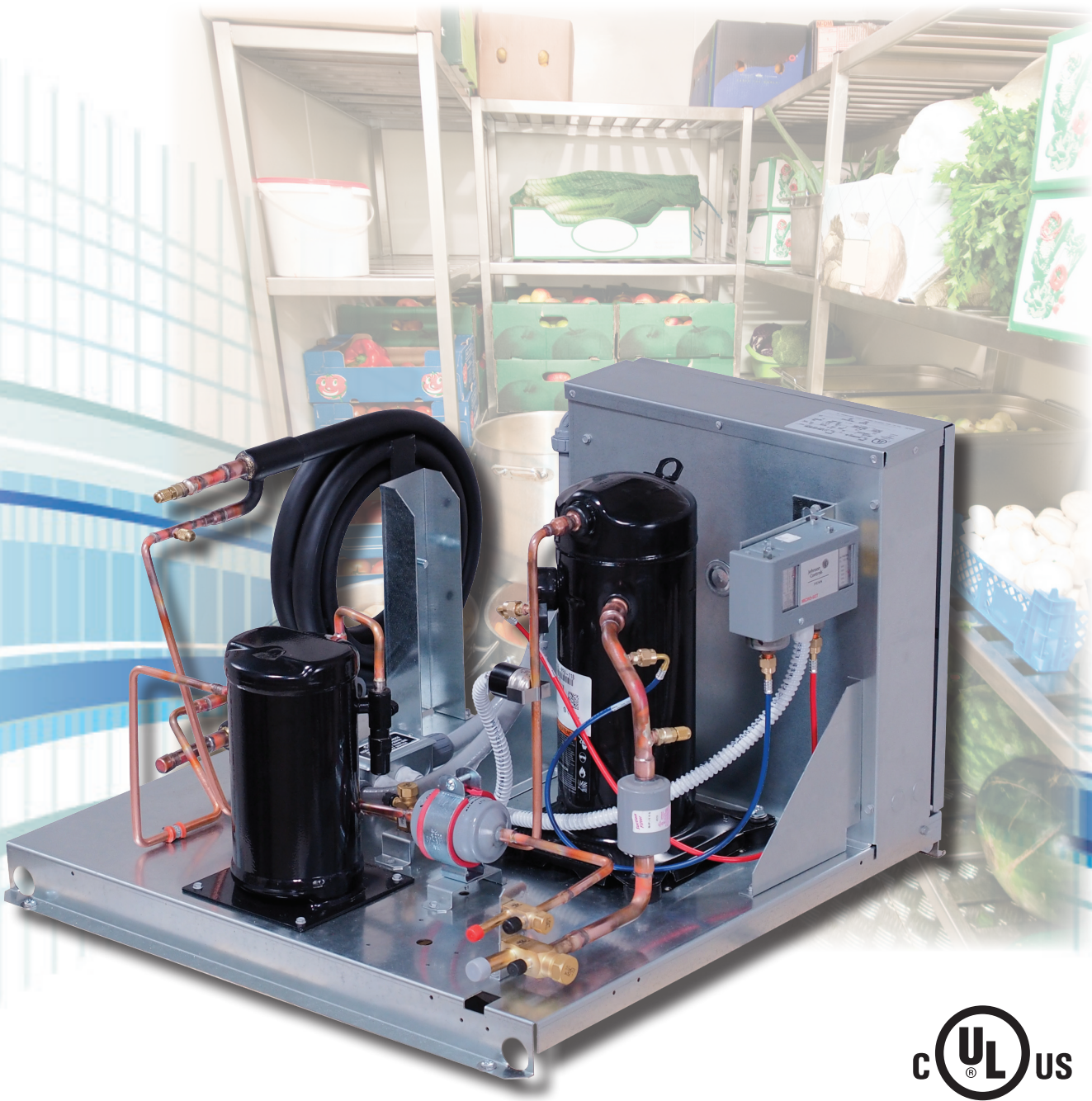




Publication No. RU-RWC-1023A
Replaces RU-RWC-1022A

Next-Gen WC-Series™

1/2 TO 6 HP INDOOR WATER COOLED CONDENSING UNITS



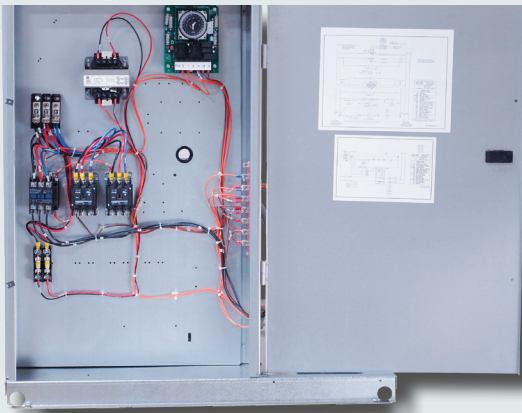
1/2 TO 6 HP NEXT-GEN WC-SERIES

Compact and Efficient Water Cooled Units

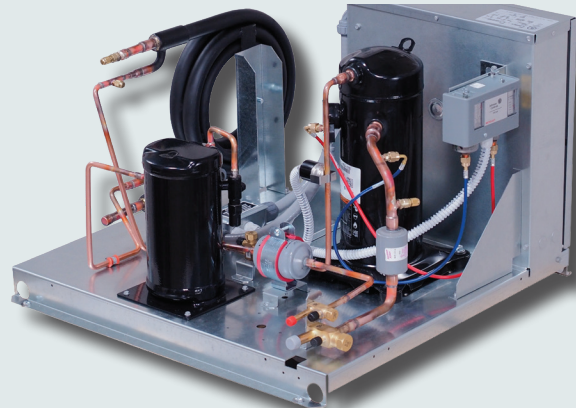
Next-Gen WC-Series™ Water Cooled Condensing Units capitalize on the Next-Gen MiniCon's award-winning design success. This exciting product offering features greater serviceability, increased unit efficiency, and is compatible for use with low GWP refrigerants. The improvements start with mechanically formed pre-bent tubing for reduced leak potential, high efficiency water cooled coaxial condenser and heat exchange, base mounted shut-off valves, a large electrical control panel with removable door and abundant room for standard components and system accessories along with color-coded and numbered point-to-point wiring that assist in easy service and unit maintenance.

