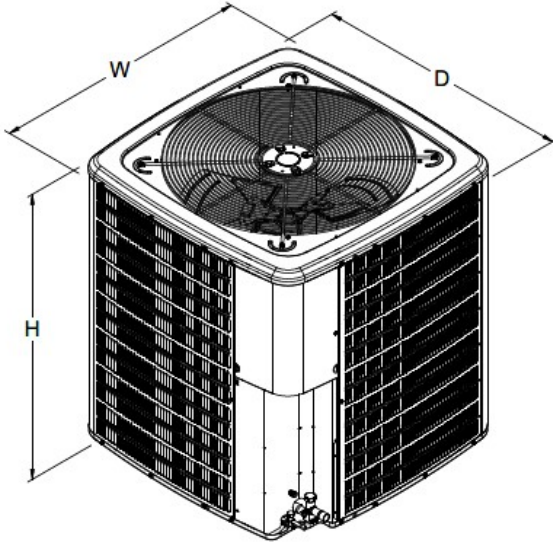


Submittal Data Sheet

14.3 SEER2 AC, 4.0 ton

DX4SEA4810

DIMENSIONAL DRAWING



MODEL	DIMENSIONS		
	W"	D"	H"
DX4SEA1810A*	26	26	27
DX4SEA2410A*	29	29	32
DX4SEA3010A*	35½	35½	39½
DX4SEA3610A*	35½	35½	39½
DX4SEA4210A*	35½	35½	36½
DX4SEA4810A*	35½	35½	36½
DX4SEA6010A*	35½	35½	41½

CHPTA, CHPT— CASED HORIZONTAL INDOOR COILS

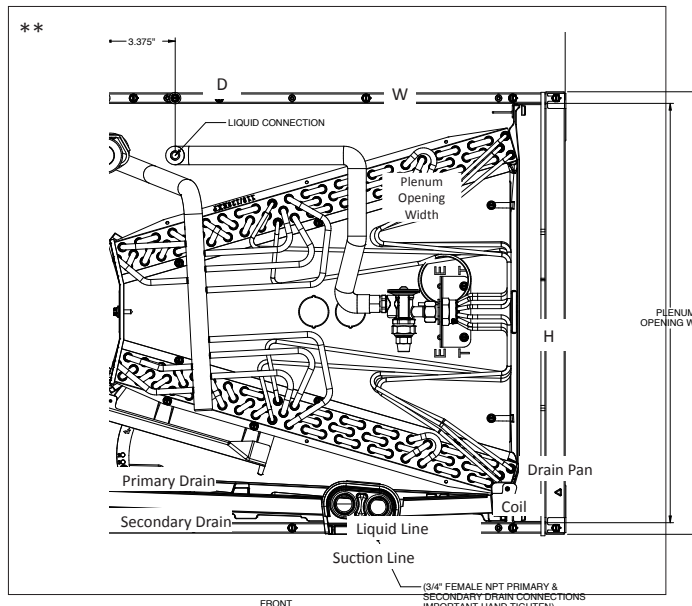
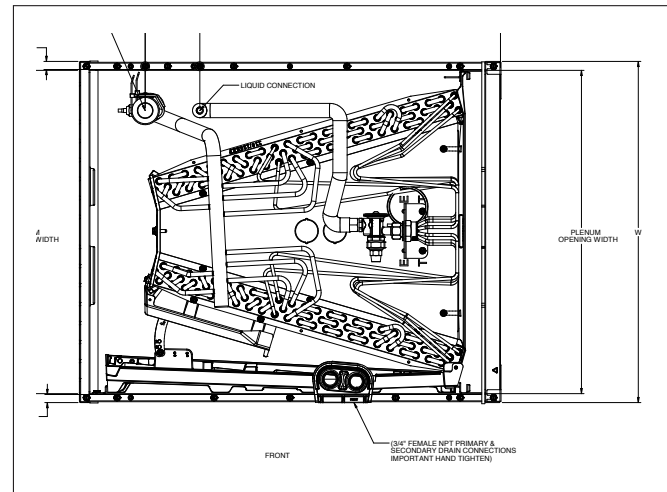
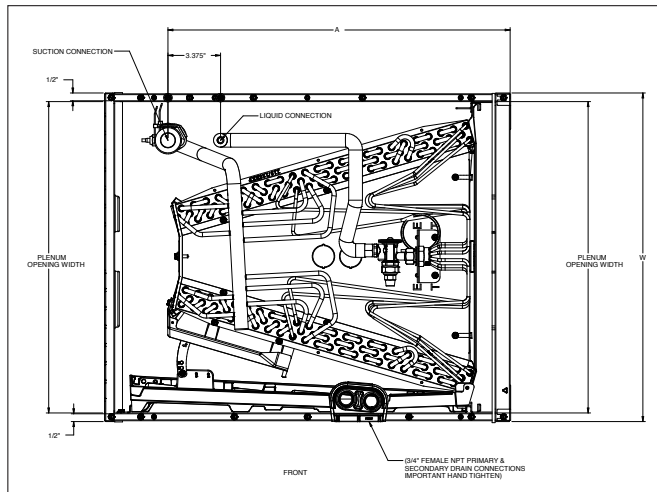


