



Excel® DD5X5FRW

Dairy / Delicatessen

Self-Contained

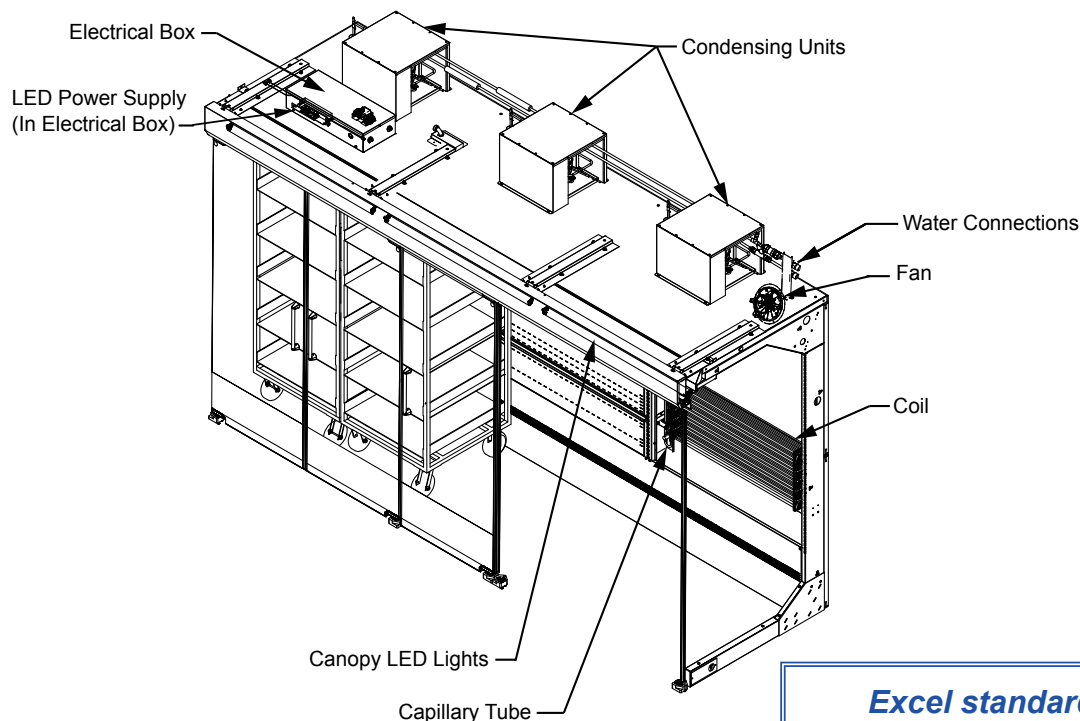
R290 (Propane)

Merchandise Data Sheet

P/N 3051055_F

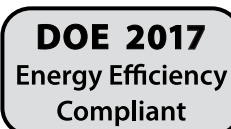
UL EPH® Certified

February 2019



Portion of parts removed for clarity.

5-Door merchandiser shown.



Excel standard electrical connections are at the top of the merchandiser

IMPORTANT

ONE FLOOR DRAIN IS REQUIRED FOR EACH CASE.

UL EPH Certification

This merchandiser model is manufactured to meet ANSI/SCC Standards requirements for construction, materials, and cleanability.

Performance Data

Product Data (AHRI Statistics)

Cross Section

Plan View

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Door Assembly

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Data sheet-Excel DD5X5FRW

We reserve the right to change or revise specifications and product design in connection with any feature of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

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Refrigeration Data ¹

DD5X5FRW		Optimal Conditions	
Application		Dairy/Deli	
		Cut In	Cut Out
5-Door Case	Discharge Air °F (°C)	33 (0.5)	30 (-1.1)
	Average Evaporator °F (°C)	24.2 (-4.3)	
Fan Speed ²	DD5X5FRW (7")	1800 ²	

Notes:

1. All data based on store temperature and humidity that does not exceed NSF Type 1 ambient conditions of 75°F and 55% relative humidity, except where noted.
2. Some lengths and/or applications require optional fan speed control kits applied by the Hussmann Product Configurator.
3. Water supply design conditions are 80°F (26.6°C).

Compressor Data

Total Heat of Rejection	BTU/Hr
5-Door	11,700

DD5X5FRW

Cooling Water Pressure Drop ⁴

PSI

5 Dr	13
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⁴ Auto-Balancing Valve requires a minimum of 2 PSI to operate. Subtract 2 PSI if the Auto-Balancing Valve is not supplied.