Standard Features

- Hermetic or quiet and efficient Scroll compressor
- High efficiency water cooled coaxial condenser
- Base mounted shut-off valves
- Liquid line kit with filter/drier and sight glass with moisture indicator
- Suction and discharge service valves (as required)
- Compressor contactor or start kit (as required)
- Suction line piping (filter optional)
- Color-coded point-to-point wiring
- Large electrical panel with hinged/removable door
- Refrigerant receiver with isolation valve and pressure relief plug
- Adjustable high pressure (auto reset) and low pressure (auto reset) controls
- Electronic defrost timer with defrost contactor/relay on low temperature models (2 evaps. maximum)
- Electronic air defrost timer (Medium temperature models only)
- UL and cUL listed for indoor use



Easy access / removable control panel door
Color-coded wiring and diagrams for easy maintenance



High efficiency water cooled coaxial condenser and heat exchange

Options

- Suction accumulator
- Oil separator (may not be available with mounted accumulator)
- Thru-the-door fused disconnect for base sizes FW2 through FW4
- External fused or non-fused disconnect - loose
- Pump down toggle switch
- Replaceable core liquid filter
- Sealed suction filter
- Replaceable core suction filter
- Phase loss monitor
- Air or Electric Defrost provisions (requires optional control panel)
- Water regulating valve - loose
- Liquid line solenoid - loose
- Cupronickel heat exchanger and water piping
- Paragon mechanical timer in lieu of electronic timer
- Timer shipped loose in enclosure
- CPC timer
- 50 Hz timer and/or defrost kit
- Two-tier stacking rack

INDOOR WATER COOLED CONDENSING UNITS

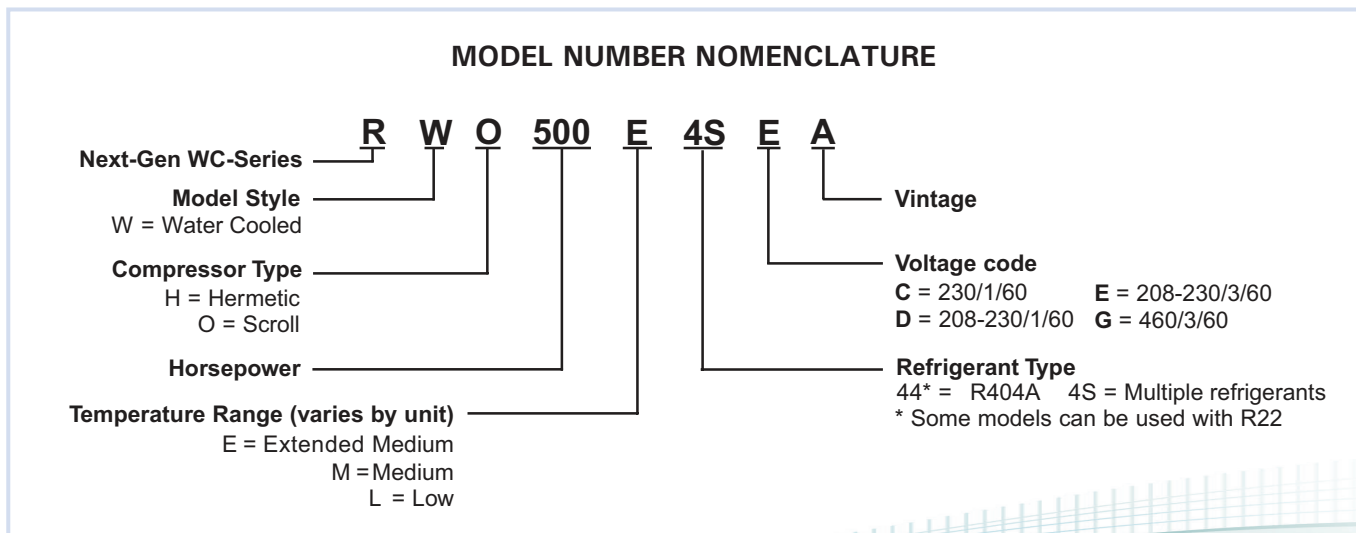
Features and Options

	DESCRIPTION	RWH	RWO
CABINET	Galvanized steel frame	STANDARD	
	316 stainless steel	OPTIONAL	
	Large control panel for power and control circuits	STANDARD	
	Hinged / removable control panel door	STANDARD	
COMPRESSOR	Hermetic	STD	N/A
	Scroll	N/A	STD
ELECTRICAL	Crankcase heater	OPTIONAL	
	Compressor contactor (1Ø or 3Ø), start kit (1Ø)	STANDARD	
	Control transformer (460V to 230V) as required	STANDARD	
	Adjustable high and low pressure controls	STANDARD	
	Color-coded wiring for maximum serviceability	STANDARD	
HIGH EFFICIENCY CONDENSER	High efficiency water cooled coaxial condenser	STANDARD	
	Cupronickel heat exchanger and water piping	OPTIONAL	
	Water regulating valve	OPTIONAL	
PIPING COMPONENTS	Base mounted liquid and suction shut-off valves	STANDARD	
	Suction line (piping only)	STANDARD	
	Suction kit (piping and sealed suction filter)	OPTIONAL	
	Suction line accumulator	OPTIONAL	
	Replaceable core liquid filter	OPTIONAL	
	Replaceable core suction filter	OPTIONAL	
	*Liquid line kit	STANDARD	
RECEIVER	Receiver isolation valve	STANDARD	
	Pressure relief plug	STANDARD	
	Pressure relief valve	OPTIONAL	
DEFROST PROVISIONS	^Electronic air defrost time clock for medium temps.	STANDARD	
	Mechanical defrost timer	OPTIONAL	
	50 HZ defrost timers with or without contactors	OPTIONAL	
	Electric defrost	(1)	(1)
TESTING	UL and C-UL listed	STANDARD	
	Hydrogen leak and dielectric tested before shipping	STANDARD	
	Dry nitrogen shipping charge (25 to 35 PSI)	STANDARD	

* Liquid line kit includes piping, filter drier, sight glass/moisture indicator.

