

N SERIES

Air-Cooled Condensing Units - Technical Catalog

Featuring Copeland™ Compressors
448A and 449A with Refrigerants



 **CENTURY**
REFRIGERATION
DIVISION RAE CORPORATION

STANDARD FEATURES

- Direct drive condenser fans
- Fan motor contactors
- Poly-coated fan guard
- Liquid receiver with relief valve
- Receiver inlet and outlet ball valves
- Refrigerant charging Schrader port
- Compressor contactors
- Compressor overload protection
- Crankcase heater
- Compressor service valves
- Vibration isolation under compressor
- Discharge vibrasorber
- Head cooling fans when applicable on low temp units
- Separate sub-cooling circuit
- Fan motor overload protection
- Oversized, NEMA 3R control panel (to facilitate field-added electronic system controls) with hinged door
- Pre-wired electrical controls
- High pressure safety
- Low pressure operating control
- Rigging holes
- Electronic oil control
- Run/Pumpdown switch
- 12 FPI max condensing surface
- Oversized high-efficiency condensers
- Condenser coil cleanout access
- Wiring raceway

APPLICATIONS

Century's N Series outdoor air cooled condensing units are specifically designed for commercial and industrial refrigeration duty cooling applications. They come completely pre-piped and wired with vertical air discharge. They also utilize a unique horizontal condenser and coil design and high volume condenser fans. Each unit is provided with a separate sub-cooling circuit to maximize unit performance. The N Series condensing unit is suitable for mounting at ground or rooftop levels.

N Series condensing units can be applied between the operating saturated suction temperatures of -40°F and 45°F, depending on the unit selected and the refrigerant utilized. For higher or lower operating temperatures, contact your local Century Representative.

N Series condensing units can be matched with Century Refrigeration's EPIC, FV Series, FH Series, BALV Series, A Series medium profile unit coolers, BOC Series large profile unit coolers, PFE Blast Cooler/Freezer unit coolers, WIBR Series unit coolers, and XBOC Series unit coolers. Applications ranging from low temperature product storage, produce ripening, or medium temperature product storage can be readily supported by the N Series condensing units.

Each N Series unit is designed to meet the demands of multiple load applications required for commercial and industrial refrigeration.

Refrigerants 448a and 449a are available to meet your product application. POE oils are utilized in units for these refrigerants. Consult your Century Representative for additional refrigerant application



U.S. DEPARTMENT OF
ENERGY

Fully Compliant with 2020 DOE Requirements

AVAILABLE OPTIONS

- +20°F fan cycle with digital control (ambient temperatures at or above +20°F)
- 0°F fan cycle with digital control (ambient temperatures at or above 0°F)
- A20 flood control with receivers (ambient temperatures at or above +20°F)
- B20 flood control with receivers (ambient temperatures below +20°F, positive start feature)
- VFD compatible condenser fan motors with controller mounted
- Title 24 packages
- 850 RPM fan motors and optional low sound blades
- Special high air fan blades for high altitude locations
- Liquid line solenoid, mounted or shipped loose, with or without manual lift stem
- Liquid line drier (with or without replaceable core) & sight glass
- 3 valve bypass (liquid drier)
- Drier isolation valves
- Full port charging valve
- Hot gas discharge muffler
- Suction accumulator with or without heat exchanger
- Suction filter with or without replaceable core
- Suction vibrasorber, mounted
- Oil separator
- Control circuit transformer
- Convenience outlet (115v/15amp/with transformer)
- Unit circuit breaker with through-the-door operator
- Painted cabinet
- Defrost time clock
- Fused defrost heater contactor
- Fused evaporator fan contactor
- Fused defrost circuit
- Fused evaporator fan circuit
- Unit phase failure monitor
- Hot gas bypass
- Receiver insulation
- Compressor head cooling fan
- Cylinder unloading on most compressors
- Alarm circuit with dry contacts
- Adjustable guarantee off timer (GOT)
- Off/Pumpdown/Run switch
- Electrical door interlock
- Indicator lights (LED)
- Elapsed time meter
- Acrylic coated fin coil
- Single circuit option on dual compressor unit (includes oil separator with reservoir and individual floats)
- Electronic room thermostats mounted in unit with sensor shipped loose
- Mechanical or electronic room thermostat, shipped loose
- Contact your local Century Representative for other requested special options

NOMENCLATURE

MODEL KEY N S C 03 L 8A

Series Name _____

Number of Compressors _____

S - Single
D - Dual

Compressor Type _____

C - Copeland

Refrigerant Type

8A - R448a

9A - R449a

Temperature Range

H - High

M - Medium

L - Low

Nominal Horsepower

WHEN ORDERING PLEASE SPECIFY:

- Complete Model Number
- Refrigerant
- Room Temperature
- Saturated Suction Temperature
- Electrical Characteristic
 - Unit (Voltage/Phase)
 - Control Voltage
- Accessories

Note: Dual units are standard with dual electrical and refrigerant circuiting.

Cabinet

The rugged, industrial grade cabinet is constructed of heavy gauge, mill galvanized steel. Rigging holes are provided in the formed, full-perimeter channel base. Compressors are mounted low in the cabinet for ease of service.

Condensers

Coils are seamless copper tube with die stamped aluminum plate fins, galvanized steel frames and tube sheets. Coils are computer selected for refrigeration applications to provide optimum heat transfer at a minimum T.D. Each unit is provided with a separate, sub-cooling circuit to maximize unit performance. Access for coil cleaning comes standard.

Condenser fan motors are industrial duty 1140 RPM, ball bearing, weather resistant, three phase with inherent electrical protection. Condenser fan blades are of finished aluminum with a corrosion-resistant coated hub.

Coils are mounted horizontally with fans arranged for draw through, vertical discharge air flow. Each fan assembly is equipped with a sturdy poly-coated steel fan guard.

Liquid Receiver

Receivers are selected to provide pumpdown capacity (with condenser coil) considering a nominal 100ft. equivalent line length and a matching evaporator. Receivers smaller than 6 inches are U.L. listed. All larger receivers are ASME stamped. Each receiver is equipped with inlet and outlet ball valves, gauge port, and pressure relief device. Oversize receivers are available with or without, optional low ambient condenser flooding valves.

Compressors

U.L. listed, semi-hermetic, energy efficient, Copeland™ compressors are applied throughout the line. Each compressor is equipped with reversible oil pump, suction and discharge service valves with gauge ports, inherent three phase overload protection, oil level sight glass,

crankcase heater, spring isolator mounting, in line discharge vibrasorber and auxiliary head cooling fan and/or oil cooler (where required.)

Controls

All condensing units are wired to operate on a standard pumpdown cycle. Run/ pumpdown switch is provided as standard.

All electrical control components are enclosed within a heavy-gauge weatherproof, hinged panel to provide maximum weather protection and enhance service analysis.

All units have individually numbered control conductors. Also standard are adjustable, refrigeration grade, separate high and low pressure switches (high-manual reset); oil pressure failure switch (manual reset) where applicable; and an individually numbered terminal strip for field connections. Conductors and fusing are selected per N.E.C. standards. A generously-sized enclosure is provided with adequate space to accommodate a complete defrost control system, either factory mounted and wired or field provided. Notably all Century control components are selected to be readily available through refrigeration wholesalers throughout the country. O.E.M. type controls are judiciously avoided.

R-448a - Low Temp		Model Numbers ^{5, 8}			
		NSC03L8A	NSC04L8A	NSC05L8A	NSC08L8A
Compressor Model Number		2DF3F16KE	2DL3F20KE	2DA3F23KE	3DB3F33KE
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	27.7	33.8	36.3	49.0
	230 V	25.6	31.1	33.4	44.8
	460 V	12.8	15.5	16.7	22.4
	575 V	10.0	12.2	13.1	17.7
Compressor RLA (each)	208 V	17.7	22.6	24.5	34.7
	230 V	16.0	20.4	22.2	31.4
	460 V	8.0	10.2	11.1	15.7
	575 V	6.4	8.2	8.9	12.6
Total Number of Condenser Fan Motors		1	1	1	1
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	6x36	6x36	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		28	28	28	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	28	28	28	37
	w/ Flood Control ³	48	49	49	58
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	5/8	5/8	5/8
Unit Shipping Weight - Approximate (lbs.)		1,266	1,275	1,281	1,478
Unit Operating Weight - Approximate (lbs.) ⁷		1,179	1,188	1,194	1,433

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	8,682	3.11	10,236	3.48	11,377	3.97	18,808	5.32
	-30° F	12,681	3.56	14,955	4.00	17,363	4.53	26,865	6.20
	-20° F	17,543	3.99	21,048	4.51	24,397	5.10	35,790	7.14
	-10° F	23,795	4.43	28,458	5.02	32,643	5.67	46,269	8.21
	0° F	31,818	4.91	36,927	5.49	42,290	6.26	58,891	9.52
95° F	-40° F ⁶	7,448	3.08	8,957	3.50	9,848	4.05	15,665	5.39
	-30° F	11,230	3.57	13,307	4.04	15,387	4.60	23,475	6.29
	-20° F	15,757	4.05	18,997	4.59	21,950	5.19	32,059	7.27
	-10° F	21,559	4.54	25,974	5.15	29,773	5.83	42,142	8.42
	0° F	29,047	5.07	34,050	5.71	38,928	6.52	54,258	9.84
105° F	-40° F	6,242	3.02	7,825	3.49	8,503	4.11	12,420	5.47
	-30° F	9,820	3.56	11,711	4.05	13,464	4.66	19,979	6.36
	-20° F	14,005	4.09	16,923	4.65	19,449	5.28	28,333	7.38
	-10° F	19,334	4.64	23,400	5.27	26,726	5.97	38,040	8.59
	0° F	26,304	5.22	30,969	5.91	35,264	6.76	49,771	10.10
115° F	-40° F	5,127	2.93	6,820	3.44	7,275	4.15	9,142	5.54
	-30° F	8,467	28.00	10,158	4.03	11,540	4.70	16,533	6.42
	-20° F	12,312	4.11	14,809	4.68	16,821	5.35	-	-
	-10° F	17,178	4.71	20,682	5.37	23,393	6.11	-	-
	0° F	23,553	5.34	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
2 - Based on 80% full at 90°F ambient.
3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
4 - KW is for the unit.
5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
7 - Operating weight reflects flooded refrigerant charge.
8 - Dual units are standard with dual electrical and refrigerant circuiting.
9 - Size based on mounted optional suction line trim.
“-” - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Low Temp		Model Numbers^{5, 8}			
		NSC10L8A	NSC12L8A	NSC15L8A	NSC22L8A
Compressor Model Number		3DS3F46KE	4DBNF54KE	4DHNF63KE	4DJNF76KE
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	59.5	81.0	86.8	108.8
	230 V	54.4	74.2	79.5	99.8
	460 V	27.2	37.1	39.7	49.9
	575 V	21.5	29.2	31.3	39.2
Compressor RLA (each)	208 V	43.1	56.6	61.3	75.2
	230 V	39.0	51.2	55.4	68.0
	460 V	19.5	25.6	27.7	34.0
	575 V	15.6	20.5	22.2	27.2
Total Number of Condenser Fan Motors		1	2	2	3
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.)²		65	65	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard³	40	57	67	76
	w/ Flood Control³	67	98	108	137
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 5/8	1 5/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,640	1,761	1,892	2,240
Unit Operating Weight - Approximate (lbs.)⁷		1,595	1,716	1,880	2,229

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	23,762	6.65	27,960	8.63	33,550	9.38	41,534	12.55
	-30° F	34,125	7.88	40,462	10.04	49,159	11.78	61,668	14.93
	-20° F	46,254	9.12	56,310	11.58	66,089	13.61	83,544	17.02
	-10° F	60,806	10.54	74,730	13.20	85,065	15.19	108,790	19.07
	0° F	77,967	12.32	95,418	14.84	106,490	16.89	139,469	21.35
95° F	-40° F ⁶	19,599	6.66	23,555	8.63	28,228	9.28	34,870	12.50
	-30° F	29,797	7.96	35,601	10.17	43,554	11.97	54,323	15.13
	-20° F	41,398	9.30	50,692	11.86	59,879	14.05	75,273	17.47
	-10° F	55,187	10.84	68,084	13.64	77,687	15.85	99,262	19.77
	0° F	71,376	12.75	87,459	15.44	97,546	17.73	128,450	22.29
105° F	-40° F	15,237	6.61	18,732	8.50	22,561	9.06	27,739	12.30
	-30° F	25,210	8.00	30,235	10.17	37,673	12.06	46,514	15.20
	-20° F	36,376	9.44	44,514	12.01	53,384	14.42	66,530	17.81
	-10° F	49,368	11.09	60,954	13.95	70,177	16.46	89,506	20.37
	0° F	-	-	78,946	15.93	88,654	18.52	117,185	23.15
115° F	-40° F	10,744	6.53	13,380	8.22	16,788	8.70	20,242	11.95
	-30° F	20,423	7.98	24,383	10.04	31,700	12.01	38,479	15.13
	-20° F	-	-	37,904	12.03	-	-	57,562	18.03
	-10° F	-	-	-	-	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - Low Temp		Model Numbers^{5,8}			
		NSC25L8A	NSC30L8A	NSC40L8A	NDC06L8A
Compressor Model Number		6DHNF93KE	6DJNF11ME	6DUNF13ME	2DF3F16KE
Quantity of Compressors		1	1	1	2
MCA¹ per circuit	208 V	129.8	157.9	-	27.7
	230 V	118.8	144.6	-	25.6
	460 V	59.4	72.3	85.8	12.8
	575 V	46.8	56.9	-	10.0
Compressor RLA (each)	208 V	92.0	110.8	-	17.7
	230 V	83.2	100.2	-	16.0
	460 V	41.6	50.1	60.9	8.0
	575 V	33.3	40.1	-	6.4
Total Number of Condenser Fan Motors		3	4	4	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	-	4.6
	230 V	4.6	4.6	-	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	-	1.6
Receiver Size per circuit (in.)		10x60	10x60	10x60	6x36
Receiver Capacity 80% Full per circuit (lbs.)²		144	144	144	28
Unit Operating Charge per circuit (approx. lbs.)	Standard³	111	111	119	28
	w/ Flood Control³	191	191	220	48
Suction Connection per circuit - ODS (in.)⁹		2 1/8	2 1/8	2 5/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	5/8
Unit Shipping Weight - Approximate (lbs.)		2,562	2,628	3,034	2,553
Unit Operating Weight - Approximate (lbs.)⁷		2,608	2,674	3,080	2,316

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	49,470	16.11	58,757	19.09	74,936	20.69	17,364	6.23
	-30° F	72,923	17.31	87,555	21.11	102,784	23.99	25,362	7.11
	-20° F	99,788	19.62	119,600	23.97	140,169	27.66	35,086	7.97
	-10° F	130,942	22.52	156,472	27.36	183,387	31.61	47,589	8.86
	0° F	168,058	25.56	200,218	31.01	230,118	35.71	63,636	9.82
95° F	-40° F ⁶	41,936	16.84	49,354	19.73	63,814	20.95	14,896	6.16
	-30° F	64,839	17.91	77,525	21.74	91,811	24.57	22,460	7.14
	-20° F	90,657	20.24	108,360	24.71	128,330	28.60	31,515	8.11
	-10° F	120,257	23.32	143,560	28.32	170,070	32.93	43,118	9.09
	0° F	155,230	26.67	184,869	32.31	214,561	37.43	58,095	10.15
105° F	-40° F	33,129	17.52	38,523	20.25	50,869	20.96	12,484	6.03
	-30° F	55,463	18.45	66,010	22.25	79,254	24.91	19,639	7.12
	-20° F	80,248	20.77	95,833	25.31	115,362	29.30	28,009	8.19
	-10° F	108,473	23.99	129,183	29.14	156,068	34.03	38,667	9.28
	0° F	141,495	27.60	168,113	33.45	198,575	38.96	52,608	10.43
115° F	-40° F	22,883	18.13	25,881	20.68	35,787	20.67	10,254	5.85
	-30° F	44,798	18.88	52,963	22.62	64,860	24.97	16,934	7.05
	-20° F	68,515	21.18	81,596	25.77	100,779	29.75	24,623	8.23
	-10° F	-	-	-	-	-	-	34,356	9.42
	0° F	-	-	-	-	-	-	47,106	10.69

