



Applications

Daikin Rooftop units are intended for comfort cooling applications in normal heating, ventilating, and air conditioning. Consult your local Daikin sales representative for applications involving operations at high ambient temperatures, high altitudes, non-cataloged voltages, or for job-specific unit selections that fall outside of the range of the catalog tables.

For proper operation, units should be rigged in accordance with instructions stated on the installation manual. Fire dampers, if required, must be installed in the ductwork according to local and/or state codes. No space is allowed for these dampers in the unit.

Follow factory check, test and start procedures explicitly to achieve satisfactory start-up and operation.

Most rooftop applications take advantage of the significant energy savings provided with economizer operation. When an economizer system is used, mechanical refrigeration is typically not required below an ambient temperature of 50°F.

Serviceability

Daikin packaged rooftop units are built with serviceability in mind, designed to make future maintenance and service on the unit easy and accessible.

- » Our packaged rooftop units offer a slide out blower to facilitate the access and removal of the fan.
- » Filter panels offer tool-less access for easy maintenance.
- » Independent compressors outside of the air bypass to eliminate component blockage and provide easy access.
- » Color coded wire to identify point-to-point component connections.
- » All 7.5-12.5 ton units are designed for convertible airflow orientation to serve downflow or horizontal applications. Every unit ships prepared to convert to horizontal orientation in the field if required.



Model	DSC0903D000001S	DSC0904D000001S	DSC0907D000001S
COOLING CAPACITY			
Total BTU/H	90,000	90,000	90,000
IEER / EER	16.0/12.0	16.0/12.0	16.0/12.0
AHRI Reference #	215440977	215440978	215440979
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)			
Motor Type	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard
Wheel Dia. X Width	15x12	15x12	15x12
Indoor Nominal CFM	3020	3020	3020
RPM	300-1600	300-1600	300-1600
Indoor Horsepower	2.4	2.4	2.4
Filter Size (in)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)
Drain Size (NPT)	3/4	3/4	3/4
R-32 Refrigerant Charge (oz.) Cir #1 & 2	53/53	53/53	53/53
Evaporator Coil Face Area (ft ²)	13.3	13.3	13.3
Rows Deep/ Fins per Inch	2 / 16	2 / 16	2 / 16
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)			
Quantity of Condenser Fan Motors	2	2	2
RPM (High/Low stage)	1122	1050	1050
Outdoor Horsepower	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3
Face Area (ft ²)	29.1	29.1	29.1
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23
COMPRESSOR			
Quantity / Type / Stages per Compressor	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	12.2/120	5.8/55.1	5.8/41
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	8	5.4	4.0
Max External Static (In. W.C.)	0.8	0.8	0.8
Outdoor Fan FLA	2	0.85	0.67
Min. Circuit Ampacity ¹	39.4/39.4	20.1	18.3
Max. Overcurrent Protection (A) ²	50/50	25	20
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5
OPERATING WEIGHT (LBS.)			
Operating Weight (lbs)	1015	1015	1015
SHIPPING WEIGHT (LBS.)			
Ship Weight (lbs)	1087	1087	1087

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

Model	DSC1023D000001S	DSC1024D000001S	DSC1027D000001S
COOLING CAPACITY			
Total BTU/H	97,000	97,000	97,000
IEER / EER	15.5/11.4	15.5/11.4	15.5/11.4
AHRI Reference #	215440980	215440981	215440982
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)			
Motor Type	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard
Wheel Dia. X Width	15x12	15x12	15x12
Indoor Nominal CFM	3230	3230	3230
RPM	300-1600	300-1600	300-1600
Indoor Horsepower	2.4	2.4	2.4
Filter Size (in)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)
Drain Size (NPT)	3/4	3/4	3/4
R-32 Refrigerant Charge (oz.) Cir #1 & 2	56/56	56/56	56/56
Evaporator Coil Face Area (ft ²)	13.3	13.3	13.3
Rows Deep/ Fins per Inch	2 / 16	2 / 16	2 / 16
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)			
Quantity of Condenser Fan Motors	2	2	2
RPM (High/Low stage)	1122	1050	1050
Outdoor Horsepower	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3
Face Area (ft ²)	29.1	29.1	29.1
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23
COMPRESSOR			
Quantity / Type / Stages per Compressor	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	14.1/120	6.4/55.1	5.1/41
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	8	5.4	4.0
Max External Static (In. W.C.)	0.8	0.8	0.8
Outdoor Fan FLA	2	0.85	0.67
Min. Circuit Ampacity ¹	43.7/43.7	21.5	16.9
Max. Overcurrent Protection (A) ²	50 / 50	25	20
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5
OPERATING WEIGHT (LBS.)			
Operating Weight (lbs)	1027	1027	1027
SHIPPING WEIGHT (LBS.)			
Ship Weight (lbs)	1099	1099	1099