DD5X5FRW

Glycol/Water Flow Rate ⁵

GPM LPM

5-Door	4.0	15.1
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Charge ⁶

5-Door	0.33 lb	5.29 oz	149.7 g
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⁵ Use a pre-mixed inhibited glycol solution. If the mixing is to be done on site, use only distilled or de-ionized water (do not use city water).

⁶ Maximum charge per condensing unit = 150 g.

Defrost Data

Frequency (hours between defrost)	12
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OFFTIME	DD5X5FRW
Time (minutes)	60

ELECTRIC OR GAS	Not Available
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Defrost Water ⁴	.85 lb/ft/day (1.26 kg/m)
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⁴ (± 15% based on case configuration and product loading).

Product Data

Gross Refrigerated Volume ⁷ (Cu Ft/Ft)	20.46 ft ³ /ft (0.87 m ³ /m)
AHRI Total Display Area ⁸ (Sq Ft/Ft)	5.32 ft ² /ft (0.49 m ² /m)

⁷ AHRI Gross Refrigerated Volume: Refrigerated Volume/Unit of Length, ft³/ft [m³/m]

⁸ Computed using AHRI 1200 standard methodology: Total Display Area, ft² [m²]/Unit of Length, ft [m]



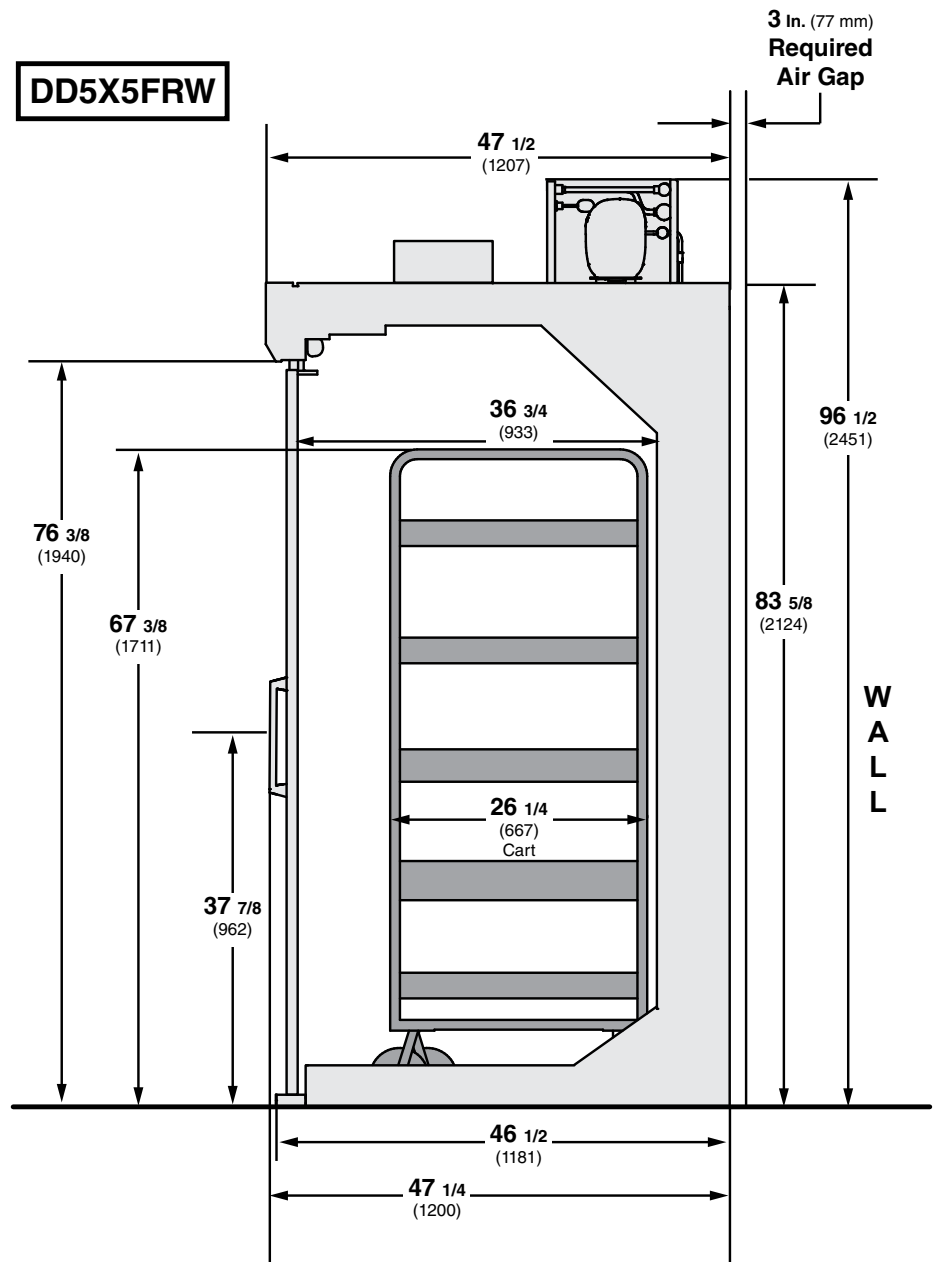
Husmann refrigerated merchandisers configured for sale for use in the United States meet or surpass the requirements of the DOE 2017 energy efficiency standards.