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
 2 - Based on 80% full at 90°F ambient.
 3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
 4 - KW is for the unit.
 5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
 6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
 7 - Operating weight reflects flooded refrigerant charge.
 8 - Dual units are standard with dual electrical and refrigerant circuiting.
 9 - Size based on mounted optional suction line trim.
 "—" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Low Temp		Model Numbers^{5, 8}			
		NDC08L8A	NDC10L8A	NDC16L8A	NDC20L8A
Compressor Model Number		2DL3F20KE	2DA3F23KE	3DB3F33KE	3DS3F46KE
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	33.8	36.3	49.0	59.5
	230 V	31.1	33.4	44.8	54.4
	460 V	15.5	16.7	22.4	27.2
	575 V	12.2	13.1	17.7	21.5
Compressor RLA (each)	208V	22.6	24.5	34.7	43.1
	230 V	20.4	22.2	31.4	39.0
	460 V	10.2	11.1	15.7	19.5
	575 V	8.2	8.9	12.6	15.6
Total Number of Condenser Fan Motors		2	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	6x36	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.)²		28	28	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard³	28	28	37	40
	w/ Flood Control³	49	49	58	67
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	5/8	5/8	5/8
Unit Shipping Weight - Approximate (lbs.)		2,571	2,584	2,977	3,303
Unit Operating Weight - Approximate (lbs.)⁷		2,334	2,347	2,826	3,151

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	20,472	6.96	22,755	7.95	37,616	10.63	47,524	13.31
	-30° F	29,911	7.99	34,727	9.07	53,730	12.41	68,249	15.75
	-20° F	42,097	9.03	48,793	10.19	71,580	14.28	92,507	18.23
	-10° F	56,916	10.03	65,286	11.34	92,538	16.42	121,613	21.07
	0° F	73,854	10.99	84,581	12.52	117,783	19.05	155,935	24.64
95° F	-40° F ⁶	17,914	7.01	19,697	8.10	31,330	10.79	39,197	13.31
	-30° F	26,613	8.08	30,774	9.20	46,949	12.59	59,593	15.92
	-20° F	37,993	9.19	43,901	10.39	64,119	14.54	82,796	18.61
	-10° F	51,948	10.31	59,546	11.65	84,284	16.84	110,374	21.68
	0° F	68,101	11.41	77,856	13.03	108,516	19.68	142,752	25.51
105° F	-40° F	15,650	6.98	17,005	8.22	24,840	10.93	30,473	13.23
	-30° F	23,422	8.10	26,927	9.31	39,958	12.73	50,420	15.99
	-20° F	33,846	9.30	38,898	10.55	56,665	14.75	72,751	18.87
	-10° F	46,799	10.55	53,452	11.94	76,081	17.18	98,736	22.18
	0° F	61,939	11.82	70,527	13.52	99,542	20.21	-	-
115° F	-40° F	13,641	6.88	14,550	8.30	18,284	11.08	21,489	13.06
	-30° F	20,317	8.06	23,080	9.39	33,066	12.85	40,846	15.97
	-20° F	29,619	9.36	33,642	10.69	-	-	-	-
	-10° F	41,363	10.75	46,786	12.22	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Low Temp		Model Numbers^{5, 8}			
		NDC24L8A	NDC30L8A	NDC44L8A	NDC50L8A
Compressor Model Number		4DBNF54KE	4DHNF63KE	4DJNF76KE	6DHNF93KE
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	81.0	86.8	108.8	129.8
	230 V	74.2	79.5	99.8	118.8
	460 V	37.1	39.7	49.9	59.4
	575 V	29.2	31.3	39.2	46.8
Compressor RLA (each)	208 V	56.6	61.3	75.2	92.0
	230 V	51.2	55.4	68.0	83.2
	460 V	25.6	27.7	34.0	41.6
	575 V	20.5	22.2	27.2	33.3
Total Number of Condenser Fan Motors		4	4	6	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x60	8x60	10x60
Receiver Capacity 80% Full per circuit (lbs.)²		65	94	94	144
Unit Operating Charge per circuit (approx. lbs.)	Standard³	57	67	76	111
	w/ Flood Control³	98	108	137	191
Suction Connection per circuit - ODS (in.)⁹		1 5/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		7/8	7/8	7/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		3,551	3,805	4,502	5,145
Unit Operating Weight - Approximate (lbs.)⁷		3,399	3,720	4,417	5,175

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	55,920	17.26	67,101	18.76	83,069	25.10	98,939	32.22
	-30° F	80,925	20.08	98,318	23.56	123,336	29.85	145,846	34.61
	-20° F	112,620	23.17	132,178	27.21	167,087	34.03	199,575	39.23
	-10° F	149,460	26.41	170,129	30.38	217,580	38.14	261,884	45.05
	0° F	190,836	29.68	212,980	33.78	278,938	42.71	336,117	51.13
95° F	-40° F ⁶	47,110	17.25	56,456	18.56	69,739	25.00	83,873	33.69
	-30° F	71,202	20.34	87,108	23.94	108,647	30.25	129,678	35.83
	-20° F	101,384	23.72	119,757	28.10	150,545	34.94	181,315	40.48
	-10° F	136,169	27.27	155,375	31.71	198,524	39.54	240,513	46.64
	0° F	174,918	30.87	195,093	35.46	256,901	44.57	310,459	53.34
105° F	-40° F	37,464	16.99	45,122	18.12	55,478	24.60	66,257	35.04
	-30° F	60,470	20.35	75,345	24.11	93,029	30.39	110,925	36.89
	-20° F	89,027	24.03	106,767	28.83	133,061	35.62	160,497	41.54
	-10° F	121,909	27.90	140,353	32.92	179,012	40.74	216,946	47.97
	0° F	157,892	31.85	177,309	37.05	234,371	46.29	282,990	55.20
115° F	-40° F	26,761	16.44	33,575	17.40	40,485	23.90	45,766	36.26
	-30° F	48,766	20.08	63,400	24.03	76,958	30.26	89,596	37.76
	-20° F	75,808	24.06	-	-	115,124	36.06	137,030	42.37
	-10° F	-	-	-	-	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
 2 - Based on 80% full at 90°F ambient.
 3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
 4 - KW is for the unit.
 5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
 6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
 7 - Operating weight reflects flooded refrigerant charge.
 8 - Dual units are standard with dual electrical and refrigerant circuiting.
 9 - Size based on mounted optional suction line trim.
 "—" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-404a - Low Temp		Model Numbers^{5, 8}	
		NDC60L4	NDC80L4
Compressor Model Number		6DJNF11ME	6DUNF13ME
Quantity of Compressors		2	2
MCA¹ per circuit	208 V	157.9	-
	230 V	144.6	-
	460 V	72.3	85.8
	575 V	56.9	-
Compressor RLA (each)	208 V	110.8	-
	230 V	100.2	-
	460 V	50.1	60.9
	575 V	40.1	-
Total Number of Condenser Fan Motors		8	8
Size of Motor (HP)		1	1
Diameter of Blade (in.)		28	28
Condenser Fan Motor Amps (each)	208 V	4.6	-
	230 V	4.6	-
	460 V	2.3	2.3
	575 V	1.6	-
Receiver Size per circuit (in.)		10x60	10x60
Receiver Capacity 80% Full per circuit (lbs.)²		144	144
Unit Operating Charge per circuit (approx. lbs.)	Standard³	111	119
	w/ Flood Control³	191	220
Suction Connection per circuit - ODS (in.)⁹		2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		5,277	6,100
Unit Operating Weight - Approximate (lbs.)⁷		5,307	6,129

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.				
85° F	-40° F	153,648	40.12	193,040	47.79
	-30° F	204,726	46.30	268,899	55.67
	-20° F	263,944	52.80	340,776	64.05
	-10° F	331,358	59.74	418,602	72.83
	0° F	406,630	67.19	512,365	81.86
95° F	-40° F ⁶	136,494	40.40	171,777	47.96
	-30° F	185,002	47.28	240,555	56.70
	-20° F	239,783	54.40	305,368	65.86
	-10° F	301,331	61.85	377,718	75.29
	0° F	369,270	69.73	466,040	84.91
105° F	-40° F	118,490	40.20	149,080	47.69
	-30° F	164,887	47.82	211,659	57.30
	-20° F	215,747	55.60	270,877	67.24
	-10° F	271,634	63.62	338,011	77.37
	0° F	332,677	71.97	422,448	87.56
115° F	-40° F	100,339	39.43	126,362	46.90
	-30° F	144,785	47.82	183,066	57.39
	-20° F	192,064	56.30	238,202	68.13
	-10° F	-	-	301,212	78.95
	0° F	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

“-” - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for “M” and “H” models, and 5°F for “L” models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NSC05M8A	NSC08M8A	NSC09M8A	NSC10M8A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	36.0	48.7	60.9	65.9
	230 V	33.1	44.6	55.6	60.1
	460 V	16.6	22.3	27.8	30.0
	575 V	13.0	17.6	22.0	23.8
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		1	1	1	1
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		28	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	28	56	56	56
	w/ Flood Control ³	49	87	87	87
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,286	1,371	1,370	1,503
Unit Operating Weight - Approximate (lbs.) ⁷		1,198	1,326	1,325	1,458

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	23,573	4.56	32,960	5.65	39,502	6.89	47,547	8.18
	0° F	29,927	4.78	42,820	6.22	51,430	7.52	61,328	8.89
	10° F	38,304	5.11	54,851	6.82	65,947	8.23	77,919	9.73
	20° F	48,646	5.51	69,155	7.44	82,876	8.98	96,233	10.68
	25° F	54,525	5.72	77,107	7.75	91,830	9.36	105,961	11.16
	30° F	60,860	5.92	85,655	8.04	100,997	9.74	115,910	11.67
	45° F	81,825	6.47	113,005	8.91	130,198	10.81	147,013	13.16
95° F	-10° F	22,041	4.73	30,191	5.81	34,688	7.13	41,861	8.46
	0° F	27,605	4.96	39,397	6.45	46,457	7.83	55,486	9.25
	10° F	35,154	5.33	50,590	7.14	60,378	8.62	71,324	10.19
	20° F ⁶	44,610	5.78	63,750	7.85	76,256	9.47	88,727	11.25
	25° F	49,988	6.03	71,124	8.20	84,748	9.90	97,785	11.81
	30° F	55,835	6.27	78,947	8.56	93,318	10.33	106,961	12.38
	45° F ⁶	75,469	6.96	104,402	9.58	120,034	11.59	-	-
105° F	-10° F	20,742	4.90	27,364	5.95	29,397	7.36	35,537	8.73
	0° F	25,467	5.14	35,926	6.66	41,172	8.12	49,060	9.59
	10° F	32,138	5.55	46,210	7.44	54,589	8.99	64,320	10.64
	20° F	40,635	6.06	58,294	8.24	69,567	9.94	-	-
	25° F	45,559	6.33	65,002	8.65	77,537	10.42	-	-
	30° F	50,868	6.61	72,201	9.05	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	19,754	5.08	24,527	6.06	23,789	7.57	-	-
	0° F	23,578	5.34	32,403	6.85	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NSC12M8A	NSC15M8A	NSC22M8A	NSC25M8A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	82.7	95.6	116.6	147.8
	230 V	75.3	87.4	106.4	135.0
	460 V	37.7	43.7	53.2	67.5
	575 V	29.9	34.5	42.1	53.3
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		1	2	2	3
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	83	83	92	102
	w/ Flood Control ³	124	124	152	184
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		1,586	1,797	2,100	2,300
Unit Operating Weight - Approximate (lbs.) ⁷		1,574	1,786	2,088	2,288

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	55,072	9.28	63,844	11.41	81,525	13.44	90,284	15.84
	0° F	70,442	10.13	83,176	12.53	106,111	15.03	117,729	17.57
	10° F	89,666	11.22	106,217	13.78	134,625	16.68	149,619	19.34
	20° F	110,957	12.47	132,529	15.09	167,651	18.34	186,794	21.08
	25° F	122,264	13.14	146,102	15.76	185,243	19.16	207,534	21.92
	30° F	133,844	13.83	160,261	16.42	203,737	19.98	229,471	22.74
	45° F	168,975	15.93	204,671	18.33	265,468	22.30	301,037	25.01
95° F	-10° F	49,131	9.79	57,435	11.91	74,920	13.90	83,042	16.31
	0° F	63,916	10.68	76,297	13.11	97,853	15.65	108,684	18.23
	10° F	81,989	11.84	98,226	14.47	124,334	17.48	138,340	20.21
	20° F ⁶	102,075	13.17	122,808	15.92	154,756	19.34	172,661	22.19
	25° F	112,511	13.89	135,526	16.65	171,324	20.28	191,825	23.16
	30° F	123,129	14.64	148,367	17.41	188,422	21.20	212,251	24.11
	45° F ⁶	-	-	188,773	19.56	245,714	23.84	278,908	26.78
105° F	-10° F	42,351	10.26	50,664	12.44	67,837	14.28	75,327	16.71
	0° F	56,779	11.18	69,246	13.72	89,276	16.19	99,276	18.82
	10° F	73,971	12.38	90,095	15.18	113,711	18.21	126,686	21.02
	20° F	-	-	113,003	16.76	141,576	20.28	158,203	23.24
	25° F	-	-	-	-	157,098	21.30	175,825	24.33
	30° F	-	-	-	-	-	-	194,577	25.42
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	-	-	43,701	13.03	60,445	14.56	67,202	17.03
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
2 - Based on 80% full at 90°F ambient.
3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
4 - KW is for the unit.
5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
7 - Operating weight reflects flooded refrigerant charge.
8 - Dual units are standard with dual electrical and refrigerant circuiting.
9 - Size based on mounted optional suction line trim.
“-” - Consult your local Century Representative.
NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for “M” and “H” models, and 5°F for “L” models. Failure to consider this may result in liquid line flashing and resultant poor system performance.
NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NSC30M8A	NSC35M8A	NSC40M8A	NSC50M8A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	172.6	214.9	234.5	-
	230 V	157.5	195.8	213.9	-
	460 V	78.8	97.9	107.0	129.4
	575 V	62.3	77.6	84.6	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		3	3	4	5
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		8x60	10x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	144	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	129	151	198	198
	w/ Flood Control ³	210	259	332	332
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		2,318	2,647	3,104	3,226
Unit Operating Weight - Approximate (lbs.) ⁷		2,307	2,693	3,217	3,338