1 Electric defrost kit is included on low temperature models & optional for medium temperature models - see electrical data page 7.

^ Standard on extended medium temperature models only.



1/2 TO 6 HP NEXT-GEN WC-SERIES

Performance @ 105° F Condensing Temperature - Hermetic Models

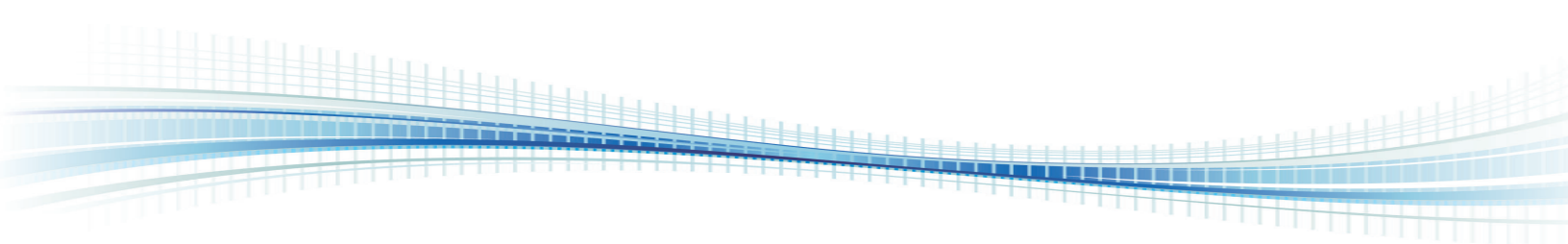
MODEL NUMBER	CAPACITY DATA (BTUH) AT SUCTION TEMPERATURE												GPM REQ. FOR 85° F EWT [^]		
	30°F	25°F	20°F	15°F	10°F	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	GPM GAL/MIN	WATER DP (PSI)	
R404A	RWH055E4S**	6,450	5,750	5,110	4,520	3,980	3,010	2,560	2,150	1,745	1,355	979	-	1.9	1.2
	RWH080E4S**	8,180	7,310	6,490	5,740	5,040	3,810	3,280	2,820	2,410	2,060	1,770	-	2.3	1.7
	RWH090E4S**	10,200	9,160	8,190	7,280	6,430	4,900	4,220	3,580	3,000	2,470	1,985	-	3.0	1.2
	RWH100E4S**	10,650	9,570	8,550	7,590	6,690	5,080	4,360	3,690	3,080	2,530	2,040	-	2.9	1.1
	RWH125E4S**	13,900	12,600	11,350	10,100	8,970	6,870	5,920	5,060	4,280	3,600	3,010	-	3.9	1.8
R407C	RWH055E4S**	6,040	5,270	4,570	3,940	3,380	2,450	-	-	-	-	-	-	1.7	1.0
	RWH080E4S**	7,300	6,400	5,590	4,850	4,180	3,010	-	-	-	-	-	-	2.0	1.4
	RWH090E4S**	9,570	8,400	7,330	6,360	5,490	3,960	-	-	-	-	-	-	2.7	0.9
	RWH100E4S**	9,720	8,600	7,570	6,630	5,770	4,220	-	-	-	-	-	-	2.7	0.9
	RWH125E4S**	12,900	11,400	10,000	8,790	7,660	5,600	-	-	-	-	-	-	3.5	1.5
R448A, R449A	RWH055E4S**	6,350	5,550	4,810	4,160	3,570	2,580	2,170	1,805	-	-	-	-	1.8	1.1
	RWH080E4S**	8,030	7,010	6,080	5,240	4,480	3,230	2,750	2,360	-	-	-	-	2.2	1.6
	RWH090E4S**	10,050	8,850	7,730	6,710	5,780	4,200	3,560	3,020	-	-	-	-	2.9	1.1
	RWH100E4S**	9,680	8,670	7,720	6,830	5,990	4,480	3,800	3,170	-	-	-	-	2.7	0.9
	RWH125E4S**	12,700	11,450	10,250	9,100	8,030	6,060	5,170	4,350	-	-	-	-	3.6	1.6

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

[^] GPM (gallons per minute) and pressure drop @ highest evap rating and 85° F entering water temperature (EWT).

DP = Differential pressure flow measurement (DP Flow)

EXTENDED MEDIUM TEMPERATURE



1/2 TO 6 HP NEXT-GEN WC-SERIES

Performance @ 105° F Condensing Temperature - Scroll Models - Low Temp.