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

Model	DSC1203D000001S	DSC1204D000001S	DSC1207D000001S
COOLING CAPACITY			
Total BTU/H	116,000	116,000	116,000
IEER / EER	15.2/11.4	15.2/11.4	15.2/11.4
AHRI Reference #	215440983	215440984	215440985
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)			
Motor Type	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard
Wheel Dia. X Width	15x15	15x15	15x15
Indoor Nominal CFM	3380	3380	3380
RPM	300-1600	300-1600	300-1600
Indoor Horsepower	2.4	2.4	2.4
Filter Size (in)	20 X 25 X 2 (2) 25 X 25 X 2 (2)	20 X 25 X 2 (2) 25 X 25 X 2 (2)	20 X 25 X 2 (2) 25 X 25 X 2 (2)
Drain Size (NPT)	3/4	3/4	3/4
R-32 Refrigerant Charge (oz.) Cir #1 & 2	73/71	73/71	73/71
Evaporator Coil Face Area (ft ²)	16.2	16.2	16.2
Rows Deep/ Fins per Inch	3 / 16	3 / 16	3 / 16
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)			
Quantity of Condenser Fan Motors	2	2	2
RPM (High/Low stage)	1122	1050	1050
Outdoor Horsepower	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3
Face Area (ft ²)	29.1	29.1	29.1
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23
COMPRESSOR			
Quantity / Type / Stages per Compressor	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	17.3/155	7.7/58.1	7.1/47.8
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	8	5.4	4.0
Max External Static (In. W.C.)	0.8	0.8	0.8
Outdoor Fan FLA	2	0.85	0.67
Min. Circuit Ampacity ¹	50.9/50.9	24.4	21.2
Max. Overcurrent Protection (A) ²	60/60	30	25
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5
OPERATING WEIGHT (LBS.)			
Operating Weight (lbs)	1070	1070	1070
SHIPPING WEIGHT (LBS.)			
Ship Weight (lbs)	1142	1142	1142

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

Model	DSC1503D000001S	DSC1504D000001S	DSC1507D000001S
COOLING CAPACITY			
Total BTU/H	140,000	140,000	140,000
IEER / EER	15.2/11.4	15.2/11.4	15.2/11.4
AHRI Reference #	215440986	215440987	215440988
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)			
Motor Type	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard
Wheel Dia. X Width	15x15	15x15	15x15
Indoor Nominal CFM	4200	4200	4200
RPM	300-1600	300-1600	300-1600
Indoor Horsepower	3.5	3.5	3.5
Filter Size (in)	20 X 25 X 2 (2) 25 X 25 X 2 (2)	20 X 25 X 2 (2) 25 X 25 X 2 (2)	20 X 25 X 2 (2) 25 X 25 X 2 (2)
Drain Size (NPT)	3/4	3/4	3/4
R-32 Refrigerant Charge (oz.) Cir #1 & 2	110/111	110/111	110/111
Evaporator Coil Face Area (ft ²)	16.2	16.2	16.2
Rows Deep/ Fins per Inch	4 / 16	4 / 16	4 / 16
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)			
Quantity of Condenser Fan Motors	2	2	2
RPM (High/Low stage)	1130	1115	1075
Outdoor Horsepower	1/2	1/2	1/2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3
Face Area (ft ²)	40.8	40.8	40.8
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23
COMPRESSOR			
Quantity / Type / Stages per Compressor	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	19.2/157	9.0/74.8	7.1/53.9
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	10.9	7.2	5.0
Max External Static (In. W.C.)	0.8	0.8	0.8
Outdoor Fan FLA	2.7	1.4	1
Min. Circuit Ampacity ¹	59.5/59.5	30.2	22.8
Max. Overcurrent Protection (A) ²	70/70	35	25
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5
OPERATING WEIGHT (LBS.)			
Operating Weight (lbs)	1153	1153	1153
SHIPPING WEIGHT (LBS.)			
Ship Weight (lbs)	1225	1225	1225

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

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