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	100,512	17.87	131,790	21.55	157,467	26.34	187,430	32.47
	0° F	136,315	20.17	169,262	23.96	201,817	29.14	241,351	36.09
	10° F	175,963	22.53	215,864	26.73	257,631	32.42	307,391	40.27
	20° F	219,228	24.91	269,443	29.76	322,477	36.05	381,579	44.84
	25° F	241,394	26.10	296,904	31.35	356,940	37.92	419,851	47.23
	30° F	264,252	27.28	325,222	32.93	391,540	39.80	459,214	49.63
	45° F	336,720	30.78	411,293	37.62	497,626	45.27	577,782	56.84
95° F	-10° F	91,455	18.26	121,252	22.48	145,317	27.61	171,684	33.79
	0° F	124,974	20.82	157,386	25.15	187,993	30.70	224,064	37.77
	10° F	161,790	23.47	201,526	28.19	240,622	34.31	286,783	42.36
	20° F ⁶	202,028	26.15	251,645	31.53	301,147	38.27	356,623	47.38
	25° F	222,723	27.49	277,504	33.25	333,575	40.32	392,145	50.00
	30° F	243,804	28.83	303,390	35.02	365,494	42.39	428,430	52.64
	45° F ⁶	310,607	32.79	382,203	40.17	462,468	48.43	-	-
105° F	-10° F	82,218	18.44	109,975	23.28	132,490	28.72	154,721	34.90
	0° F	113,155	21.28	145,015	26.20	173,545	32.11	205,702	39.29
	10° F	146,985	24.21	186,753	29.55	223,360	36.05	265,367	44.30
	20° F	183,580	27.20	233,504	33.20	279,595	40.37	-	-
	25° F	-	-	-	-	309,546	42.60	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	72,741	18.40	97,866	23.91	119,002	29.60	-	-
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

“-” - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for “M” and “H” models, and 5°F for “L” models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NDC10M8A	NDC16M8A	NDC18M8A	NDC20M8A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	36.0	48.7	60.9	65.9
	230 V	33.1	44.6	55.6	60.1
	460 V	16.6	22.3	27.8	30.0
	575 V	13.0	17.6	22.0	23.8
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		2	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		28	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	28	56	56	56
	w/ Flood Control ³	49	87	87	87
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		2,592	2,763	2,760	3,028
Unit Operating Weight - Approximate (lbs.) ⁷		2,355	2,612	2,608	2,876

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	47,146	9.12	65,919	11.30	79,003	13.78	95,094	16.36
	0° F	59,855	9.55	85,639	12.44	102,861	15.04	122,656	17.78
	10° F	76,609	10.23	109,703	13.65	131,895	16.46	155,837	19.47
	20° F	97,291	11.02	138,310	14.88	165,752	17.96	192,466	21.35
	25° F	109,049	11.44	154,214	15.49	183,660	18.72	211,922	22.33
	30° F	121,719	11.85	171,309	16.09	201,993	19.48	231,820	23.33
	45° F	163,650	12.94	226,011	17.83	260,395	21.62	294,027	26.32
95° F	-10° F	44,082	9.45	60,382	11.62	69,376	14.26	83,723	16.92
	0° F	55,211	9.92	78,795	12.91	92,914	15.66	110,972	18.50
	10° F	70,308	10.66	101,179	14.28	120,755	17.25	142,647	20.39
	20° F ⁶	89,220	11.57	127,500	15.70	152,512	18.94	177,455	22.50
	25° F	99,975	12.06	142,247	16.41	169,496	19.81	195,569	23.61
	30° F	111,671	12.54	157,893	17.12	186,636	20.67	213,921	24.76
	45° F ⁶	150,937	13.91	208,803	19.16	240,068	23.18	-	-
105° F	-10° F	41,483	9.80	54,728	11.89	58,793	14.71	71,074	17.45
	0° F	50,934	10.29	71,853	13.33	82,345	16.23	98,121	19.18
	10° F	64,276	11.10	92,419	14.88	109,179	17.98	128,641	21.28
	20° F	81,270	12.11	116,588	16.48	139,134	19.87	-	-
	25° F	91,119	12.66	130,003	17.30	155,074	20.85	-	-
	30° F	101,736	13.23	144,403	18.10	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	39,508	10.17	49,055	12.11	47,577	15.14	-	-
	0° F	47,155	10.67	64,806	13.70	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NDC24M8A	NDC30M8A	NDC44M8A	NDC50M8A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	82.7	95.6	116.6	147.8
	230 V	75.3	87.4	106.4	135.0
	460 V	37.7	43.7	53.2	67.5
	575 V	29.9	34.5	42.1	53.3
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		2	4	4	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	83	83	92	102
	w/ Flood Control ³	124	124	152	184
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		3,194	3,617	4,222	4,621
Unit Operating Weight - Approximate (lbs.) ⁷		3,108	3,532	4,137	4,536

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	110,144	18.56	127,689	22.83	163,049	26.89	180,569	31.68
	0° F	140,885	20.27	166,353	25.07	212,221	30.06	235,458	35.13
	10° F	179,333	22.44	212,434	27.56	269,250	33.36	299,237	38.68
	20° F	221,915	24.95	265,057	30.18	335,301	36.68	373,589	42.16
	25° F	244,527	26.28	292,204	31.53	370,485	38.33	415,068	43.85
	30° F	267,688	27.65	320,522	32.85	407,474	39.95	458,942	45.47
	45° F	337,950	31.86	409,341	36.65	530,936	44.60	602,073	50.03
95° F	-10° F	98,261	19.58	114,869	23.82	149,840	27.80	166,084	32.62
	0° F	127,833	21.37	152,594	26.23	195,705	31.31	217,368	36.46
	10° F	163,978	23.67	196,453	28.93	248,668	34.96	276,680	40.42
	20° F ⁶	204,151	26.34	245,615	31.83	309,512	38.69	345,322	44.38
	25° F	225,021	27.78	271,051	33.31	342,647	40.55	383,650	46.31
	30° F	246,258	29.27	296,734	34.81	376,845	42.39	424,502	48.23
	45° F ⁶	-	-	377,547	39.12	491,429	47.69	557,816	53.56
105° F	-10° F	84,702	20.51	101,328	24.88	135,673	28.56	150,654	33.42
	0° F	113,558	22.36	138,491	27.44	178,552	32.39	198,552	37.64
	10° F	147,941	24.77	180,190	30.36	227,422	36.42	253,372	42.03
	20° F	-	-	226,005	33.52	283,152	40.56	316,406	46.48
	25° F	-	-	-	-	314,196	42.61	351,649	48.66
	30° F	-	-	-	-	-	-	389,154	50.83
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	-	-	87,401	26.07	120,890	29.13	134,404	34.06
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - Medium Temp		Model Numbers ^{5, 8}			
		NDC60M8A	NDC70M8A	NDC80M8A	NDC100M8A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	172.6	214.9	234.5	-
	230 V	157.5	195.8	213.9	-
	460 V	78.8	97.9	107.0	129.4
	575 V	62.3	77.6	84.6	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		6	6	8	10
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		8x60	10x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	144	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	129	151	198	198
	w/ Flood Control ³	210	259	332	332
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		4,658	5,316	6,240	6,485
Unit Operating Weight - Approximate (lbs.) ⁷		4,572	5,346	6,403	6,648

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	201,025	35.74	263,580	43.11	314,933	52.69	374,860	64.95
	0° F	272,629	40.34	338,524	47.92	403,634	58.29	482,703	72.18
	10° F	351,926	45.05	431,728	53.45	515,261	64.85	614,781	80.53
	20° F	438,456	49.82	538,886	59.52	644,954	72.10	763,158	89.67
	25° F	482,787	52.19	593,809	62.70	713,879	75.83	839,702	94.46
	30° F	528,504	54.56	650,445	65.87	783,080	79.60	918,429	99.26
	45° F	673,440	61.55	822,586	75.25	995,252	90.54	1,155,564	113.68
95° F	-10° F	182,910	36.51	242,503	44.96	290,635	55.23	343,368	67.58
	0° F	249,949	41.65	314,772	50.29	375,986	61.39	448,128	75.54
	10° F	323,580	46.93	403,051	56.38	481,244	68.63	573,566	84.71
	20° F ⁶	404,057	52.30	503,289	63.07	602,294	76.55	713,246	94.75
	25° F	445,445	54.98	555,008	66.50	667,149	80.64	784,289	100.00
	30° F	487,608	57.66	606,780	70.04	730,988	84.78	856,860	105.27
	45° F ⁶	621,214	65.58	764,406	80.33	924,935	96.86	-	-
105° F	-10° F	164,436	36.88	219,950	46.56	264,981	57.45	309,441	69.81
	0° F	226,310	42.56	290,030	52.41	347,090	64.23	411,404	78.58
	10° F	293,971	48.42	373,507	59.10	446,720	72.09	530,735	88.61
	20° F	367,160	54.41	467,008	66.39	559,191	80.74	-	-
	25° F	-	-	-	-	619,093	85.20	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	145,482	36.79	195,733	47.81	238,004	59.20	-	-
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - High Temp		Model Numbers^{5, 8}			
		NSC05H8A	NSC08H8A	NSC09H8A	NSC10H8A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	36.0	53.3	65.5	70.5
	230 V	33.1	49.2	60.2	64.7
	460 V	16.6	24.6	30.1	32.3
	575 V	13.0	19.2	23.6	25.4
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		1	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.)²		65	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard³	41	57	60	68
	w/ Flood Control³	72	98	100	129
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,350	1,598	1,732	1,934
Unit Operating Weight - Approximate (lbs.)⁷		1,305	1,554	1,687	1,889

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	23,746	4.53	33,508	6.70	40,722	7.90	49,915	9.09
	0° F	30,253	4.74	43,625	7.23	52,937	8.47	64,220	9.69
	10° F	38,874	5.06	56,103	7.78	68,039	9.09	81,807	10.37
	20° F	49,538	5.43	71,092	8.31	85,931	9.72	102,733	11.05
	25° F	55,629	5.61	79,552	8.55	95,949	10.01	114,386	11.37
	30° F	62,202	5.79	88,653	8.79	106,555	10.29	126,860	11.67
	45° F	84,752	6.21	119,929	9.38	142,096	10.96	168,660	12.38
95° F	-10° F	22,188	4.70	30,744	6.87	36,092	8.15	44,670	9.40
	0° F	27,914	4.92	40,220	7.48	48,171	8.80	58,804	10.09
	10° F	35,696	5.28	51,844	8.11	62,637	9.51	75,729	10.87
	20° F ⁶	45,485	5.70	65,747	8.74	79,441	10.24	95,388	11.69
	25° F	51,081	5.93	73,555	9.04	88,716	10.59	106,254	12.08
	30° F	57,177	6.14	81,987	9.33	98,511	10.94	117,750	12.47
105° F	45° F ⁶	78,144	6.71	110,872	10.10	130,917	11.82	156,054	13.43
	-10° F	20,849	4.87	27,924	7.01	30,906	8.39	38,577	9.68
	0° F	25,745	5.11	36,742	7.70	42,912	9.10	52,678	10.45
	10° F	32,636	5.50	47,504	8.42	56,861	9.91	69,013	11.35
	20° F	41,474	5.98	60,274	9.15	72,764	10.74	87,580	12.30
	25° F	46,587	6.24	67,468	9.51	81,364	11.15	97,666	12.77
115° F	30° F	52,146	6.49	75,183	9.85	90,427	11.55	108,314	13.23
	45° F	71,467	7.21	101,673	10.80	119,932	12.64	143,257	14.46
	-10° F	19,811	5.05	25,080	7.13	25,281	8.61	31,761	9.96
	0° F	23,798	5.30	33,248	7.90	37,367	9.39	45,868	10.82
	10° F	29,738	5.72	43,102	8.71	50,918	10.28	61,720	11.82
	20° F	-	-	54,766	9.54	-	-	-	-
25° F	-	-	-	-	-	-	-	-	
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - High Temp		Model Numbers ^{5, 8}			
		NSC12H8A	NSC15H8A	NSC22H8A	NSC25H8A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	87.3	100.2	125.8	152.4
	230 V	79.9	92.0	115.6	139.6
	460 V	40.0	46.0	57.8	69.8
	575 V	31.5	36.1	45.3	54.9
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		2	3	4	4
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	10x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	144	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	99	100	122	156
	w/ Flood Control ³	181	181	230	291
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		2,057	2,154	2,578	2,980
Unit Operating Weight - Approximate (lbs.) ⁷		2,046	2,142	2,624	3,092

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	57,547	10.02	65,760	12.31	83,363	15.43	91,889	16.76
	0° F	73,651	10.77	85,592	13.33	108,900	16.88	120,084	18.37
	10° F	94,451	11.67	109,748	14.41	139,044	18.31	153,398	19.96
	20° F	119,551	12.62	138,166	15.49	174,503	19.67	192,721	21.43
	25° F	133,525	13.10	153,903	16.01	194,470	20.30	214,889	22.10
	30° F	148,416	13.56	170,699	16.49	216,121	20.87	238,826	22.72
	45° F	197,398	14.76	226,657	17.70	291,088	22.28	322,393	24.15
95° F	-10° F	52,097	10.58	59,519	12.80	76,856	15.93	84,758	17.27
	0° F	67,653	11.37	78,889	13.91	100,825	17.55	111,236	19.08
	10° F	87,308	12.35	101,858	15.11	128,905	19.18	142,287	20.88
	20° F ⁶	110,652	13.42	128,253	16.35	161,795	20.76	178,696	22.62
	25° F	123,560	13.97	142,846	16.94	180,237	21.52	199,184	23.43
	30° F	137,254	14.50	158,163	17.52	200,231	22.22	221,415	24.19
105° F	45° F ⁶	181,873	15.98	208,924	19.03	269,844	24.02	298,952	26.07
	-10° F	45,727	11.09	52,827	13.33	69,955	16.34	77,134	17.70
	0° F	60,889	11.93	71,908	14.51	92,345	18.14	101,943	19.70
	10° F	79,588	12.98	93,703	15.84	118,325	19.99	130,692	21.75
	20° F	101,303	14.17	118,340	17.21	148,673	21.80	164,314	23.74
	25° F	113,250	14.78	131,706	17.88	165,821	22.65	183,263	24.68
115° F	30° F	125,762	15.40	145,694	18.55	184,188	23.49	203,700	25.59
	45° F	166,307	17.14	191,480	20.35	248,422	25.69	275,301	27.94
	-10° F	38,536	11.55	45,862	13.91	62,609	16.67	69,075	18.05
	0° F	53,451	12.42	64,718	15.16	83,525	18.65	92,197	20.26
	10° F	71,292	13.56	85,576	16.58	107,540	20.70	118,775	22.53
	20° F	-	-	-	-	-	-	149,682	24.78
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - High Temp		Model Numbers^{5, 8}			
		NSC30H8A	NSC35H8A	NSC40H8A	NSC50H8A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	181.8	228.7	243.7	-
	230 V	166.7	209.6	223.1	-
	460 V	83.4	104.8	111.6	131.7
	575 V	65.5	82.4	87.8	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		5	6	6	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		12x60	12x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.)²		202	202	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard³	175	188	209	209
	w/ Flood Control³	309	347	370	370
Suction Connection per circuit - ODS (in.)⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		3,081	3,440	3,466	3,512
Unit Operating Weight - Approximate (lbs.)⁷		3,194	3,552	3,579	3,625