MODEL NUMBER	CAPACITY DATA (BTUH) AT SUCTION TEMPERATURE									GPM REQ. FOR 85° F EWT [^]		
	0°F	-5°F	-10°F	-15°F	-20°F	-25°F	-30°F	-35°F	-40°F	GPM GAL/MIN	WATER DP (PSI)	
R404A	RWO100L4S**	4,650	3,980	3,480	3,040	2,660	2,340	2,060	1,820	1,620	1.6	0.5
	RWO130L4S**	6,320	5,520	4,800	4,160	3,590	3,100	2,680	2,340	2,070	2.1	0.7
	RWO160L4S**	7,570	6,680	5,860	5,120	4,450	3,850	3,320	2,870	2,480	2.4	0.9
	RWO230L4S**	11,850	10,450	9,190	8,080	7,080	6,170	5,340	4,550	3,780	3.8	1.9
	RWO250L4S**	13,600	12,100	10,800	9,530	8,410	7,400	6,480	5,640	4,880	4.4	2.3
	RWO300L4S**	15,100	13,400	11,900	10,600	9,360	8,240	7,230	6,300	5,440	4.7	2.6
	RWO350L4S**	18,800	16,800	14,900	13,200	11,600	10,200	8,980	7,820	6,770	5.9	3.9
	RWO400L4S**	21,900	19,400	17,200	15,100	13,200	11,500	9,980	8,590	7,340	6.8	1.4
RWO500L4S**	26,600	23,700	21,000	18,600	16,400	14,400	12,600	11,000	9,560	8.3	2	
RWO600L4S**	31,300	27,900	24,800	22,000	19,500	16,300	15,100	13,100	11,300	9.5	2.6	
R407A	RWO100L4S**	4,190	3,690	3,250	2,860	2,530	2,240	1,985	1,765	1,565	1.6	0.5
	RWO130L4S**	5,920	5,160	4,480	3,870	3,340	2,880	2,500	2,190	1,950	1.9	0.6
	RWO160L4S**	7,010	6,130	5,330	4,610	3,970	3,410	2,930	2,530	2,200	2.1	0.7
	RWO230L4S**	10,850	9,590	8,460	7,450	6,540	5,720	4,970	4,270	3,590	3.4	1.6
	RWO250L4S**	12,200	10,800	9,560	8,400	7,340	6,380	5,520	4,750	4,060	4.0	2.1
	RWO300L4S**	13,550	11,750	10,200	8,810	7,610	6,560	5,630	4,810	4,070	4.3	2.2
	RWO350L4S**	16,950	14,700	12,750	11,000	9,480	8,160	7,000	5,980	5,080	5.3	3.3
	RWO400L4S**	20,400	18,050	15,850	13,800	11,900	10,200	8,740	7,560	6,700	6.3	1.2
RWO500L4S**	24,800	22,100	19,450	17,000	14,800	12,850	11,150	9,790	8,770	7.6	1.7	
RWO600L4S**	29,100	25,700	22,700	19,800	17,300	15,000	13,100	11,500	10,300	9.0	2.4	
R407C	RWO100L4S**	4,000	3,520	3,100	2,740	2,430	2,160	1,925	1,725	1,550	1.4	0.4
	RWO130L4S**	5,570	4,870	4,230	3,660	3,160	2,730	2,370	2,080	1,860	1.8	0.6
	RWO160L4S**	6,640	5,820	5,060	4,380	3,780	3,250	2,790	2,410	2,100	2.2	0.7
	RWO230L4S**	10,100	8,850	7,800	6,890	6,100	5,380	4,700	4,010	3,280	3.2	1.5
	RWO250L4S**	11,460	10,090	8,910	7,830	6,840	5,950	5,150	4,420	3,730	3.7	1.9
	RWO300L4S**	13,000	11,300	9,770	8,450	7,290	6,280	5,390	4,600	3,890	4.1	2.0
	RWO350L4S**	16,200	14,100	12,200	10,500	9,080	7,810	6,700	5,730	4,860	5.1	3.1
	RWO400L4S**	19,550	17,350	15,200	13,200	11,400	9,750	8,350	7,240	6,440	6.0	1.1
RWO500L4S**	23,800	21,100	18,600	16,300	14,200	12,300	10,600	9,350	8,400	7.4	1.6	
RWO600L4S**	27,400	24,300	21,400	18,700	16,300	14,200	12,300	10,900	9,840	8.5	2.1	
R448A, R449A	RWO100L4S**	4,420	3,890	3,430	3,030	2,690	2,380	2,110	1,865	1,635	1.5	0.4
	RWO130L4S**	6,160	5,410	4,720	4,100	3,550	3,070	2,660	2,310	2,040	1.9	0.6
	RWO160L4S**	7,290	6,430	5,630	4,910	4,250	3,670	3,160	2,720	2,350	2.1	0.7
	RWO230L4S**	11,050	9,750	8,590	7,570	6,670	5,870	5,130	4,440	3,770	3.5	1.6
	RWO250L4S**	12,800	11,350	10,050	8,840	7,760	6,780	5,900	5,110	4,400	4.0	2.0
	RWO300L4S**	14,150	12,550	11,150	9,830	8,660	7,590	6,630	5,760	4,970	4.4	2.3
	RWO350L4S**	17,700	15,700	13,900	12,250	10,750	9,440	8,240	7,160	6,200	5.4	3.4
	RWO400L4S**	20,900	18,500	16,300	14,200	12,400	10,800	9,390	8,170	7,140	6.5	1.3
RWO500L4S**	25,700	22,700	20,100	17,600	15,500	13,500	11,800	10,300	9,050	8.0	1.9	
RWO600L4S**	30,800	27,300	24,200	21,300	18,800	16,500	14,400	12,600	11,000	9.6	2.6	

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

Shaded area = 20°F Max Superheat

[^] GPM (gallons per minute) and pressure drop @ highest evap rating and 85° F entering water temperature (EWT).