Dimensions shown as in. and (mm).

A minimum 1 1/2-in. clearance required to remove raceway cover, 6 1/2-in. for full access. See the Installation manual for instructions.

Allow 25 3/4-in for door swing.

3-in. between back to back cases.



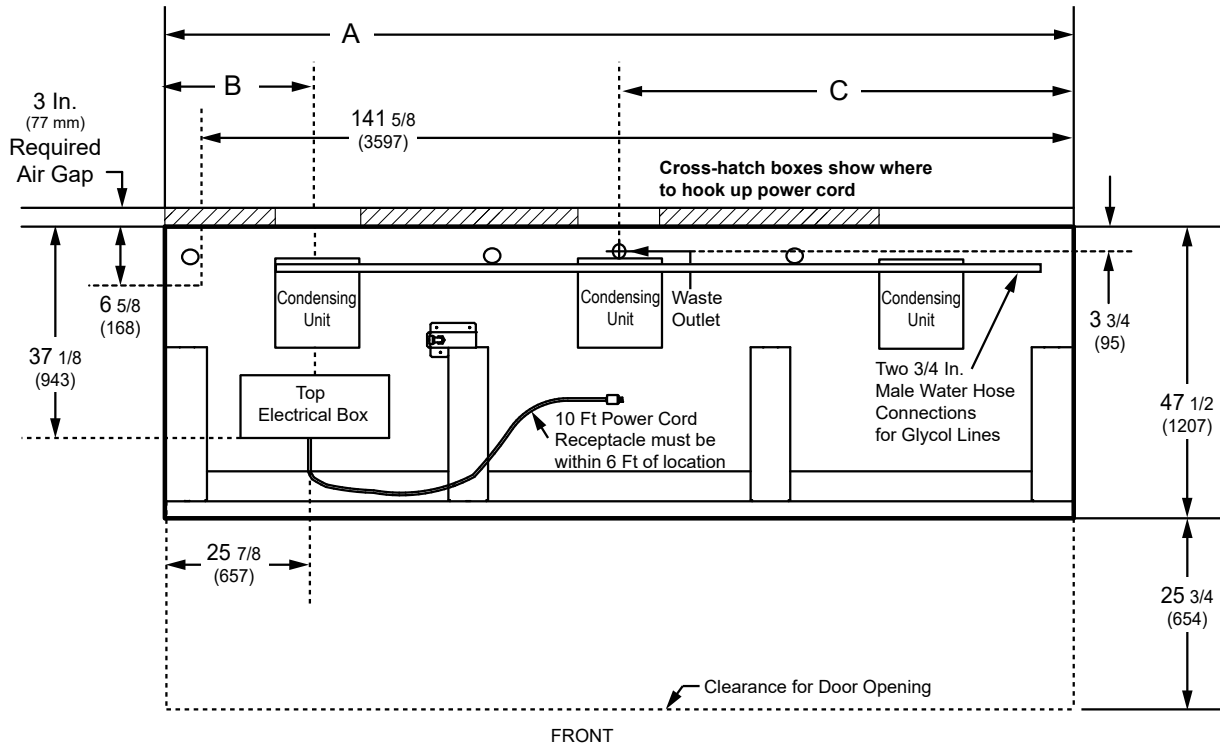
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Engineering Plan View

DD5X5FRW

Dimensions shown as in. and (mm).