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	103,114	19.86	134,565	24.45	159,023	28.28	189,391	33.31
	0° F	140,358	21.95	173,001	26.62	204,064	30.92	243,978	36.76
	10° F	182,050	24.00	221,382	29.07	261,034	33.99	311,320	40.70
	20° F	228,778	25.94	278,530	31.61	327,891	37.33	389,193	44.96
	25° F	254,154	26.84	309,841	32.89	364,497	39.00	431,408	47.13
	30° F	280,851	27.70	342,674	34.15	402,732	40.67	473,362	49.32
	45° F	369,591	29.94	448,858	37.55	520,875	45.35	603,033	55.65
95° F	-10° F	94,112	20.33	124,214	25.44	147,038	29.58	173,811	34.67
	0° F	129,222	22.71	161,328	27.88	190,232	32.53	226,876	38.49
	10° F	168,388	25.08	207,236	30.61	244,117	35.94	290,757	42.87
	20° F ⁶	212,130	27.35	260,601	33.48	306,647	39.61	363,714	47.56
	25° F	235,766	28.44	289,690	34.92	340,449	41.50	402,866	49.97
	30° F	260,729	29.48	320,026	36.35	375,710	43.36	442,334	52.39
105° F	-10° F	84,832	20.60	113,259	26.30	134,421	30.72	157,038	35.83
	0° F	117,549	23.29	149,228	29.02	176,012	33.99	208,749	40.07
	10° F	153,883	25.98	192,754	32.06	226,875	37.75	269,589	44.88
	20° F	194,207	28.61	242,628	35.27	285,096	41.81	337,772	50.05
	25° F	216,091	29.88	269,461	36.90	316,317	43.89	373,791	52.73
	30° F	239,030	31.11	297,392	38.50	348,690	45.95	-	-
115° F	-10° F	75,362	20.64	101,424	27.00	120,956	31.66	138,804	36.76
	0° F	105,271	23.64	136,417	30.02	161,214	35.25	-	-
	10° F	138,453	26.67	177,729	33.40	-	-	-	-
	20° F	-	-	-	-	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
2 - Based on 80% full at 90°F ambient.
3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
4 - KW is for the unit.
5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
7 - Operating weight reflects flooded refrigerant charge.
8 - Dual units are standard with dual electrical and refrigerant circuiting.
9 - Size based on mounted optional suction line trim.
“-” - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.
NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - High Temp		Model Numbers ^{5, 8}			
		NDC10H8A	NDC16H8A	NDC18H8A	NDC20H8A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	36.0	53.3	65.5	70.5
	230 V	33.1	49.2	60.2	64.7
	460 V	16.6	24.6	30.1	32.3
	575 V	13.0	19.2	23.6	25.4
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		2	4	4	4
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		65	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	41	57	60	68
	w/ Flood Control ³	72	98	100	129
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		2,721	3,218	3,484	3,890
Unit Operating Weight - Approximate (lbs.) ⁷		2,569	3,066	3,333	3,739

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	47,492	9.06	67,017	13.39	81,443	15.80	99,829	18.18
	0° F	60,506	9.48	87,250	14.46	105,873	16.95	128,441	19.39
	10° F	77,749	10.11	112,206	15.55	136,078	18.19	163,614	20.74
	20° F	99,077	10.85	142,184	16.61	171,863	19.43	205,466	22.10
	25° F	111,257	11.22	159,105	17.11	191,899	20.01	228,772	22.75
	30° F	124,405	11.58	177,306	17.58	213,110	20.57	253,721	23.35
95° F	45° F	169,505	12.42	239,858	18.76	284,192	21.91	337,319	24.77
	-10° F	44,375	9.40	61,488	13.74	72,184	16.30	89,341	18.79
	0° F	55,827	9.84	80,440	14.96	96,341	17.60	117,608	20.17
	10° F	71,391	10.56	103,689	16.22	125,274	19.02	151,457	21.74
	20° F ⁶	90,970	11.41	131,495	17.48	158,882	20.48	190,777	23.37
	25° F	102,163	11.85	147,109	18.08	177,432	21.19	212,508	24.16
105° F	30° F	114,355	12.28	163,975	18.66	197,023	21.87	235,499	24.93
	45° F ⁶	156,289	13.42	221,743	20.19	261,834	23.64	312,108	26.86
	-10° F	41,699	9.74	55,848	14.03	61,812	16.77	77,154	19.36
	0° F	51,489	10.21	73,485	15.40	85,824	18.21	105,357	20.91
	10° F	65,273	11.00	95,007	16.84	113,723	19.81	138,027	22.70
	20° F	82,948	11.96	120,548	18.30	145,528	21.47	175,160	24.59
115° F	25° F	93,174	12.47	134,935	19.01	162,727	22.30	195,332	25.54
	30° F	104,292	12.99	150,367	19.71	180,854	23.10	216,629	26.46
	45° F	142,934	14.42	203,345	21.61	239,863	25.29	286,513	28.92
	-10° F	39,622	10.11	50,160	14.26	50,562	17.22	63,523	19.92
	0° F	47,596	10.60	66,496	15.79	74,734	18.78	91,736	21.64
	10° F	59,476	11.45	86,204	17.42	101,837	20.56	123,441	23.64
	20° F	-	-	109,533	19.08	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-

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2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-448a - High Temp		Model Numbers ^{5, 8}			
		NDC24H8A	NDC30H8A	NDC44H8A	NDC50H8A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	87.3	100.2	125.8	152.4
	230 V	79.9	92.0	115.6	139.6
	460 V	40.0	46.0	57.8	69.8
	575 V	31.5	36.1	45.3	54.9
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		4	6	8	8
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	10x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	144	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	99	100	122	156
	w/ Flood Control ³	181	181	230	291
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		4,130	4,329	5,177	5,993
Unit Operating Weight - Approximate (lbs.) ⁷		4,045	4,244	5,207	6,156

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	115,094	20.04	131,519	24.61	166,726	30.85	183,778	33.52
	0° F	147,301	21.54	171,183	26.65	217,799	33.75	240,168	36.75
	10° F	188,902	23.33	219,495	28.83	278,088	36.62	306,797	39.92
	20° F	239,103	25.24	276,331	30.98	349,006	39.34	385,441	42.86
	25° F	267,051	26.20	307,806	32.02	388,939	40.59	429,779	44.20
	30° F	296,831	27.11	341,399	32.98	432,242	41.73	477,652	45.44
	45° F	394,796	29.53	453,314	35.39	582,176	44.57	644,785	48.30
95° F	-10° F	104,194	21.16	119,038	25.60	153,711	31.85	169,517	34.53
	0° F	135,305	22.75	157,777	27.82	201,650	35.10	222,472	38.15
	10° F	174,616	24.70	203,715	30.23	257,810	38.36	284,574	41.77
	20° F ⁶	221,304	26.84	256,506	32.70	323,590	41.53	357,392	45.24
	25° F	247,119	27.93	285,691	33.88	360,474	43.03	398,369	46.86
	30° F	274,508	29.00	316,325	35.05	400,462	44.44	442,831	48.37
105° F	45° F ⁶	363,747	31.95	417,849	38.07	539,688	48.04	597,904	52.14
	-10° F	91,455	22.19	105,654	26.66	139,909	32.68	154,268	35.39
	0° F	121,777	23.86	143,816	29.02	184,691	36.29	203,886	39.41
	10° F	159,175	25.96	187,405	31.67	236,650	39.98	261,384	43.50
	20° F	202,606	28.34	236,680	34.41	297,347	43.59	328,627	47.48
	25° F	226,500	29.57	263,412	35.77	331,641	45.30	366,525	49.37
	30° F	251,525	30.80	291,388	37.10	368,376	46.98	407,400	51.18
115° F	45° F	332,613	34.29	382,961	40.71	496,843	51.38	550,602	55.88
	-10° F	77,072	23.09	91,724	27.81	125,218	33.34	138,151	36.09
	0° F	106,902	24.85	129,437	30.31	167,050	37.30	184,394	40.52
	10° F	142,584	27.11	171,153	33.16	215,079	41.39	237,550	45.07
	20° F	-	-	-	-	-	-	299,365	49.57
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-448a - High Temp		Model Numbers ^{5, 8}			
		NDC60H8A	NDC70H8A	NDC80H8A	NDC100H8A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	181.8	228.7	243.7	-
	230 V	166.7	209.6	223.1	-
	460 V	83.4	104.8	111.6	131.7
	575 V	65.5	82.4	87.8	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		10	12	12	12
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		12x60	12x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		202	202	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	175	188	209	209
	w/ Flood Control ³	309	347	370	370
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		6,194	6,913	6,966	7,056
Unit Operating Weight - Approximate (lbs.) ⁷		6,357	7,076	7,129	7,220

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	206,228	39.73	269,129	48.90	318,047	56.56	378,783	66.62
	0° F	280,716	43.90	346,002	53.24	408,127	61.84	487,957	73.52
	10° F	364,099	48.00	442,763	58.13	522,067	67.99	622,639	81.40
	20° F	457,555	51.87	557,060	63.22	655,782	74.65	778,386	89.91
	25° F	508,308	53.68	619,681	65.77	728,995	78.01	862,815	94.26
	30° F	561,703	55.40	685,348	68.30	805,463	81.35	946,724	98.64
	45° F	739,183	59.87	897,717	75.09	1,041,751	90.71	1,206,066	111.30
95° F	-10° F	188,224	40.66	248,428	50.88	294,077	59.15	347,623	69.34
	0° F	258,444	45.42	322,657	55.75	380,465	65.07	453,752	76.99
	10° F	336,776	50.16	414,471	61.21	488,235	71.87	581,514	85.74
	20° F ⁶	424,260	54.71	521,202	66.97	613,295	79.22	727,429	95.12
	25° F	471,532	56.89	579,379	69.84	680,897	83.00	805,733	99.93
	30° F	521,457	58.96	640,053	72.70	751,419	86.73	884,669	104.78
105° F	45° F ⁶	686,333	64.62	834,331	80.55	968,864	97.33	1,121,322	118.98
	-10° F	169,664	41.20	226,518	52.59	268,843	61.45	314,076	71.66
	0° F	235,099	46.57	298,455	58.04	352,025	67.99	417,497	80.14
	10° F	307,766	51.95	385,509	64.13	453,749	75.51	539,178	89.76
	20° F	388,413	57.22	485,257	70.54	570,193	83.62	675,545	100.11
	25° F	432,182	59.75	538,922	73.79	632,633	87.77	747,582	105.46
115° F	30° F	478,059	62.22	594,785	76.99	697,379	91.90	-	-
	45° F	630,369	69.01	771,042	86.01	-	-	-	-
	-10° F	150,724	41.28	202,848	54.00	241,912	63.32	277,607	73.51
	0° F	210,542	47.28	272,833	60.05	322,429	70.49	-	-
	10° F	276,907	53.34	355,458	66.80	-	-	-	-
	20° F	-	-	-	-	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Low Temp

Model Numbers^{5, 8}

R-449a - Low Temp		Model Numbers ^{5, 8}			
		NSC03L9A	NSC04L9A	NSC05L9A	NSC08L9A
Compressor Model Number		2DF3F16KE	2DL3F20KE	2DA3F23KE	3DB3F33KE
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	27.7	33.8	36.3	49.0
	230 V	25.6	31.1	33.4	44.8
	460 V	12.8	15.5	16.7	22.4
	575 V	10.0	12.2	13.1	17.7
Compressor RLA (each)	208 V	17.7	22.6	24.5	34.7
	230 V	16.0	20.4	22.2	31.4
	460 V	8.0	10.2	11.1	15.7
	575 V	6.4	8.2	8.9	12.6
Total Number of Condenser Fan Motors		1	1	1	1
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	6x36	6x36	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		28	28	28	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	28	28	28	37
	w/ Flood Control ³	48	49	49	58
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	5/8	5/8	5/8
Unit Shipping Weight - Approximate (lbs.)		1,266	1,275	1,281	1,478
Unit Operating Weight - Approximate (lbs.) ⁷		1,179	1,188	1,194	1,433

Capacity Ratings

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	8,682	3.11	10,236	3.48	11,377	3.97	18,808	5.32
	-30° F	12,681	3.56	14,955	4.00	17,363	4.53	26,865	6.20
	-20° F	17,543	3.99	21,048	4.51	24,397	5.10	35,790	7.14
	-10° F	23,795	4.43	28,458	5.02	32,643	5.67	46,269	8.21
	0° F	31,818	4.91	36,927	5.49	42,290	6.26	58,891	9.52
95° F	-40° F ⁶	7,448	3.08	8,957	3.50	9,848	4.05	15,665	5.39
	-30° F	11,230	3.57	13,307	4.04	15,387	4.60	23,475	6.29
	-20° F	15,757	4.05	18,997	4.59	21,950	5.19	32,059	7.27
	-10° F	21,559	4.54	25,974	5.15	29,773	5.83	42,142	8.42
	0° F	29,047	5.07	34,050	5.71	38,928	6.52	54,258	9.84
105° F	-40° F	6,242	3.02	7,825	3.49	8,503	4.11	12,420	5.47
	-30° F	9,820	3.56	11,711	4.05	13,464	4.66	19,979	6.36
	-20° F	14,005	4.09	16,923	4.65	19,449	5.28	28,333	7.38
	-10° F	19,334	4.64	23,400	5.27	26,726	5.97	38,040	8.59
	0° F	26,304	5.22	30,969	5.91	35,264	6.76	49,771	10.10
115° F	-40° F	5,127	2.93	6,820	3.44	7,275	4.15	9,142	5.54
	-30° F	8,467	3.53	10,158	4.03	11,540	4.70	16,533	6.42
	-20° F	12,312	4.11	14,809	4.68	16,821	5.35	-	-
	-10° F	17,178	4.71	20,682	5.37	23,393	6.11	-	-
	0° F	23,553	5.34	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Low Temp		Model Numbers^{5, 8}			
		NSC10L9A	NSC12L9A	NSC15L9A	NSC22L9A
Compressor Model Number		3DS3F46KE	4DBNF54KE	4DHNF63KE	4DJNF76KE
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	59.5	81.0	86.8	108.8
	230 V	54.4	74.2	79.5	99.8
	460 V	27.2	37.1	39.7	49.9
	575 V	21.5	29.2	31.3	39.2
Compressor RLA (each)	208 V	43.1	56.6	61.3	75.2
	230 V	39.0	51.2	55.4	68.0
	460 V	19.5	25.6	27.7	34.0
	575 V	15.6	20.5	22.2	27.2
Total Number of Condenser Fan Motors		1	2	2	3
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.)²		65	65	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard³	40	57	67	76
	w/ Flood Control³	67	98	108	137
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 5/8	1 5/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,640	1,761	1,892	2,240
Unit Operating Weight - Approximate (lbs.)⁷		1,595	1,716	1,880	2,229