DP = Differential pressure flow measurement (DP Flow)

INDOOR WATER COOLED CONDENSING UNITS

Electrical Data - All Models

MODEL DATA		AMPS @ 208-230V/1/60 Hz		AMPS @ 208-230V/3/60 Hz		AMPS @ 460V/3/60 Hz	
MODEL NUMBER	COMPRESSOR MODEL	COMPRESSOR		COMPRESSOR		COMPRESSOR	
		RLA	LRA	RLA	LRA	RLA	LRA

Extended Medium Temperature Hermetic ^

RWH055E4S**	RST45C1E	4.6	26.5	-	-	-	-
RWH080E4S**	RST55C1E	6.1	33.7	-	-	-	-
RWH090E4S**	RST64C1E	8.1	43.0	-	-	-	-
RWH100E4S**	RST70C1E	6.9	46.0	4.9	36.0	-	-
RWH125E4S**	RST97C1E	9.0	51.0	5.4	36.0	-	-

Extended Medium Temperature Scroll^^

RWO060M4S**	ZB06KAE	5.4	36.0	3.1	38.9	-	-
RWO080M4S**	ZB07KAE	5.9	48.9	3.4	38.9	-	-
RWO100M4S**	ZB08KAE	7.2	46.7	3.6	38.9	-	-
RWO130E4S**	ZS09KAE	9.0	40.3	7.2	55.4	3.4	28.0
RWO150E4S**	ZS11KAE	11.3	55.0	9.3	58.0	3.8	28.0
RWO180E4S**	ZS13KAE	10.8	56.0	8.7	58.0	4.3	29.0
RWO200E4S**	ZS15KAE	14.1	68.0	9.6	58.0	4.8	29.0
RWO250E4S**	ZS19KAE	16.2	75.0	12.3	73.0	5.8	38.0
RWO300E4S**	ZS21KAE	20.8	112.0	13.7	93.0	6.2	48.0
RWO350E4S**	ZS26KAE	21.2	104.0	13.9	93.0	6.2	48.0
RWO400E4S**	ZS29KAE	23.4	137.0	18.4	114.0	8.4	58.0
RWO450E4S**	ZS33KAE	23.0	146.0	20.0	114.0	9.0	52.0
RWO500E4S**	ZS38K4E	28.5	169.0	19.2	123.0	8.7	62.0
RWO600E4S**	ZS45K4E	-	-	21.5	156.0	10.3	75.0

Low Temperature Scroll ‡

RWO100L4S**	ZF03KAE	5.4	42.3	3.7	31.7	-	-
RWO130L4S**	ZF04KAE	6.6	40.3	6	55.4	-	-
RWO160L4S**	ZF05KAE	7.8	55	6.6	58	-	-
RWO230L4S**	ZF07KAE	12.4	75	7.8	58	3.6	28.0
RWO250L4S**	ZF08K4E	14.7	73	8.7	63	4.5	31.0
RWO300L4S**	ZF09K4E	12.8	88	8.7	77	4.5	39.0
RWO350L4S**	ZF11K4E	16.3	109	10.9	88	5.8	44.0
RWO400L4S**	ZF13K4E	22.4	129	11.9	99	6.4	49.5
RWO500L4S**	ZF15K4E	24.7	169	17	123	8.0	62.0
RWO600L4S**	ZF18K4E	-	-	19.6	156	8.0	75.0

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

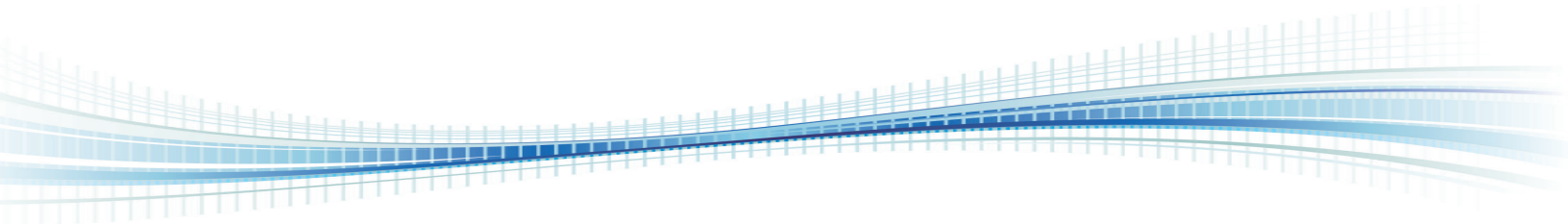
RLA = Rated Load Amps LRA = Locked Rotor Amps

MCA = Minimum Circuit Ampacity MCA includes 1 amp allowance for control circuit requirement.

^ RWH055E4S, RWH080E4S and RWH090E4S are not available in 208-230V/3/60 Hz or 460V/3/60 Hz. RWH100E4S and RWH125E4S are not available in 460V/3/60 Hz.

^^ RWO060M4S, RWO080M4S and RWO100M4S are not available in 460V/3/60 Hz. RWO600E4S is not available in 208-230V/1/60 Hz.

‡ RWO100L4S, RWO130L4S and RWO160L4S are not available in 460V/3/60 Hz. RWO600L4S is not available in 208-230V/1/60 Hz.



1/2 TO 6 HP NEXT-GEN WC-SERIES

Air Defrost Data - All Models

MODEL DATA		208-230V/1/60 Hz				208-230V/3/60 Hz				460V/3/60 Hz			
MODEL NUMBER	COMP. MODEL	AIR DEFROST		MAX EVAP. FAN AMPS†	MAX DEF. AMPS†	AIR DEFROST		MAX EVAP. FAN AMPS†	MAX DEF. AMPS†	AIR DEFROST		MAX EVAP. FAN AMPS†	MAX DEF. AMPS†
		MCA	MOPD			MCA	MOPD			MCA	MOPD		

Extended Medium Temperature Hermetic ^

RWH055E4S**	RST45C1E	15.0	15	4.0	15.0	-	-	-	-	-	-	-	-
RWH080E4S**	RST55C1E	15.0	10	4.0	15.0	-	-	-	-	-	-	-	-
RWH090E4S**	RST64C1E	15.0	15	4.0	15.0	-	-	-	-	-	-	-	-
RWH100E4S**	RST70C1E	15.0	15	4.0	15.0	15.0	15	4.0	15.0	-	-	-	-
RWH125E4S**	RST97C1E	15.0	20	6.0	15.0	15.0	15	6.0	15.0	-	-	-	-