(5-Door Model shown above)

	5-Door
General	
(A) Case Length (without ends or partitions) (Each end and insulated partition adds 1 1/2 in. (38 mm) to case line up.)	147 3/4 (3753)
Maximum O/S dimension of case back to front (includes bumper)	47 1/2 (1207)
Electrical Service (Field Electrical Wiring Connection)	
(B) LH End of case to center of Electrical Wiring Connection (top of case)	25 7/8 (657)
Back of case to front of Electrical Wiring Connection	37 1/8 (943)
Length of electrical wireway	25 1/4 (641)
Waste Outlets (One at each end)	
(C) RH End of case to the center of waste outlet	73 7/8 (1876)
Back O/S of case to center of waste outlet(s)	3 3/4 (95)
Schedule 40 PVC drip pipe	1 1/4 (32)

Electrical Data

Number of Fans

7-in.

5-Door

6

Evaporator Fan

120V 60Hz Energy Efficient

Amperes

5-Door

0.96

Watts

5-Door

61.8

Condensing Unit (120V, 1 ph, 60 Hz) Standard

NOTE: One compressor can start at a time.

Compressor RLA

27

Compressor LRA

44/unit

NEMA Plugs



Merchandiser Circuit Requirements (120V, 1 Ph, 60 Hz)

Total Amps

28.8

MCA

31.05

Maximum Over Current Protection

50

HUBBLE CS6361C
OR EQUIVALENT
50A 125V UL/CSA

Electrical Plug - NEMA

HUBBLE CS6361C or equivalent 50A 125V UL/CSA

ONLY LIGHTING CONFIGURATIONS THAT ARE COMPLIANT WITH THE U.S. DEPT. OF ENERGY (DOE) 2017 REGULATION ARE AVAILABLE FOR SALE FOR USE IN THE U.S.A.

STANDARD LIGHTING

EcoShine II Canopy

1 Row EcoShine II HO

Amperes

5-Door

0.84

Watts

5-Door

100.8

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ENDS or PARTITIONS

Each standard end and each insulated partition adds 1 1/2 in. (38 mm) to case line up. Optional view end with end bumper adds 3 3/4 in. (95 mm).

PHYSICAL DATA

Merchandiser Drip Pipe (in.) 1 1/4
Schedule 40 PVC

ESTIMATED SHIPPING WEIGHT †

Case

5-Door

lb (kg)

1010 (458)

† Actual weights will vary according to optional kits included.

Shelf Options

Not Applicable

Replacement Parts List

Part #	Description	Part #	Description
FAN ASSEMBLIES		CORELINK CONTROL	
5-Door		0554376	CoreLink Controller SB49M
Standard HE Fan Assembly		3013759	Discharge Air Sensor
0535562	ECS1023 7-in. Fan Assembly	0005226	Compressor Discharge Sensor
0534013	Fan Speed Selector	3010346	Transformer
0534366	Fan Speed Key 1800 RPM	3038707	Switch - TGL DPST 15A
		3047351	Breaker - Panel Mount 20 AMP
LED FIXTURES AND POWER SUPPLY		DOORS	
3018291	Power Supply	3037430	Door Assembly Right
	LED Canopy Fixture	3037431	Door Assembly Left
	<i>Replace with like fixtures.</i>	3037552	Door Handle
COILS		3053841	Door Dampener
0547187	5-Door		
HONEYCOMB - GRAY		OTHER	
3050275	6 x 1 x 24.06	3051962	High Pressure Limit Switch
		3042708	Compressor - R290 115V 3400 BTU-PRPN
RELAYS		3031242	Heat Exchanger
3047275	LED	0527748	Strainer, Water
3049121	Fans	3040940	Balancing Valve, 4.0 GPM
3050554	Compressors	0530462	Filter/drier
		3046069	Capillary Tube (.055 I.D. x 84-in. long)

NOTE: For LED lighting parts contact your Hussmann service representative at 1-800-922-1919. Please have your model and serial number available. Descriptions including size and color are at [HTTP://WWW.HUSSMANN.COM/EN/PRODUCTS/LED-LIGHTING/PAGES/DEFAULT.ASPX](http://www.hussmann.com/en/products/led-lighting/pages/default.aspx).