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	23,762	6.65	27,960	8.63	33,547	9.38	53,052	14.56
	-30° F	34,125	7.88	40,462	10.04	49,162	11.78	72,119	16.85
	-20° F	46,254	9.12	56,310	11.58	66,079	13.61	94,041	19.18
	-10° F	60,806	10.54	74,730	13.20	85,045	15.19	119,134	21.53
	0° F	77,967	12.32	95,418	14.84	106,488	16.89	147,672	23.90
95° F	-40° F ⁶	19,599	6.66	23,555	8.63	28,218	9.28	47,007	14.61
	-30° F	29,797	7.96	35,601	10.17	43,556	11.97	64,585	17.12
	-20° F	41,398	9.30	50,692	11.86	59,870	14.05	84,835	19.67
	-10° F	55,187	10.84	68,084	13.64	77,669	15.86	107,826	22.25
	0° F	71,376	12.75	87,459	15.44	97,541	17.73	133,911	24.88
105° F	-40° F	15,237	6.61	18,732	8.50	22,544	9.06	40,890	14.51
	-30° F	25,210	8.00	30,235	10.17	37,675	12.05	57,060	17.23
	-20° F	36,376	9.44	44,514	12.01	53,380	14.41	75,516	20.01
	-10° F	49,368	11.09	60,954	13.95	70,163	16.46	96,368	22.84
	0° F	-	-	78,946	15.93	88,651	18.52	119,968	25.73
115° F	-40° F	10,744	6.53	13,380	8.22	16,764	8.70	34,906	14.22
	-30° F	20,423	7.98	24,383	10.04	31,704	12.01	49,459	17.16
	-20° F	-	-	37,904	12.03	-	-	66,125	20.19
	-10° F	-	-	-	-	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R449a - Low Temp

R-449a - Low Temp

Model Numbers^{5, 8}

R-449a - Low Temp		Model Numbers ^{5, 8}			
		NSC25L9A	NSC30L9A	NSC40L9A	NDC06L9A
Compressor Model Number		6DHNF93KE	6DJNF11ME	6DUNF13ME	2DF3F16KE
Quantity of Compressors		1	1	1	2
MCA ¹ per circuit	208 V	129.8	157.9	-	27.7
	230 V	118.8	144.6	-	25.6
	460 V	59.4	72.3	85.8	12.8
	575 V	46.8	56.9	-	10.0
Compressor RLA (each)	208 V	92.0	110.8	-	17.7
	230 V	83.2	100.2	-	16.0
	460 V	41.6	50.1	60.9	8.0
	575 V	33.3	40.1	-	6.4
Total Number of Condenser Fan Motors		3	4	4	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	-	4.6
	230 V	4.6	4.6	-	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	-	1.6
Receiver Size per circuit (in.)		10x60	10x60	10x60	6x36
Receiver Capacity 80% Full per circuit (lbs.) ²		144	144	144	28
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	111	111	119	28
	w/ Flood Control ³	191	191	220	48
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 5/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	5/8
Unit Shipping Weight - Approximate (lbs.)		2,562	2,628	3,034	2,553
Unit Operating Weight - Approximate (lbs.) ⁷		2,608	2,674	3,080	2,316

Capacity Ratings

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	49,470	16.11	58,757	19.09	74,936	20.69	17,364	6.23
	-30° F	72,923	17.31	87,555	21.11	102,784	23.99	25,362	7.11
	-20° F	99,788	19.62	119,600	23.97	140,169	27.66	35,086	7.97
	-10° F	130,942	22.52	156,472	27.36	183,387	31.61	47,589	8.86
	0° F	168,058	25.56	200,218	31.01	230,118	35.71	63,636	9.82
95° F	-40° F ⁶	41,936	16.84	49,354	19.73	63,814	20.95	14,896	6.16
	-30° F	64,839	17.91	77,525	21.74	91,811	24.57	22,460	7.14
	-20° F	90,657	20.24	108,360	24.71	128,330	28.60	31,515	8.11
	-10° F	120,257	23.32	143,560	28.32	170,070	32.93	43,118	9.09
	0° F	155,230	26.67	184,869	32.31	214,561	37.43	58,095	10.15
105° F	-40° F	33,129	17.52	38,523	20.25	50,869	20.96	12,484	6.03
	-30° F	55,463	18.45	66,010	22.25	79,254	24.91	19,639	7.12
	-20° F	80,248	20.77	95,833	25.31	115,362	29.30	28,009	8.19
	-10° F	108,473	23.99	129,183	29.14	156,068	34.03	38,667	9.28
	0° F	141,495	27.60	168,113	33.45	198,575	38.96	52,608	10.43
115° F	-40° F	22,883	18.13	25,881	20.68	35,787	20.67	10,254	5.85
	-30° F	44,798	18.88	52,963	22.62	64,860	24.97	16,934	7.05
	-20° F	68,515	21.18	81,596	25.77	100,779	29.75	24,623	8.23
	-10° F	-	-	-	-	-	-	34,356	9.42
	0° F	-	-	-	-	-	-	47,106	10.69

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Low Temp		Model Numbers^{5, 8}			
		NDC08L9A	NDC10L9A	NDC16L9A	NDC20L9A
Compressor Model Number		2DL3F20KE	2DA3F23KE	3DB3F33KE	3DS3F46KE
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	33.8	36.3	49.0	59.5
	230 V	31.1	33.4	44.8	54.4
	460 V	15.5	16.7	22.4	27.2
	575 V	12.2	13.1	17.7	21.5
Compressor RLA (each)	208 V	22.6	24.5	34.7	43.1
	230 V	20.4	22.2	31.4	39.0
	460 V	10.2	11.1	15.7	19.5
	575 V	8.2	8.9	12.6	15.6
Total Number of Condenser Fan Motors		2	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	6x36	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.)²		28	28	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard³	28	28	37	40
	w/ Flood Control³	49	49	58	67
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	5/8	5/8	5/8
Unit Shipping Weight - Approximate (lbs.)		2,571	2,584	2,977	3,303
Unit Operating Weight - Approximate (lbs.)⁷		2,334	2,347	2,826	3,151

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	20,472	6.96	22,755	7.95	37,616	10.63	47,524	13.31
	-30° F	29,911	7.99	34,727	9.07	53,730	12.41	68,249	15.75
	-20° F	42,097	9.03	48,793	10.19	71,580	14.28	92,507	18.23
	-10° F	56,916	10.03	65,286	11.34	92,538	16.42	121,613	21.07
	0° F	73,854	10.99	84,581	12.52	117,783	19.05	155,935	24.64
95° F	-40° F ⁶	17,914	7.01	19,697	8.10	31,330	10.79	39,197	13.31
	-30° F	26,613	8.08	30,774	9.20	46,949	12.59	59,593	15.92
	-20° F	37,993	9.19	43,901	10.39	64,119	14.54	82,796	18.61
	-10° F	51,948	10.31	59,546	11.65	84,284	16.84	110,374	21.68
	0° F	68,101	11.41	77,856	13.03	108,516	19.68	142,752	25.51
105° F	-40° F	15,650	6.98	17,005	8.22	24,840	10.93	30,473	13.23
	-30° F	23,422	8.10	26,927	9.31	39,958	12.73	50,420	15.99
	-20° F	33,846	9.30	38,898	10.55	56,665	14.75	72,751	18.87
	-10° F	46,799	10.55	53,452	11.94	76,081	17.18	98,736	22.18
	0° F	61,939	11.82	70,527	13.52	99,542	20.21	-	-
115° F	-40° F	13,641	6.88	14,550	8.30	18,284	11.08	21,489	13.06
	-30° F	20,317	8.06	23,080	9.39	33,066	12.85	40,846	15.97
	-20° F	29,619	9.36	33,642	10.69	-	-	-	-
	-10° F	41,363	10.75	46,786	12.22	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Low Temp		Model Numbers ^{5, 8}			
		NDC24L9A	NDC30L9A	NDC44L9A	NDC50L9A
Compressor Model Number		4DBNF54KE	4DHNF63KE	4DJNF76KE	6DHNF93KE
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	81.0	86.8	108.8	129.8
	230 V	74.2	79.5	99.8	118.8
	460 V	37.1	39.7	49.9	59.4
	575 V	29.2	31.3	39.2	46.8
Compressor RLA (each)	208 V	56.6	61.3	75.2	92.0
	230 V	51.2	55.4	68.0	83.2
	460 V	25.6	27.7	34.0	41.6
	575 V	20.5	22.2	27.2	33.3
Total Number of Condenser Fan Motors		4	4	6	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x60	8x60	10x60
Receiver Capacity 80% Full per circuit (lbs.) ²		65	94	94	144
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	57	67	76	111
	w/ Flood Control ³	98	108	137	191
Suction Connection per circuit - ODS (in.) ⁹		1 5/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		7/8	7/8	7/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		3,551	3,805	4,502	5,145
Unit Operating Weight - Approximate (lbs.) ⁷		3,399	3,720	4,417	5,175

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-40° F	55,920	17.26	67,094	18.77	106,105	29.11	98,939	32.22
	-30° F	80,925	20.08	98,323	23.56	144,238	33.71	145,846	34.61
	-20° F	112,620	23.17	132,157	27.21	188,082	38.36	199,575	39.23
	-10° F	149,460	26.41	170,090	30.39	238,269	43.06	261,884	45.05
	0° F	190,836	29.68	212,975	33.78	295,344	47.80	336,117	51.13
95° F	-40° F ⁶	47,110	17.25	56,436	18.57	94,013	29.23	83,873	33.69
	-30° F	71,202	20.34	87,112	23.93	129,170	34.24	129,678	35.83
	-20° F	101,384	23.72	119,741	28.09	169,671	39.33	181,315	40.48
	-10° F	136,169	27.27	155,339	31.71	215,653	44.51	240,513	46.64
	0° F	174,918	30.87	195,083	35.46	267,823	49.75	310,459	53.34
105° F	-40° F	37,464	16.99	45,089	18.13	81,781	29.01	66,257	35.04
	-30° F	60,470	20.35	75,349	24.10	114,120	34.46	110,925	36.89
	-20° F	89,027	24.03	106,759	28.83	151,032	40.02	160,497	41.54
	-10° F	121,909	27.90	140,326	32.92	192,737	45.69	216,946	47.97
	0° F	157,892	31.85	177,303	37.05	239,936	51.46	282,990	55.20
115° F	-40° F	26,761	16.44	33,528	17.41	69,812	28.44	45,766	36.26
	-30° F	48,766	20.08	63,407	24.02	98,918	34.32	89,596	37.76
	-20° F	75,808	24.06	-	-	132,250	40.38	137,030	42.37
	-10° F	-	-	-	-	-	-	-	-
	0° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Low Temp		Model Numbers ^{5, 8}	
		NDC60L9A	NDC80L9A
Compressor Model Number		6DJNF11ME	6DUNF13ME
Quantity of Compressors		2	2
MCA ¹ per circuit	208 V	157.9	-
	230 V	144.6	-
	460 V	72.3	85.8
	575 V	56.9	-
Compressor RLA (each)	208 V	110.8	-
	230 V	100.2	-
	460 V	50.1	60.9
	575 V	40.1	-
Total Number of Condenser Fan Motors		8	8
Size of Motor (HP)		1	1
Diameter of Blade (in.)		28	28
Condenser Fan Motor Amps (each)	208 V	4.6	-
	230 V	4.6	-
	460 V	2.3	2.3
	575 V	1.6	-
Receiver Size per circuit (in.)		10x60	10x60
Receiver Capacity 80% Full per circuit (lbs.) ²		144	144
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	111	119
	w/ Flood Control ³	191	220
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		5,277	6,100
Unit Operating Weight - Approximate (lbs.) ⁷		5,307	6,129

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.				
85° F	-40° F	117,514	38.18	149,872	41.38
	-30° F	175,110	42.22	205,567	47.97
	-20° F	239,199	47.93	280,338	55.32
	-10° F	312,945	54.71	366,774	63.22
	0° F	400,436	62.02	460,237	71.43
95° F	-40° F ⁶	98,707	39.45	127,628	41.91
	-30° F	155,051	43.48	183,621	49.14
	-20° F	216,721	49.42	256,661	57.20
	-10° F	287,120	56.64	340,140	65.86
	0° F	369,737	64.62	429,123	74.86
105° F	-40° F	77,046	40.51	101,738	41.92
	-30° F	132,020	44.49	158,507	49.82
	-20° F	191,666	50.63	230,723	58.60
	-10° F	258,365	58.28	312,135	68.05
	0° F	336,226	66.90	397,149	77.91
115° F	-40° F	51,761	41.36	71,574	41.35
	-30° F	105,926	45.25	129,721	49.95
	-20° F	163,193	51.54	201,557	59.50
	-10° F	-	-	-	-
	0° F	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Medium Temp		Model Numbers^{5,8}			
		NSC05M9A	NSC08M9A	NSC09M9A	NSC10M9A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	36.0	48.7	60.9	65.9
	230 V	33.1	44.6	55.6	60.1
	460 V	16.6	22.3	27.8	30.0
	575 V	13.0	17.6	22.0	23.8
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		1	1	1	1
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.)²		28	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard³	28	56	56	56
	w/ Flood Control³	49	87	87	87
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,286	1,371	1,370	1,503
Unit Operating Weight - Approximate (lbs.)⁷		1,198	1,326	1,325	1,458

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	23,573	4.56	32,960	5.65	39,502	6.89	47,547	8.18
	0° F	29,927	4.78	42,820	6.22	51,430	7.52	61,328	8.89
	10° F	38,304	5.11	54,851	6.82	65,947	8.23	77,919	9.73
	20° F	48,646	5.51	69,155	7.44	82,876	8.98	96,233	10.68
	25° F	54,525	5.72	77,107	7.75	91,830	9.36	105,961	11.16
	30° F	60,860	5.92	85,655	8.04	100,997	9.74	115,910	11.67
	45° F	81,825	6.47	113,005	8.91	130,198	10.81	147,013	13.16
95° F	-10° F	22,041	4.73	30,191	5.81	34,688	7.13	41,861	8.46
	0° F	27,605	4.96	39,397	6.45	46,457	7.83	55,486	9.25
	10° F	35,154	5.33	50,590	7.14	60,378	8.62	71,324	10.19
	20° F ⁶	44,610	5.78	63,750	7.85	76,256	9.47	88,727	11.25
	25° F	49,988	6.03	71,124	8.20	84,748	9.90	97,785	11.81
	30° F	55,835	6.27	78,947	8.56	93,318	10.33	106,961	12.38
	45° F ⁶	75,469	6.96	104,402	9.58	120,034	11.59	-	-
105° F	-10° F	20,742	4.90	27,364	5.95	29,397	7.36	35,537	8.73
	0° F	25,467	5.14	35,926	6.66	41,172	8.12	49,060	9.59
	10° F	32,138	5.55	46,210	7.44	54,589	8.99	64,320	10.64
	20° F	40,635	6.06	58,294	8.24	69,567	9.94	-	-
	25° F	45,559	6.33	65,002	8.65	77,537	10.42	-	-
	30° F	50,868	6.61	72,201	9.05	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	19,754	5.08	24,527	6.06	23,789	7.57	-	-
	0° F	23,578	5.34	32,403	6.85	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - Medium Temp		Model Numbers ^{5,8}			
		NSC12M9A	NSC15M9A	NSC22M9A	NSC25M9A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	82.7	95.6	116.6	147.8
	230 V	75.3	87.4	106.4	135.0
	460 V	37.7	43.7	53.2	67.5
	575 V	29.9	34.5	42.1	53.3
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		1	2	2	3
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	83	83	92	102
	w/ Flood Control ³	124	124	152	184
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		1,586	1,797	2,100	2,300
Unit Operating Weight - Approximate (lbs.) ⁷		1,574	1,786	2,088	2,288