Extended Medium Temperature Scroll^^

RWO060M4S**	ZB06KAE	15.0	15	4.0	15.0	15.0	15	4.0	15.0	-	-	-	-
RWO080M4S**	ZB07KAE	15.0	15	4.0	15.0	15.0	15	4.0	15.0	-	-	-	-
RWO100M4S**	ZB08KAE	15.0	15	4.0	15.0	15.0	15	4.0	15.0	-	-	-	-
RWO130E4S**	ZS09KAE	15.0	20	4.0	15.0	15.0	15	4.0	15.0	15.0	15	2.0	15.0
RWO150E4S**	ZS11KAE	15.1	25	6.0	20.0	15.0	20	6.0	15.0	15.0	15	3.0	15.0
RWO180E4S**	ZS13KAE	14.5	25	6.0	20.0	15.0	20	6.0	15.0	15.0	15	3.0	15.0
RWO200E4S**	ZS15KAE	18.6	30	10.0	25.0	15.0	20	10.0	20.0	15.0	15	5.0	15.0
RWO250E4S**	ZS19KAE	21.2	35	10.0	25.0	16.3	25	10.0	25.0	15.0	15	5.0	15.0
RWO300E4S**	ZS21KAE	27.0	45	12.0	30.0	18.1	30	12.0	25.0	15.0	10	6.0	15.0
RWO350E4S**	ZS26KAE	27.5	45	12.0	30.0	18.3	30	12.0	25.0	15.0	10	6.0	15.0
RWO400E4S**	ZS29KAE	30.2	50	12.0	30.0	24.0	40	12.0	30.0	15.0	15	6.0	15.0
RWO450E4S**	ZS33KAE	29.7	50	12.0	30.0	26.0	45	12.0	30.0	15.0	20	6.0	20.0
RWO500E4S**	ZS38K4E	36.6	60	12.0	30.0	25.0	40	12.0	30.0	15.0	20	6.0	20.0
RWO600E4S**	ZS45K4E	-	-	-	-	27.8	45	12.0	30.0	13.8	20	6.0	20.0

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

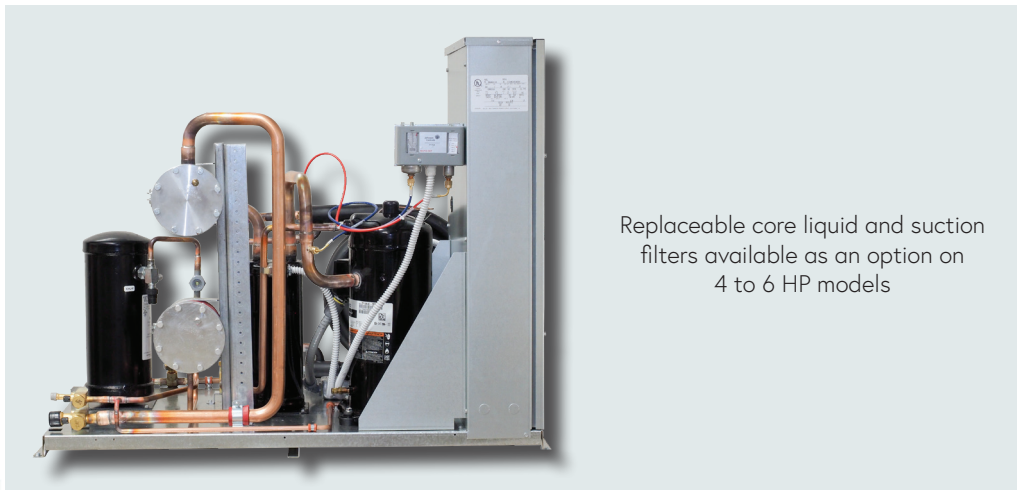
MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

† Note: Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature. Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation. Contact Application Engineering when amp draw requirements deviate from the chart values.

^ RWH055E4S, RWH080E4S and RWH090E4S are not available in 208-230V/3/60 Hz or 460V/3/60 Hz. RWH100E4S and RWH125E4S are not available in 460V/3/60 Hz.

^^ RWO060M4S, RWO080M4S and RWO100M4S are not available in 460V/3/60 Hz. RWO600E4S is not available in 208-230V/1/60 Hz.



Replaceable core liquid and suction filters available as an option on 4 to 6 HP models

INDOOR WATER COOLED CONDENSING UNITS

Electric Defrost Data - All Models

MODEL DATA		208-230V/1/60 Hz					208-230V/3/60 Hz					460V/3/60 Hz				
MODEL NUMBER	COMP. MODEL	ELECTRIC DEFROST		ELEC. DEF. KIT [†]	MAX EVAP. FAN AMPS [†]	MAX DEF. AMPS [†]	ELECTRIC DEFROST		ELEC. DEF. KIT [†]	MAX EVAP. FAN AMPS [†]	MAX DEF. AMPS [†]	ELECTRIC DEFROST		ELEC. DEF. KIT [†]	MAX EVAP. FAN AMPS [†]	MAX DEF. AMPS [†]
		MCA	MOPD				MCA	MOPD				MCA	MOPD			

Extended Medium Temperature Hermetic [^]

RWH055E4S**	RST45C1E	19.7	20	ED-5	4.0	15.0	-	-	-	-	-	-	-	-	-	-
RWH080E4S**	RST55C1E	19.7	20	ED-5	4.0	15.0	-	-	-	-	-	-	-	-	-	-
RWH090E4S**	RST64C1E	19.7	20	ED-5	4.0	15.0	-	-	-	-	-	-	-	-	-	-
RWH100E4S**	RST70C1E	19.7	20	ED-5	4.0	15.0	19.7	20	ED-5	4.0	15.0	-	-	-	-	-
RWH125E4S**	RST97C1E	19.7	25	ED-5	6.0	15.0	19.7	20	ED-5	6.0	15.0	-	-	-	-	-