SPECIFICATIONS

MODEL	CABINET DIMENSIONS			NOMINAL TONS	CONNECTION		SHIP WEIGHT (LBS)
	W	D	H		LIQUID	SUCTION	
CHPTA1822A4	22"	21"	14"	1½	¾"	¾"	48
CHPTA1822B4	22"	21"	17½"	1½	¾"	¾"	52
CHPTA2426B4	26"	21"	17½"	2	¾"	7⁄8"	57
CHPTA2426C4	26"	21"	21"	2	¾"	7⁄8"	59
CHPTA3026B4	26"	21"	17½"	2½	¾"	7⁄8"	61
CHPTA3026C4	26"	21"	21"	2½	¾"	7⁄8"	64
CHPTA3630B4	30"	21"	17½"	3	¾"	7⁄8"	66
CHPTA3630C4	30"	21"	21"	3	¾"	7⁄8"	70
CHPT4860D4**	26"	21½"	24½"	3½-5	¾"	7⁄8"	81

Note: For a properly matched system and piston sizing information, refer to Daikin piston kit chart of the corresponding Daikin outdoor unit.

DIMENSIONS





Submittal Data Sheet

Modulating, Variable-Speed ECM, communicating Gas Furnace, 80k BTU/h
DM97MC0804CN

STANDARD FEATURES

- Compatible with the Daikin One+ smart thermostat and other Daikin communicating equipment
- Heavy-duty stainless-steel tubular heat exchanger
- Stainless-steel secondary heat exchanger
- Self-calibrating modulating gas valve auto-configure for each installation
- Durable Silicon Nitride igniter
- Quiet variable-speed induced draft blower
- Self-diagnostic control board with constant memory fault code history output to a dual 7-segment display
- Color-coded low-voltage terminals with provisions for electronic air cleaner and humidifier
- Efficient and quiet variable-speed airflow system gently ramps up or down according to heating or cooling demand
- Multiple continuous fan speed options offer quiet air circulation
- Auto-Comfort and enhanced dehumidification modes available
- All models comply with California 40 ng/J Low NOx emissions standard



CABINET FEATURES

- Designed for multi-position installation. DM97MC: upflow, horizontal left or right
- Certified for direct vent (2-pipe) or non-direct vent (1-pipe)
- Easy-to-install top venting with optional side venting
- Convenient left or right connection for gas and electrical service
- Cabinet air leakage (QLeak) less than 2%
- Heavy-gauge steel cabinet with durable finish
- Fully insulated heat exchanger and blower section
- Airtight solid bottom or side return with easy-cut tabs for effortless removal in bottom air-inlet applications



NOTES

- Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the Lifetime Heat Exchanger Limited Warranty (good for as long as you own your home), the 12-Year Unit Replacement Limited Warranty and the 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.



Submittal Data Sheet

Modulating, Variable-Speed ECM, communicating Gas Furnace, 80k BTU/h
DM97MC0804CN

PERFORMANCE

Product Model No.	DM97MC0804CN	Product Model Name:	Modulating, Variable-Speed ECM, communicating Gas Furnace, 80k BTU/h
AFUE % Rating:	98%	Rated Heating Capacity (Btu/hr):	80,000
Temperature Rise Range (°F) (Low/High):	/	Furnace Input Capacity (Btu/hr):	80,000
Rated External Static Pressure - inWG:	0.5	Furnace Output Capacity (Btu/hr):	77,600
Blower Speed (RPM):	1,075	Blower Motor Rating (HP):	3/4
Blower Input Power (kW):	1.28	Blower Available AC Tonnage (L/H):	1.50 / 4.00

PRODUCT DETAILS

Power Supply (V/Hz/Ph):	115 / 60 / 1	Airflow Rate (High) (CFM):	1600
Min. Circuit Amps MCA (A):	11.4	Motor Type:	Variable Speed ECM
Max Overcurrent Protection (MOP) (A):	15.0	Gas Valve Type:	Modulating
Dimensions (HxWxD) (in):	34-1/2 x 21 x 28-7/8	Installation Configuration:	Upflow/Horizontal
Number of Burners:	4	Blower Size Diameter (inch):	11
Heating Vent Diameter in. (Min/Max):	/	Blower Size Width (inch):	10
Condensate Connection (inch):		Sound Pressure () (dBA):	
Net Weight (lb):	142	Gross Weight (lb):	140