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	55,072	9.28	63,844	11.41	81,525	13.44	90,284	15.84
	0° F	70,442	10.13	83,176	12.53	106,111	15.03	117,729	17.57
	10° F	89,666	11.22	106,217	13.78	134,625	16.68	149,619	19.34
	20° F	110,957	12.47	132,529	15.09	167,651	18.34	186,794	21.08
	25° F	122,264	13.14	146,102	15.76	185,243	19.16	207,534	21.92
	30° F	133,844	13.83	160,261	16.42	203,737	19.98	229,471	22.74
	45° F	168,975	15.93	204,671	18.33	265,468	22.30	301,037	25.01
95° F	-10° F	49,131	9.79	57,435	11.91	74,920	13.90	83,042	16.31
	0° F	63,916	10.68	76,297	13.11	97,853	15.65	108,684	18.23
	10° F	81,989	11.84	98,226	14.47	124,334	17.48	138,340	20.21
	20° F ⁶	102,075	13.17	122,808	15.92	154,756	19.34	172,661	22.19
	25° F	112,511	13.89	135,526	16.65	171,324	20.28	191,825	23.16
	30° F	123,129	14.64	148,367	17.41	188,422	21.20	212,251	24.11
	45° F ⁶	-	-	188,773	19.56	245,714	23.84	278,908	26.78
105° F	-10° F	42,351	10.26	50,664	12.44	67,837	14.28	75,327	16.71
	0° F	56,779	11.18	69,246	13.72	89,276	16.19	99,276	18.82
	10° F	73,971	12.38	90,095	15.18	113,711	18.21	126,686	21.02
	20° F	-	-	113,003	16.76	141,576	20.28	158,203	23.24
	25° F	-	-	-	-	157,098	21.30	175,825	24.33
	30° F	-	-	-	-	-	-	194,577	25.42
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	-	-	43,701	13.03	60,445	14.56	67,202	17.03
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

R449a - Med. Temp

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - Medium Temp		Model Numbers ^{5, 8}			
		NSC30M9A	NSC35M9A	NSC40M9A	NSC50M9A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	172.6	214.9	234.5	-
	230 V	157.5	195.8	213.9	-
	460 V	78.8	97.9	107.0	129.4
	575 V	62.3	77.6	84.6	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		3	3	4	5
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		8x60	10x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	144	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	129	151	198	198
	w/ Flood Control ³	210	259	332	332
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		2,318	2,647	3,104	3,226
Unit Operating Weight - Approximate (lbs.) ⁷		2,307	2,693	3,217	3,338

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	100,512	17.87	131,790	21.55	157,467	26.34	187,430	32.47
	0° F	136,315	20.17	169,262	23.96	201,817	29.14	241,351	36.09
	10° F	175,963	22.53	215,864	26.73	257,631	32.42	307,391	40.27
	20° F	219,228	24.91	269,443	29.76	322,477	36.05	381,579	44.84
	25° F	241,394	26.10	296,904	31.35	356,940	37.92	419,851	47.23
	30° F	264,252	27.28	325,222	32.93	391,540	39.80	459,214	49.63
	45° F	336,720	30.78	411,293	37.62	497,626	45.27	577,782	56.84
95° F	-10° F	91,455	18.26	121,252	22.48	145,317	27.61	171,684	33.79
	0° F	124,974	20.82	157,386	25.15	187,993	30.70	224,064	37.77
	10° F	161,790	23.47	201,526	28.19	240,622	34.31	286,783	42.36
	20° F ⁶	202,028	26.15	251,645	31.53	301,147	38.27	356,623	47.38
	25° F	222,723	27.49	277,504	33.25	333,575	40.32	392,145	50.00
	30° F	243,804	28.83	303,390	35.02	365,494	42.39	428,430	52.64
	45° F ⁶	310,607	32.79	382,203	40.17	462,468	48.43	-	-
105° F	-10° F	82,218	18.44	109,975	23.28	132,490	28.72	154,721	34.90
	0° F	113,155	21.28	145,015	26.20	173,545	32.11	205,702	39.29
	10° F	146,985	24.21	186,753	29.55	223,360	36.05	265,367	44.30
	20° F	183,580	27.20	233,504	33.20	279,595	40.37	-	-
	25° F	-	-	-	-	309,546	42.60	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	72,741	18.40	97,866	23.91	119,002	29.60	-	-
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - Medium Temp		Model Numbers ^{5, 8}			
		NDC10M9A	NDC16M9A	NDC18M9A	NDC20M9A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	36.0	48.7	60.9	65.9
	230 V	33.1	44.6	55.6	60.1
	460 V	16.6	22.3	27.8	30.0
	575 V	13.0	17.6	22.0	23.8
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		2	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		6x36	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		28	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	28	56	56	56
	w/ Flood Control ³	49	87	87	87
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		2,592	2,763	2,760	3,028
Unit Operating Weight - Approximate (lbs.) ⁷		2,355	2,612	2,608	2,876

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	47,146	9.12	65,919	11.30	79,003	13.78	95,094	16.36
	0° F	59,855	9.55	85,639	12.44	102,861	15.04	122,656	17.78
	10° F	76,609	10.23	109,703	13.65	131,895	16.46	155,837	19.47
	20° F	97,291	11.02	138,310	14.88	165,752	17.96	192,466	21.35
	25° F	109,049	11.44	154,214	15.49	183,660	18.72	211,922	22.33
	30° F	121,719	11.85	171,309	16.09	201,993	19.48	231,820	23.33
	45° F	163,650	12.94	226,011	17.83	260,395	21.62	294,027	26.32
95° F	-10° F	44,082	9.45	60,382	11.62	69,376	14.26	83,723	16.92
	0° F	55,211	9.92	78,795	12.91	92,914	15.66	110,972	18.50
	10° F	70,308	10.66	101,179	14.28	120,755	17.25	142,647	20.39
	20° F	89,220	11.57	127,500	15.70	152,512	18.94	177,455	22.50
	25° F	99,975	12.06	142,247	16.41	169,496	19.81	195,569	23.61
	30° F	111,671	12.54	157,893	17.12	186,636	20.67	213,921	24.76
	45° F	150,937	13.91	208,803	19.16	240,068	23.18	-	-
105° F	-10° F	41,483	9.80	54,728	11.89	58,793	14.71	71,074	17.45
	0° F	50,934	10.29	71,853	13.33	82,345	16.23	98,121	19.18
	10° F	64,276	11.10	92,419	14.88	109,179	17.98	128,641	21.28
	20° F	81,270	12.11	116,588	16.48	139,134	19.87	-	-
	25° F	91,119	12.66	130,003	17.30	155,074	20.85	-	-
	30° F	101,736	13.23	144,403	18.10	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	39,508	10.17	49,055	12.11	47,577	15.14	-	-
	0° F	47,155	10.67	64,806	13.70	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Medium Temp		Model Numbers^{5, 8}			
		NDC24M9A	NDC30M9A	NDC44M9A	NDC50M9A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	82.7	95.6	116.6	147.8
	230 V	75.3	87.4	106.4	135.0
	460 V	37.7	43.7	53.2	67.5
	575 V	29.9	34.5	42.1	53.3
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		2	4	4	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	8x60	8x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	94	94	94
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	83	83	92	102
	w/ Flood Control ³	124	124	152	184
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		3,194	3,617	4,222	4,621
Unit Operating Weight - Approximate (lbs.) ⁷		3,108	3,532	4,137	4,536

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	110,144	18.56	127,689	22.83	163,049	26.89	180,569	31.68
	0° F	140,885	20.27	166,353	25.07	212,221	30.06	235,458	35.13
	10° F	179,333	22.44	212,434	27.56	269,250	33.36	299,237	38.68
	20° F	221,915	24.95	265,057	30.18	335,301	36.68	373,589	42.16
	25° F	244,527	26.28	292,204	31.53	370,485	38.33	415,068	43.85
	30° F	267,688	27.65	320,522	32.85	407,474	39.95	458,942	45.47
	45° F	337,950	31.86	409,341	36.65	530,936	44.60	602,073	50.03
95° F	-10° F	98,261	19.58	114,869	23.82	149,840	27.80	166,084	32.62
	0° F	127,833	21.37	152,594	26.23	195,705	31.31	217,368	36.46
	10° F	163,978	23.67	196,453	28.93	248,668	34.96	276,680	40.42
	20° F ⁶	204,151	26.34	245,615	31.83	309,512	38.69	345,322	44.38
	25° F	225,021	27.78	271,051	33.31	342,647	40.55	383,650	46.31
	30° F	246,258	29.27	296,734	34.81	376,845	42.39	424,502	48.23
	45° F ⁶	-	-	377,547	39.12	491,429	47.69	557,816	53.56
105° F	-10° F	84,702	20.51	101,328	24.88	135,673	28.56	150,654	33.42
	0° F	113,558	22.36	138,491	27.44	178,552	32.39	198,552	37.64
	10° F	147,941	24.77	180,190	30.36	227,422	36.42	253,372	42.03
	20° F	-	-	226,005	33.52	283,152	40.56	316,406	46.48
	25° F	-	-	-	-	314,196	42.61	351,649	48.66
	30° F	-	-	-	-	-	-	389,154	50.83
	45° F	-	-	-	-	-	-	-	-
115° F	-10° F	-	-	87,401	26.07	120,890	29.13	134,404	34.06
	0° F	-	-	-	-	-	-	-	-
	10° F	-	-	-	-	-	-	-	-

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - Medium Temp		Model Numbers ^{5, 8}			
		NDC60M9A	NDC70M9A	NDC80M9A	NDC100M8A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	172.6	214.9	234.5	-
	230 V	157.5	195.8	213.9	-
	460 V	78.8	97.9	107.0	129.4
	575 V	62.3	77.6	84.6	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		6	6	8	10
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		8x60	10x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		94	144	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	129	151	198	198
	w/ Flood Control ³	210	259	332	332
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		4,658	5,316	6,240	6,485
Unit Operating Weight - Approximate (lbs.) ⁷		4,572	5,346	6,403	6,648

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	201,025	35.74	263,580	43.11	314,933	52.69	374,860	64.95
	0° F	272,629	40.34	338,524	47.92	403,634	58.29	482,703	72.18
	10° F	351,926	45.05	431,728	53.45	515,261	64.85	614,781	80.53
	20° F	438,456	49.82	538,886	59.52	644,954	72.10	763,158	89.67
	25° F	482,787	52.19	593,809	62.70	713,879	75.83	839,702	94.46
	30° F	528,504	54.56	650,445	65.87	783,080	79.60	918,429	99.26
95° F	45° F	673,440	61.55	822,586	75.25	995,252	90.54	1,155,564	113.68
	-10° F	182,910	36.51	242,503	44.96	290,635	55.23	343,368	67.58
	0° F	249,949	41.65	314,772	50.29	375,986	61.39	448,128	75.54
	10° F	323,580	46.93	403,051	56.38	481,244	68.63	573,566	84.71
	20° F ⁶	404,057	52.30	503,289	63.07	602,294	76.55	713,246	94.75
	25° F	445,445	54.98	555,008	66.50	667,149	80.64	784,289	100.00
105° F	30° F	487,608	57.66	606,780	70.04	730,988	84.78	856,860	105.27
	45° F ⁶	621,214	65.58	764,406	80.33	924,935	96.86	-	-
	-10° F	164,436	36.88	219,950	46.56	264,981	57.45	309,441	69.81
	0° F	226,310	42.56	290,030	52.41	347,090	64.23	411,404	78.58
	10° F	293,971	48.42	373,507	59.10	446,720	72.09	530,735	88.61
	20° F	367,160	54.41	467,008	66.39	559,191	80.74	-	-
115° F	25° F	-	-	-	-	619,093	85.20	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-
	-10° F	145,482	36.79	195,733	47.81	238,004	59.20	-	-
0° F	-	-	-	-	-	-	-	-	
10° F	-	-	-	-	-	-	-	-	

R449a - Med. Temp

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
2 - Based on 80% full at 90°F ambient.
3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
4 - KW is for the unit.
5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
7 - Operating weight reflects flooded refrigerant charge.
8 - Dual units are standard with dual electrical and refrigerant circuiting.
9 - Size based on mounted optional suction line trim.
“-” - Consult your local Century Representative.
NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for “M” and “H” models, and 5°F for “L” models. Failure to consider this may result in liquid line flashing and resultant poor system performance.
NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - High Temp		Model Numbers ^{5, 8}			
		NSC05H9A	NSC08H9A	NSC09H9A	NSC10H9A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		1	1	1	1
MCA ¹ per circuit	208 V	36.0	53.3	65.5	70.5
	230 V	33.1	49.2	60.2	64.7
	460 V	16.6	24.6	30.1	32.3
	575 V	13.0	19.2	23.6	25.4
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		1	2	2	2
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.) ²		65	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	41	57	60	68
	w/ Flood Control ³	72	98	100	129
Suction Connection per circuit - ODS (in.) ⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		1,350	1,598	1,732	1,934
Unit Operating Weight - Approximate (lbs.) ⁷		1,305	1,554	1,687	1,889

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	23,746	4.53	33,508	6.70	40,722	7.90	49,915	9.09
	0° F	30,253	4.74	43,625	7.23	52,937	8.47	64,220	9.69
	10° F	38,874	5.06	56,103	7.78	68,039	9.09	81,807	10.37
	20° F	49,538	5.43	71,092	8.31	85,931	9.72	102,733	11.05
	25° F	55,629	5.61	79,552	8.55	95,949	10.01	114,386	11.37
	30° F	62,202	5.79	88,653	8.79	106,555	10.29	126,860	11.67
	45° F	84,752	6.21	119,929	9.38	142,096	10.96	168,660	12.38
95° F	-10° F	22,188	4.70	30,744	6.87	36,092	8.15	44,670	9.40
	0° F	27,914	4.92	40,220	7.48	48,171	8.80	58,804	10.09
	10° F	35,696	5.28	51,844	8.11	62,637	9.51	75,729	10.87
	20° F ⁶	45,485	5.70	65,747	8.74	79,441	10.24	95,388	11.69
	25° F	51,081	5.93	73,555	9.04	88,716	10.59	106,254	12.08
	30° F	57,177	6.14	81,987	9.33	98,511	10.94	117,750	12.47
105° F	45° F ⁶	78,144	6.71	110,872	10.10	130,917	11.82	156,054	13.43
	-10° F	20,849	4.87	27,924	7.01	30,906	8.39	38,577	9.68
	0° F	25,745	5.11	36,742	7.70	42,912	9.10	52,678	10.45
	10° F	32,636	5.50	47,504	8.42	56,861	9.91	69,013	11.35
	20° F	41,474	5.98	60,274	9.15	72,764	10.74	87,580	12.30
	25° F	46,587	6.24	67,468	9.51	81,364	11.15	97,666	12.77
115° F	30° F	52,146	6.49	75,183	9.85	90,427	11.55	108,314	13.23
	45° F	71,467	7.21	101,673	10.80	119,932	12.64	143,257	14.46
	-10° F	19,811	5.05	25,080	7.13	25,281	8.61	31,761	9.96
	0° F	23,798	5.30	33,248	7.90	37,367	9.39	45,868	10.82
	10° F	29,738	5.72	43,102	8.71	50,918	10.28	61,720	11.82
	20° F	-	-	54,766	9.54	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

R449a - High Temp

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - High Temp		Model Numbers^{5, 8}			
		NSC12H9A	NSC15H9A	NSC22H9A	NSC25H9A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	87.3	100.2	125.8	152.4
	230 V	79.9	92.0	115.6	139.6
	460 V	40.0	46.0	57.8	69.8
	575 V	31.5	36.1	45.3	54.9
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		2	3	4	4
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	10x60	12x60
Receiver Capacity 80% Full per circuit (lbs.)²		94	94	144	202
Unit Operating Charge per circuit (approx. lbs.)	Standard³	99	100	122	156
	w/ Flood Control³	181	181	230	291
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		2,057	2,154	2,578	2,980
Unit Operating Weight - Approximate (lbs.)⁷		2,046	2,142	2,624	3,092