Extended Medium Temperature Scroll^{^^}

RWO060M4S**	ZB06KAE	19.7	20	ED-5	4.0	15.0	19.7	20	ED-5	4.0	15.0	-	-	-	-	-
RWO080M4S**	ZB07KAE	19.7	20	ED-5	4.0	15.0	19.7	20	ED-5	4.0	15.0	-	-	-	-	-
RWO100M4S**	ZB08KAE	19.7	20	ED-5	4.0	15.0	19.7	20	ED-5	4.0	15.0	-	-	-	-	-
RWO130E4S**	ZS09KAE	19.7	25	ED-5	4.0	15.0	19.7	20	ED-5	4.0	15.0	19.7	20	ED-17	2.0	15.0
RWO150E4S**	ZS11KAE	26.0	30	ED-6	6.0	20.0	19.7	25	ED-5	6.0	15.0	19.7	20	ED-17	3.0	15.0
RWO180E4S**	ZS13KAE	26.0	30	ED-6	6.0	20.0	19.7	25	ED-5	6.0	15.0	19.7	20	ED-17	3.0	15.0
RWO200E4S**	ZS15KAE	32.2	40	ED-7	10.0	25.0	26.0	30	ED-6	10.0	20.0	19.7	20	ED-17	5.0	15.0
RWO250E4S**	ZS19KAE	32.2	45	ED-7	10.0	25.0	32.2	35	ED-7	10.0	25.0	19.7	20	ED-17	5.0	15.0
RWO300E4S**	ZS21KAE	39.0	50	ED-10	12.0	30.0	32.2	40	ED-7	12.0	25.0	19.7	20	ED-17	6.0	15.0
RWO350E4S**	ZS26KAE	39.5	60	ED-10	12.0	30.0	32.2	40	ED-7	12.0	25.0	19.7	20	ED-17	6.0	15.0
RWO400E4S**	ZS29KAE	42.2	60	ED-10	12.0	30.0	38.5	50	ED-11	12.0	30.0	19.7	25	ED-17	6.0	15.0
RWO450E4S**	ZS33KAE	41.7	60	ED-10	12.0	30.0	38.5	50	ED-11	12.0	30.0	26.0	30	ED-18	6.0	20.0
RWO500E4S**	ZS38K4E	48.6	60	ED-10	12.0	30.0	38.5	50	ED-11	12.0	30.0	26.0	30	ED-18	6.0	20.0
RWO600E4S**	ZS45K4E	-	-	-	-	-	39.8	60	ED-11	12.0	30.0	26.0	30	ED-18	6.0	20.0

Low Temperature Scroll [‡]

RWO100L4S**	ZF03KAE	19.7	20	ED-5	6	15	19.7	20	ED-5	6	15	-	-	-	-	-
RWO130L4S**	ZF04KAE	19.7	20	ED-5	6	15	19.7	20	ED-5	6	15	-	-	-	-	-
RWO160L4S**	ZF05KAE	19.7	20	ED-5	6	15	19.7	20	ED-5	6	15	-	-	-	-	-
RWO230L4S**	ZF07KAE	19.7	30	ED-5	6	15	19.7	20	ED-5	6	15	19.7	20	ED-17	5	15
RWO250L4S**	ZF08K4E	29.4	40	ED-6	10	20	26	30	ED-6	10	20	19.7	20	ED-17	5	15
RWO300L4S**	ZF09K4E	27	35	ED-6	10	20	26	30	ED-6	10	20	19.7	20	ED-17	5	15
RWO350L4S**	ZF11K4E	32.2	45	ED-7	10	25	32.2	35	ED-7	10	25	19.7	20	ED-17	5	15
RWO400L4S**	ZF13K4E	41	60	ED-7	12	25	32.2	35	ED-7	12	25	19.7	20	ED-17	6	15
RWO500L4S**	ZF15K4E	43.9	60	ED-11	12	30	38.5	50	ED-11	12	30	19.7	25	ED-17	6	15
RWO600L4S**	ZF18K4E	-	-	-	-	-	38.5	50	ED-11	12	30	19.7	25	ED-17	6	15

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

† Note: Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature. Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation. Contact Application Engineering when amp draw requirements deviate from the chart values.

[^] RWH055E4S, RWH080E4S and RWH090E4S are not available in 208-230V/3/60 Hz or 460V/3/60 Hz. RWH100E4S and RWH125E4S are not available in 460V/3/60 Hz.

^{^^} RWO060M4S, RWO080M4S and RWO100M4S are not available in 460V/3/60 Hz. RWO600E4S is not available in 208-230V/1/60 Hz.

[‡] RWO100L4S, RWO130L4S and RWO160L4S are not available in 460V/3/60 Hz. RWO600L4S is not available in 208-230V/1/60 Hz.

1/2 TO 6 HP NEXT-GEN WC-SERIES

Specifications - All Models

MODEL DATA			CONNECTIONS (ODS)			PUMP DOWN CAPACITY			
MODEL NUMBER	COMPRESSOR MODEL	HP	LIQUID	SUCTION^^	WATER (OD)	STANDARD RECEIVER			
						90% R404A (LBS.)	90% R407A (LBS.)	90% R407C (LBS.)	90% R448A, R449A (LBS.)

Extended Medium Temperature Hermetic

RWH055E4S**	RST45C1E	1/2	3/8	5/8	1/2"	5.9	6.4	6.7	6.1
RWH080E4S**	RST55C1E	1/2	3/8	5/8	1/2"	5.9	6.4	6.7	6.1
RWH090E4S**	RST64C1E	3/4	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWH100E4S**	RST70C1E	3/4	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWH125E4S**	RST97C1E	1	1/2	7/8	3/4"	11.0	12.1	12.7	11.6