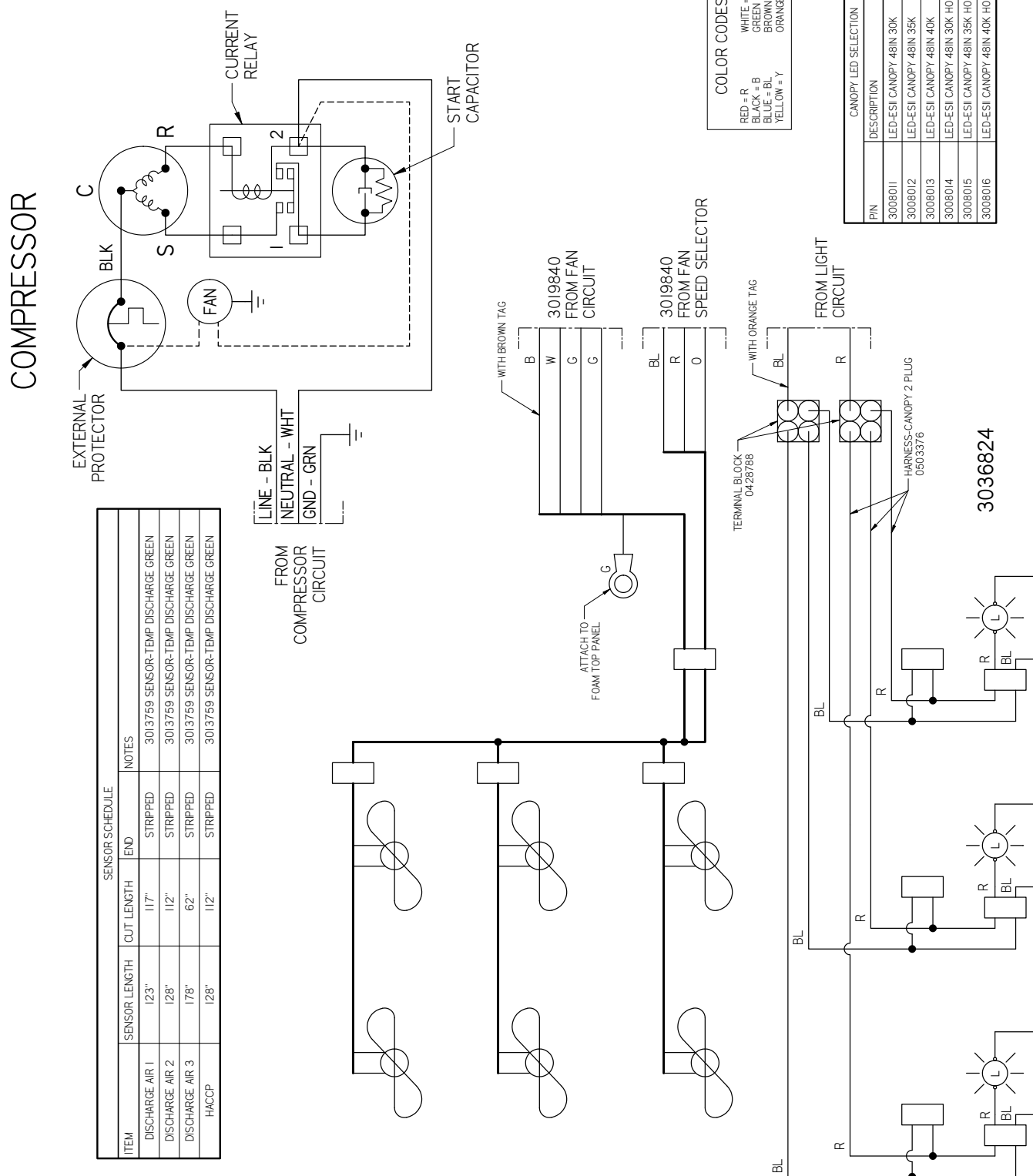
NOTE: For door parts information see page 10 or P/N 3053878, Micro-Distributed Low Temperature Roll-In (DD5X5FRW) with R-290 (Propane) Refrigerant manual.

FOR ADDITIONAL PARTS INFORMATION, VISIT
[HTTP://WWW.HUSSMANN.COM/EN/PAGES/AFTERMARKET-PARTS.ASPX](http://www.hussmann.com/en/pages/aftermarket-parts.aspx)