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	57,547	10.02	65,760	12.31	83,363	15.43	91,889	16.76
	0° F	73,651	10.77	85,592	13.33	108,900	16.88	120,084	18.37
	10° F	94,451	11.67	109,748	14.41	139,044	18.31	153,398	19.96
	20° F	119,551	12.62	138,166	15.49	174,503	19.67	192,721	21.43
	25° F	133,525	13.10	153,903	16.01	194,470	20.30	214,889	22.10
	30° F	148,416	13.56	170,699	16.49	216,121	20.87	238,826	22.72
	45° F	197,398	14.76	226,657	17.70	291,088	22.28	322,393	24.15
95° F	-10° F	52,097	10.58	59,519	12.80	76,856	15.93	84,758	17.27
	0° F	67,653	11.37	78,889	13.91	100,825	17.55	111,236	19.08
	10° F	87,308	12.35	101,858	15.11	128,905	19.18	142,287	20.88
	20° F ⁶	110,652	13.42	128,253	16.35	161,795	20.76	178,696	22.62
	25° F	123,560	13.97	142,846	16.94	180,237	21.52	199,184	23.43
	30° F	137,254	14.50	158,163	17.52	200,231	22.22	221,415	24.19
105° F	45° F ⁶	181,873	15.98	208,924	19.03	269,844	24.02	298,952	26.07
	-10° F	45,727	11.09	52,827	13.33	69,955	16.34	77,134	17.70
	0° F	60,889	11.93	71,908	14.51	92,345	18.14	101,943	19.70
	10° F	79,588	12.98	93,703	15.84	118,325	19.99	130,692	21.75
	20° F	101,303	14.17	118,340	17.21	148,673	21.80	164,314	23.74
	25° F	113,250	14.78	131,706	17.88	165,821	22.65	183,263	24.68
115° F	30° F	125,762	15.40	145,694	18.55	184,188	23.49	203,700	25.59
	45° F	166,307	17.14	191,480	20.35	248,422	25.69	275,301	27.94
	-10° F	38,536	11.55	45,862	13.91	62,609	16.67	69,075	18.05
	0° F	53,451	12.42	64,718	15.16	83,525	18.65	92,197	20.26
	10° F	71,292	13.56	85,576	16.58	107,540	20.70	118,775	22.53
	20° F	-	-	-	-	-	-	149,682	24.78
	25° F	-	-	-	-	-	-	-	-
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - High Temp		Model Numbers^{5, 8}			
		NSC30H9A	NSC35H9A	NSC40H9A	NSC50H9A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		1	1	1	1
MCA¹ per circuit	208 V	181.8	228.7	243.7	-
	230 V	166.7	209.6	223.1	-
	460 V	83.4	104.8	111.6	131.7
	575 V	65.5	82.4	87.8	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		5	6	6	6
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		12x60	12x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.)²		202	202	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard³	175	188	209	209
	w/ Flood Control³	309	347	370	370
Suction Connection per circuit - ODS (in.)⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		3,081	3,440	3,466	3,512
Unit Operating Weight - Approximate (lbs.)⁷		3,194	3,552	3,579	3,625

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	103,114	19.86	134,565	24.45	159,023	28.28	189,391	33.31
	0° F	140,358	21.95	173,001	26.62	204,064	30.92	243,978	36.76
	10° F	182,050	24.00	221,382	29.07	261,034	33.99	311,320	40.70
	20° F	228,778	25.94	278,530	31.61	327,891	37.33	389,193	44.96
	25° F	254,154	26.84	309,841	32.89	364,497	39.00	431,408	47.13
	30° F	280,851	27.70	342,674	34.15	402,732	40.67	473,362	49.32
95° F	45° F	369,591	29.94	448,858	37.55	520,875	45.35	603,033	55.65
	-10° F	94,112	20.33	124,214	25.44	147,038	29.58	173,811	34.67
	0° F	129,222	22.71	161,328	27.88	190,232	32.53	226,876	38.49
	10° F	168,388	25.08	207,236	30.61	244,117	35.94	290,757	42.87
	20° F ⁶	212,130	27.35	260,601	33.48	306,647	39.61	363,714	47.56
	25° F	235,766	28.44	289,690	34.92	340,449	41.50	402,866	49.97
105° F	30° F	260,729	29.48	320,026	36.35	375,710	43.36	442,334	52.39
	45° F ⁶	343,166	32.31	417,166	40.27	484,432	48.66	560,661	59.49
	-10° F	84,832	20.60	113,259	26.30	134,421	30.72	157,038	35.83
	0° F	117,549	23.29	149,228	29.02	176,012	33.99	208,749	40.07
	10° F	153,883	25.98	192,754	32.06	226,875	37.75	269,589	44.88
	20° F	194,207	28.61	242,628	35.27	285,096	41.81	337,772	50.05
115° F	25° F	216,091	29.88	269,461	36.90	316,317	43.89	373,791	52.73
	30° F	239,030	31.11	297,392	38.50	348,690	45.95	-	-
	45° F	315,184	34.50	385,521	43.00	-	-	-	-
	-10° F	75,362	20.64	101,424	27.00	120,956	31.66	138,804	36.76
	0° F	105,271	23.64	136,417	30.02	161,214	35.25	-	-
	10° F	138,453	26.67	177,729	33.40	-	-	-	-
	20° F	-	-	-	-	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-

R449a - High Temp

- 1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.
- 2 - Based on 80% full at 90°F ambient.
- 3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)
- 4 - KW is for the unit.
- 5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.
- 6 - Rated in accordance with ANSI/AHRI Standard 520-2004.
- 7 - Operating weight reflects flooded refrigerant charge.
- 8 - Dual units are standard with dual electrical and refrigerant circuiting.
- 9 - Size based on mounted optional suction line trim.
- "-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - High Temp		Model Numbers^{5, 8}			
		NDC10H9A	NDC16H9A	NDC18H9A	NDC20H9A
Compressor Model Number		2DD3R63KE	2DA3R89KE	3DA3R10ME	3DB3R12ME
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	36.0	53.3	65.5	70.5
	230 V	33.1	49.2	60.2	64.7
	460 V	16.6	24.6	30.1	32.3
	575 V	13.0	19.2	23.6	25.4
Compressor RLA (each)	208 V	24.3	34.5	44.2	48.2
	230 V	22.0	31.2	40.0	43.6
	460 V	11.0	15.6	20.0	21.8
	575 V	8.8	12.5	16.0	17.4
Total Number of Condenser Fan Motors		2	4	4	4
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x42	8x42	8x42	8x42
Receiver Capacity 80% Full per circuit (lbs.)²		65	65	65	65
Unit Operating Charge per circuit (approx. lbs.)	Standard³	41	57	60	68
	w/ Flood Control³	72	98	100	129
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 3/8	1 3/8	1 3/8
Liquid Line Connection per circuit - ODS (in.)		5/8	7/8	7/8	7/8
Unit Shipping Weight - Approximate (lbs.)		2,721	3,218	3,484	3,890
Unit Operating Weight - Approximate (lbs.)⁷		2,569	3,066	3,333	3,739

Capacity Ratings		Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	47,492	9.06	67,017	13.39	81,443	15.80	99,829	18.18
	0° F	60,506	9.48	87,250	14.46	105,873	16.95	128,441	19.39
	10° F	77,749	10.11	112,206	15.55	136,078	18.19	163,614	20.74
	20° F	99,077	10.85	142,184	16.61	171,863	19.43	205,466	22.10
	25° F	111,257	11.22	159,105	17.11	191,899	20.01	228,772	22.75
	30° F	124,405	11.58	177,306	17.58	213,110	20.57	253,721	23.35
	45° F	169,505	12.42	239,858	18.76	284,192	21.91	337,319	24.77
95° F	-10° F	44,375	9.40	61,488	13.74	72,184	16.30	89,341	18.79
	0° F	55,827	9.84	80,440	14.96	96,341	17.60	117,608	20.17
	10° F	71,391	10.56	103,689	16.22	125,274	19.02	151,457	21.74
	20° F ⁶	90,970	11.41	131,495	17.48	158,882	20.48	190,777	23.37
	25° F	102,163	11.85	147,109	18.08	177,432	21.19	212,508	24.16
	30° F	114,355	12.28	163,975	18.66	197,023	21.87	235,499	24.93
105° F	45° F ⁶	156,289	13.42	221,743	20.19	261,834	23.64	312,108	26.86
	-10° F	41,699	9.74	55,848	14.03	61,812	16.77	77,154	19.36
	0° F	51,489	10.21	73,485	15.40	85,824	18.21	105,357	20.91
	10° F	65,273	11.00	95,007	16.84	113,723	19.81	138,027	22.70
	20° F	82,948	11.96	120,548	18.30	145,528	21.47	175,160	24.59
	25° F	93,174	12.47	134,935	19.01	162,727	22.30	195,332	25.54
115° F	30° F	104,292	12.99	150,367	19.71	180,854	23.10	216,629	26.46
	45° F	142,934	14.42	203,345	21.61	239,863	25.29	286,513	28.92
	-10° F	39,622	10.11	50,160	14.26	50,562	17.22	63,523	19.92
	0° F	47,596	10.60	66,496	15.79	74,734	18.78	91,736	21.64
	10° F	59,476	11.45	86,204	17.42	101,837	20.56	123,441	23.64
	20° F	-	-	109,533	19.08	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

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5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

R-449a - High Temp		Model Numbers^{5, 8}			
		NDC24H9A	NDC30H9A	NDC44H9A	NDC50H9A
Compressor Model Number		3DF3R15ME	3DS3R17ME	4DBNR20ME	4DHNR22ME
Quantity of Compressors		2	2	2	2
MCA¹ per circuit	208 V	87.3	100.2	125.8	152.4
	230 V	79.9	92.0	115.6	139.6
	460 V	40.0	46.0	57.8	69.8
	575 V	31.5	36.1	45.3	54.9
Compressor RLA (each)	208 V	61.7	68.3	85.1	106.4
	230 V	55.8	61.8	77.0	96.2
	460 V	27.9	30.9	38.5	48.1
	575 V	22.3	24.7	30.8	38.5
Total Number of Condenser Fan Motors		4	6	8	8
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	4.6
	230 V	4.6	4.6	4.6	4.6
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	1.6
Receiver Size per circuit (in.)		8x60	8x60	10x60	12x60
Receiver Capacity 80% Full per circuit (lbs.)²		94	94	144	202
Unit Operating Charge per circuit (approx. lbs.)	Standard³	99	100	122	156
	w/ Flood Control³	181	181	230	291
Suction Connection per circuit - ODS (in.)⁹		1 3/8	1 5/8	2 1/8	2 1/8
Liquid Line Connection per circuit - ODS (in.)		1 1/8	1 1/8	1 1/8	1 1/8
Unit Shipping Weight - Approximate (lbs.)		4,130	4,329	5,177	5,993
Unit Operating Weight - Approximate (lbs.)⁷		4,045	4,244	5,207	6,156

Capacity Ratings									
Ambient Temp.	Suction Temp.	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴	Capacity	KW⁴
85° F	-10° F	115,094	20.04	131,519	24.61	166,726	30.85	183,778	33.52
	0° F	147,301	21.54	171,183	26.65	217,799	33.75	240,168	36.75
	10° F	188,902	23.33	219,495	28.83	278,088	36.62	306,797	39.92
	20° F	239,103	25.24	276,331	30.98	349,006	39.34	385,441	42.86
	25° F	267,051	26.20	307,806	32.02	388,939	40.59	429,779	44.20
	30° F	296,831	27.11	341,399	32.98	432,242	41.73	477,652	45.44
95° F	45° F	394,796	29.53	453,314	35.39	582,176	44.57	644,785	48.30
	-10° F	104,194	21.16	119,038	25.60	153,711	31.85	169,517	34.53
	0° F	135,305	22.75	157,777	27.82	201,650	35.10	222,472	38.15
	10° F	174,616	24.70	203,715	30.23	257,810	38.36	284,574	41.77
	20° F ⁶	221,304	26.84	256,506	32.70	323,590	41.53	357,392	45.24
	25° F	247,119	27.93	285,691	33.88	360,474	43.03	398,369	46.86
105° F	30° F	274,508	29.00	316,325	35.05	400,462	44.44	442,831	48.37
	45° F ⁶	363,747	31.95	417,849	38.07	539,688	48.04	597,904	52.14
	-10° F	91,455	22.19	105,654	26.66	139,909	32.68	154,268	35.39
	0° F	121,777	23.86	143,816	29.02	184,691	36.29	203,886	39.41
	10° F	159,175	25.96	187,405	31.67	236,650	39.98	261,384	43.50
	20° F	202,606	28.34	236,680	34.41	297,347	43.59	328,627	47.48
115° F	25° F	226,500	29.57	263,412	35.77	331,641	45.30	366,525	49.37
	30° F	251,525	30.80	291,388	37.10	368,376	46.98	407,400	51.18
	45° F	332,613	34.29	382,961	40.71	496,843	51.38	550,602	55.88
	-10° F	77,072	23.09	91,724	27.81	125,218	33.34	138,151	36.09
	0° F	106,902	24.85	129,437	30.31	167,050	37.30	184,394	40.52
	10° F	142,584	27.11	171,153	33.16	215,079	41.39	237,550	45.07
	20° F	-	-	-	-	-	-	299,365	49.57
	25° F	-	-	-	-	-	-	-	-
	30° F	-	-	-	-	-	-	-	-
	45° F	-	-	-	-	-	-	-	-

R449a - High Temp

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

R-449a - High Temp		Model Numbers ^{5, 8}			
		NDC60H9A	NDC70H9A	NDC80H9A	NDC100H9A
Compressor Model Number		4DJNR28ME	6DHNR35ME	6DJNR40ME	6DUNR49ME
Quantity of Compressors		2	2	2	2
MCA ¹ per circuit	208 V	181.8	228.7	243.7	-
	230 V	166.7	209.6	223.1	-
	460 V	83.4	104.8	111.6	131.7
	575 V	65.5	82.4	87.8	-
Compressor RLA (each)	208 V	126.3	160.1	172.1	-
	230 V	114.2	144.8	155.6	-
	460 V	57.1	72.4	77.8	93.9
	575 V	45.7	57.9	62.2	-
Total Number of Condenser Fan Motors		10	12	12	12
Size of Motor (HP)		1	1	1	1
Diameter of Blade (in.)		28	28	28	28
Condenser Fan Motor Amps (each)	208 V	4.6	4.6	4.6	-
	230 V	4.6	4.6	4.6	-
	460 V	2.3	2.3	2.3	2.3
	575 V	1.6	1.6	1.6	-
Receiver Size per circuit (in.)		12x60	12x60	12x60	12x60
Receiver Capacity 80% Full per circuit (lbs.) ²		202	202	202	202
Unit Operating Charge per circuit (approx. lbs.)	Standard ³	175	188	209	209
	w/ Flood Control ³	309	347	370	370
Suction Connection per circuit - ODS (in.) ⁹		2 1/8	2 1/8	2 1/8	2 5/8
Liquid Line Connection per circuit - ODS (in.)		1 3/8	1 3/8	1 5/8	1 5/8
Unit Shipping Weight - Approximate (lbs.)		6,194	6,913	6,966	7,056
Unit Operating Weight - Approximate (lbs.) ⁷		6,357	7,076	7,129	7,220

Capacity Ratings		Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴	Capacity	KW ⁴
Ambient Temp.	Suction Temp.								
85° F	-10° F	206,228	39.73	269,129	48.90	318,047	56.56	378,783	66.62
	0° F	280,716	43.90	346,002	53.24	408,127	61.84	487,957	73.52
	10° F	364,099	48.00	442,763	58.13	522,067	67.99	622,639	81.40
	20° F	457,555	51.87	557,060	63.22	655,782	74.65	778,386	89.91
	25° F	508,308	53.68	619,681	65.77	728,995	78.01	862,815	94.26
	30° F	561,703	55.40	685,348	68.30	805,463	81.35	946,724	98.64
	45° F	739,183	59.87	897,717	75.09	1,041,751	90.71	1,206,066	111.30
95° F	-10° F	188,224	40.66	248,428	50.88	294,077	59.15	347,623	69.34
	0° F	258,444	45.42	322,657	55.75	380,465	65.07	453,752	76.99
	10° F	336,776	50.16	414,471	61.21	488,235	71.87	581,514	85.74
	20° F ⁶	424,260	54.71	521,202	66.97	613,295	79.22	727,429	95.12
	25° F	471,532	56.89	579,379	69.84	680,897	83.00	805,733	99.93
	30° F	521,457	58.96	640,053	72.70	751,419	86.73	884,669	104.78
105° F	45° F ⁶	686,333	64.62	834,331	80.55	968,864	97.33	1,121,322	118.98
	-10° F	169,664	41.20	226,518	52.59	268,843	61.45	314,076	71.66
	0° F	235,099	46.57	298,455	58.04	352,025	67.99	417,497	80.14
	10° F	307,766	51.95	385,509	64.13	453,749	75.51	539,178	89.76
	20° F	388,413	57.22	485,257	70.54	570,193	83.62	675,545	100.11
	25° F	432,182	59.75	538,922	73.79	632,633	87.77	747,582	105.46
115° F	30° F	478,059	62.22	594,785	76.99	697,379	91.90	-	-
	45° F	630,369	69.01	771,042	86.01	-	-	-	-
	-10° F	150,724	41.28	202,848	54.00	241,912	63.32	277,607	73.51
	0° F	210,542	47.28	272,833	60.05	322,429	70.49	-	-
	10° F	276,907	53.34	355,458	66.80	-	-	-	-
	20° F	-	-	-	-	-	-	-	-
	25° F	-	-	-	-	-	-	-	-
30° F	-	-	-	-	-	-	-	-	
45° F	-	-	-	-	-	-	-	-	

1 - MCA (Minimum Circuit Ampacity) is calculated based on all concurrent loads applied to the circuit. (Largest load x 1.25 + 100% of all other loads including the control circuit.) Unit cooler amperages not included.

2 - Based on 80% full at 90°F ambient.

3 - Based on 100 ft. of equivalent refrigerant line piping. (Does not include the evaporator.)

4 - KW is for the unit.

5 - If single circuit option is selected for NDC models, some of the unit details listed above will change. Contact your local Century Representative for details.

NOTE: Liquid line sizing and piping run must be sized not to exceed sub cooling design of 10°F for "M" and "H" models, and 5°F for "L" models. Failure to consider this may result in liquid line flashing and resultant poor system performance.

NOTE: Compressor amps are based on the maximum cataloged suction temperature for the condensing unit. Limiting the operation to this envelope is required via a MOP expansion valve or other means.

6 - Rated in accordance with ANSI/AHRI Standard 520-2004.

7 - Operating weight reflects flooded refrigerant charge.

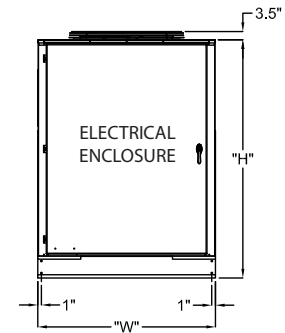
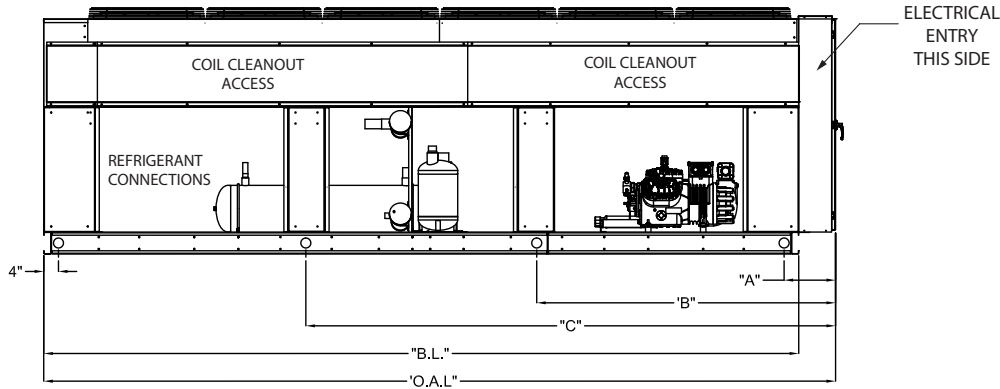
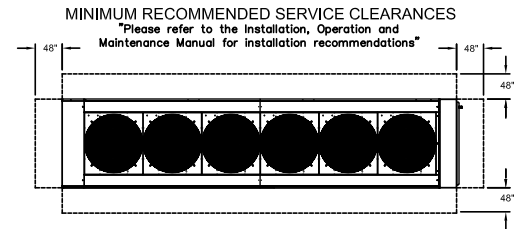
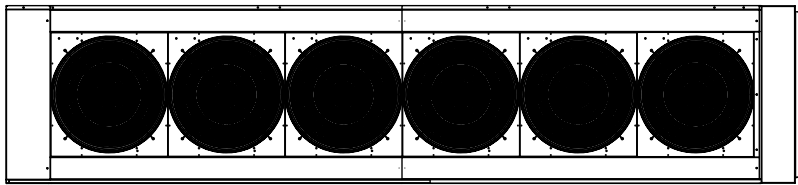
8 - Dual units are standard with dual electrical and refrigerant circuiting.

9 - Size based on mounted optional suction line trim.

"-" - Consult your local Century Representative.

DIMENSIONAL DATA

NSC Dimensions



- ⌀2 1/2" DIA. RIGGING HOLES
- * 5/8" DIA. UNIT MOUNTING HOLES
- ALL DIMENSIONS +/- 1/2"

High Temp Models

Unit Model	O.A.L	B.L.	W	H	A	B	C
NSC05H	88	78	48 1/2	65	4	-	-
NSC08H	88	78	48 1/2	65	4	-	-
NSC09H	120	110	48 1/2	65	4	55	-
NSC10H	120	110	48 1/2	65	4	55	-
NSC12H	120	110	48 1/2	65	4	55	-
NSC15H	120	110	48 1/2	65	4	55	-
NSC22H	152	142	48 1/2	65	4	71	-
NSC25H	184	174	48 1/2	65	4	61	113
NSC30H	184	174	48 1/2	65	4	61	113
NSC35H	216	206	48 1/2	65	4	71 1/2	134 1/2
NSC40H	216	206	48 1/2	65	4	71 1/2	134 1/2
NSC50H	216	206	48 1/2	65	4	71 1/2	134 1/2

¹ All dimensions in inches

DIMENSIONAL DATA

Medium Temp Models

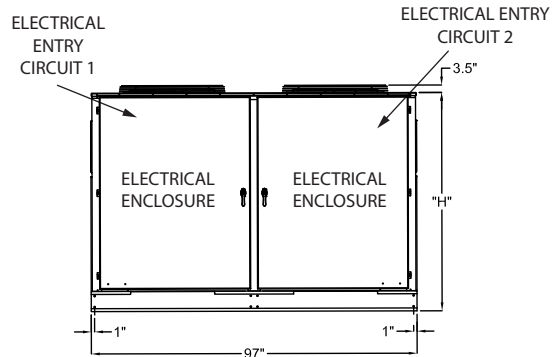
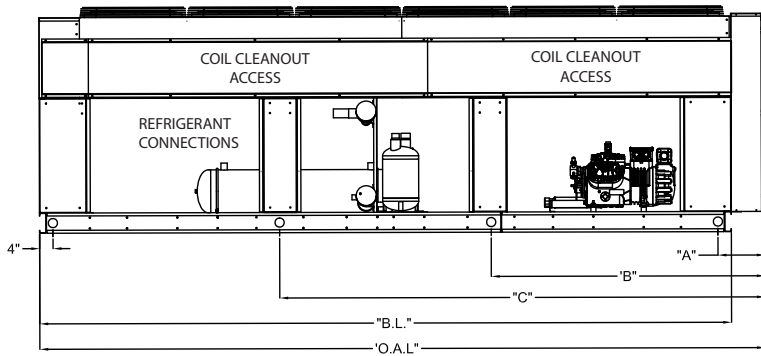
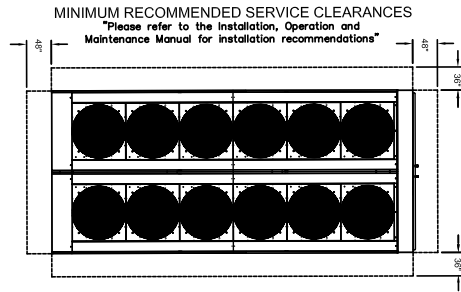
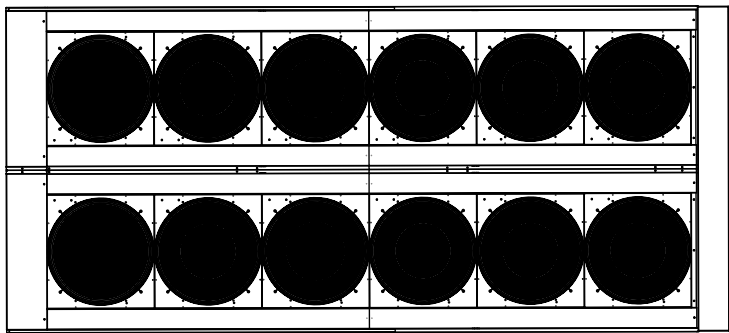
Unit Model	O.A.L	B.L.	W	H	A	B	C
NSC05M	88	78	48 1/2	65	4	-	-
NSC08M	88	78	48 1/2	65	4	-	-
NSC09M	88	78	48 1/2	65	4	-	-
NSC10M	88	78	48 1/2	65	4	-	-
NSC12M	88	78	48 1/2	65	4	-	-
NSC15M	88	78	48 1/2	65	4	-	-
NSC22M	120	110	48 1/2	65	4	55	-
NSC25M	120	110	48 1/2	65	4	55	-
NSC30M	120	110	48 1/2	65	4	55	-
NSC35M	152	142	48 1/2	65	4	71	-
NSC40M	184	174	48 1/2	65	4	61	113
NSC50M	184	174	48 1/2	65	4	61	113

Low Temp Models

Unit Model	O.A.L	B.L.	W	H	A	B	C
NSC03L	88	78	48 1/2	65	4	-	-
NSC04L	88	78	48 1/2	65	4	-	-
NSC05L	88	78	48 1/2	65	4	-	-
NSC08L	88	78	48 1/2	65	4	-	-
NSC10L	88	78	48 1/2	65	4	-	-
NSC12L	88	78	48 1/2	65	4	-	-
NSC15L	88	78	48 1/2	65	4	-	-
NSC22L	120	110	48 1/2	65	4	55	-
NSC25L	152	142	48 1/2	65	4	71	-
NSC30L	152	142	48 1/2	65	4	71	-
NSC40L	184	174	48 1/2	65	4	61	113

¹ All dimensions in inches

DIMENSIONAL DATA



- ⌀ 2 1/2" DIA. RIGGING HOLES
- * 5/8" DIA. UNIT MOUNTING HOLES
- ALL DIMENSIONS +/- 1/2"

High Temp Models

Unit Model	O.A.L.	B.L.	W	H	A	B	C
NDC10H	88	78	97	65	4	-	-
NDC16H	88	78	97	65	4	-	-
NDC20H	120	110	97	65	4	55	-
NDC24H	120	110	97	65	4	55	-
NDC30H	120	110	97	65	4	55	-
NDC44H	152	142	97	65	4	71	-
NDC50H	184	174	97	65	4	61	113
NDC60H	184	174	97	65	4	61	113
NDC70H	216	206	97	65	4	71 1/2	134 1/2
NDC80H	216	206	97	65	4	71 1/2	134 1/2
NDC100H	216	206	97	65	4	71 1/2	134 1/2

¹ All dimensions in inches

DIMENSIONAL DATA

Medium Temp Models

Unit Model	O.A.L.	B.L.	W	H	A	B	C
NDC10M	88	78	97	65	4	-	-
NDC16M	88	78	97	65	4	-	-
NDC18M	88	78	97	65	4	-	-
NDC20M	88	78	97	65	4	-	-
NDC24M	88	78	97	65	4	-	-
NDC30M	88	78	97	65	4	-	-
NDC44M	120	110	97	65	4	55	-
NDC50M	120	110	97	65	4	55	-
NDC60M	120	110	97	65	4	55	-
NDC70M	152	142	97	65	4	71	-
NDC80M	184	174	97	65	4	61	113
NDC100M	184	174	97	65	4	61	113

Low Temp Models

Unit Model	O.A.L.	B.L.	W	H	A	B	C
NDC06L	88	78	97	65	4	-	-
NDC08L	88	78	97	65	4	-	-
NDC10L	88	78	97	65	4	-	-
NDC16L	88	78	97	65	4	-	-
NDC20L	88	78	97	65	4	-	-
NDC24L	88	78	97	65	4	-	-
NDC30L	88	78	97	65	4	-	-
NDC44L	120	110	97	65	4	55	-
NDC50L	152	142	97	65	4	71	-
NDC60L	152	142	97	65	4	71	-
NDC80L	184	174	97	65	4	61	113

¹ All dimensions in inches

AWEF Tables

AWEF Data							
	R448a	R449a	R407a	R407c	R407f	R507	R404a
NSC03L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC04L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC05L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC08L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC10L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC12L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC15L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC22L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC25L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC30L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NSC40L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC06L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC08L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC10L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC16L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC20L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC24L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC30L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC44L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC50L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC60L	3.15	3.15	3.15	3.15	3.15	3.15	3.15
NDC80L	3.15	3.15	3.15	3.15	3.15	3.15	3.15

AWEF Data							
	R448a	R449a	R407a	R407c	R407f	R507	R404a
NSC05H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC08H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC09H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC10H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC12H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC15H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC22H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC25H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC30H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC35H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC40H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC50H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC10H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC16H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC18H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC20H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC24H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC30H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC44H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC50H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC60H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC70H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC80H	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC100H	7.6	7.6	7.6	7.6	7.6	7.6	7.6

AWEF Data							
	R448a	R449a	R407a	R407c	R407f	R507	R404a
NSC05M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC08M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC09M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC10M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC12M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC15M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC22M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC25M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC30M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC35M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC40M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NSC50M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC10M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC16M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC18M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC20M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC24M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC30M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC44M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC50M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC60M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC70M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC80M	7.6	7.6	7.6	7.6	7.6	7.6	7.6
NDC100M	7.6	7.6	7.6	7.6	7.6	7.6	7.6

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- Stationary Engineer requirements
- PLC (Microprocessor) controls
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