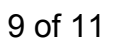
COLOR CODES

RED = R	WHITE = W
BLACK = B	GREEN = G
BLUE = BL	BROWN = BR
YELLOW = Y	ORANGE = O

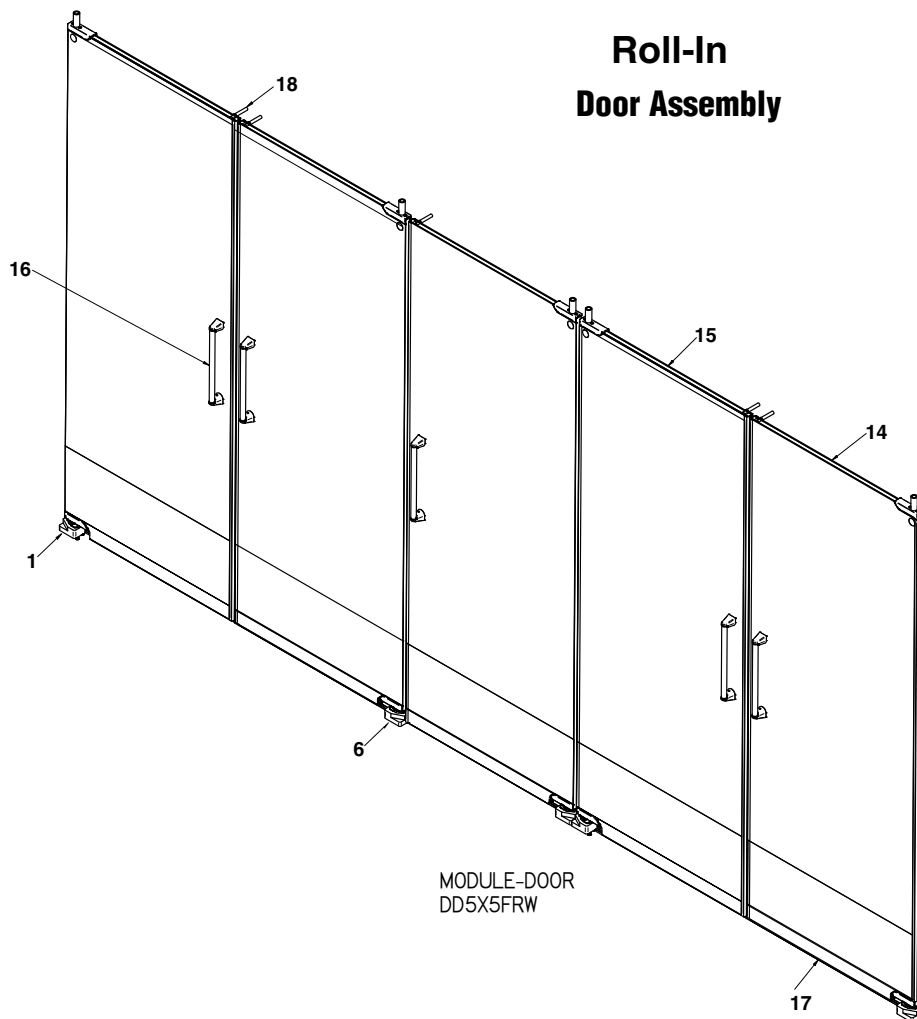
CANOPY LED SELECTION		
P/N	DESCRIPTION	POWER W/
3008011	LED-ESI CANOPY 48IN 30K	17
3008012	LED-ESI CANOPY 48IN 35K	17
3008013	LED-ESI CANOPY 48IN 40K	17
3008014	LED-ESI CANOPY 48IN 30K H0	20.7
3008015	LED-ESI CANOPY 48IN 35K H0	20.7
3008016	LED-ESI CANOPY 48IN 40K H0	20.7



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ITEM	PART NUMBER	TITLE	QTY
1	3071389	BASE PLATE-DOOR LH	2
2	3037440	COVER-PIVOT BEARING LH	2
3	3037434	CAP	5
4	3073779	SWIVEL GUIDE-DOOR LH	2
5	3037438	SPACER-DOOR HEIGHT	10
6	3071390	BASE PLATE-DOOR RH	3
7	3037439	COVER-PIVOT BEARING RH	3
8	3073782	SWIVEL GUIDE-DOOR RH	3
9	3038299	SCREW-LOWERING HD 3X12	10
10	3038314	SCREW-LOWERING HD 3X16	10
11	3038297	BOLT-M8 X 30	5
12	3038296	BOLT-M8 X 40	5
13	3038298	INSERT-M8 CONCRETE	10
14	3037430	ASSEMBLY-DOOR RH	3
15	3037431	ASSEMBLY-DOOR LH	2
16	3037552	HANDLE-DOOR	5
17	3048438	WIPER-DOOR BOT CLR .366X25.98	5
18	3053841	DAMPENER-DOOR DD5X5FRW	5





Scan QR code to
access product
information on your
mobile device.

Revision History

Revision A: January 2018: Original Issue

Revision B: April 2018: New format

Revision C: May 2018: Removed NSF references.

Revision D: September 2018: Updated door assembly parts and wiring diagrams.

Revision E: October 2018: Updated water connections and power locations.

Revision F: February 2019: Added MicroDS logo.