Extended Medium Temperature Scroll

RWO060M4S**	ZB06KAE	1/2	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWO080M4S**	ZB07KAE	1/2	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWO100M4S**	ZB08KAE	1	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWO130E4S**	ZS09KAE	1-1/3	3/8	5/8	3/4"	5.9	6.4	6.7	6.1
RWO150E4S**	ZS11KAE	1-1/2	1/2	7/8	3/4"	11.0	12.1	12.7	11.6
RWO180E4S**	ZS13KAE	1-3/4	1/2	7/8	7/8"	11.0	12.1	12.7	11.6
RWO200E4S**	ZS15KAE	2	1/2	7/8	7/8"	13.6	15.0	15.7	14.3
RWO250E4S**	ZS19KAE	2-1/2	1/2	7/8	7/8"	13.6	15.0	15.7	14.3
RWO300E4S**	ZS21KAE	3	5/8	1-1/8	1-1/8"	13.6	15.0	15.7	14.3
RWO350E4S**	ZS26KAE	3-1/2	5/8	1-1/8	1-1/8"	13.6	15.0	15.7	14.3
RWO400E4S**	ZS29KAE	4	5/8	1-1/8	2-1/8"	13.6	15.0	15.7	14.3
RWO450E4S**	ZS33KAE	4-1/2	5/8	1-1/8	2-1/8"	13.6	15.0	15.7	14.3
RWO500E4S**	ZS38K4E	5	5/8	1-1/8	2-1/8"	13.6	15.0	15.7	14.3
RWO600E4S**	ZS45K4E	6	5/8	1-1/8	2-1/8"	13.6	15.0	15.7	14.3

Low Temperature Scroll

RWO100L4S**	ZF03KAE	1	3/8	7/8	3/4"	11.0	12.1	12.7	11.6
RWO130L4S**	ZF04KAE	1-1/3	3/8	7/8	3/4"	11.0	12.1	12.7	11.6
RWO160L4S**	ZF05KAE	1-1/2	3/8	7/8	3/4"	11.0	12.1	12.7	11.6
RWO230L4S**	ZF07KAE	2	3/8	7/8	3/4"	11.0	12.1	12.7	11.6
RWO250L4S**	ZF08K4E	2-1/2	3/8	7/8	3/4"	13.6	15.0	15.7	14.3
RWO300L4S**	ZF09K4E	3	3/8	7/8	3/4"	13.6	15.0	15.7	14.3
RWO350L4S**	ZF11K4E	3-1/2	3/8	7/8	3/4"	13.6	15.0	15.7	14.3
RWO400L4S**	ZF13K4E	4	1/2	1-1/8	7/8"	13.6	15.0	15.7	14.3
RWO500L4S**	ZF15K4E	5	1/2	1-1/8	7/8"	13.6	15.0	15.7	14.3
RWO600L4S**	ZF18K4E	6	1/2	1-1/8	7/8"	13.6	15.0	15.7	14.3

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

^^ Connection size with or without factory installed liquid and/or suction line assembly.

INDOOR WATER COOLED CONDENSING UNITS

Specifications - All Models

MODEL DATA		CABINET SIZE††	DIMENSIONS (IN.)			APPROX. SHIP WT. (LBS.)	SOUND DATA dBA†
MODEL NUMBER	COMPRESSOR MODEL		D	W	H		

Extended Medium Temperature Hermetic

RWH055E4S**	RST45C1E	FW1	28-1/16	27-1/8	18-5/8	152	65
RWH080E4S**	RST55C1E	FW1	28-1/16	27-1/8	18-5/8	156	65
RWH090E4S**	RST64C1E	FW1	28-1/16	27-1/8	18-5/8	160	65
RWH100E4S**	RST70C1E	FW1	28-1/16	27-1/8	18-5/8	167	65
RWH125E4S**	RST97C1E	FW2	28-1/16	39-1/8	19-7/8	195	69

Extended Medium Temperature Scroll

RWO060M4S**	ZB06KAE	FW1	28-1/16	27-1/8	18-5/8	195	67
RWO080M4S**	ZB07KAE	FW1	28-1/16	27-1/8	18-5/8	195	67
RWO100M4S**	ZB08KAE	FW1	28-1/16	27-1/8	18-5/8	195	67
RWO130E4S**	ZS09KAE	FW1	28-1/16	27-1/8	18-5/8	195	67
RWO150E4S**	ZS11KAE	FW2	28-1/16	39-1/8	19-7/8	205	68
RWO180E4S**	ZS13KAE	FW2	28-1/16	39-1/8	19-7/8	210	68
RWO200E4S**	ZS15KAE	FW3	28-1/16	39-1/8	21-1/8	215	68
RWO250E4S**	ZS19KAE	FW3	28-1/16	39-1/8	21-1/8	230	69
RWO300E4S**	ZS21KAE	FW4	32-13/16	43-1/8	21-1/8^	305	69
RWO350E4S**	ZS26KAE	FW4	32-13/16	43-1/8	21-1/8^	325	69
RWO400E4S**	ZS29KAE	FW4	32-13/16	43-1/8	21-1/8^	352	71
RWO450E4S**	ZS33KAE	FW4	32-13/16	43-1/8	21-1/8^	375	71
RWO500E4S**	ZS38K4E	FW4	32-13/16	43-1/8	21-1/8^	383	71
RWO600E4S**	ZS45K4E	FW4	32-13/16	43-1/8	21-1/8^	405	73

Low Temperature Scroll

RWO100L4S**	ZF03KAE	FW2	28-1/16	39-1/8	19-7/8	230	68
RWO130L4S**	ZF04KAE	FW2	28-1/16	39-1/8	19-7/8	230	68
RWO160L4S**	ZF05KAE	FW2	28-1/16	39-1/8	19-7/8	230	68
RWO230L4S**	ZF07KAE	FW2	28-1/16	39-1/8	19-7/8	230	68
RWO250L4S**	ZF08K4E	FW3	28-1/16	39-1/8	21-1/8	240	70
RWO300L4S**	ZF09K4E	FW3	28-1/16	39-1/8	21-1/8	245	70
RWO350L4S**	ZF11K4E	FW3	28-1/16	39-1/8	21-1/8	255	70
RWO400L4S**	ZF13K4E	FW4	32-13/16	43-1/8	21-1/8^	352	70
RWO500L4S**	ZF15K4E	FW4	32-13/16	43-1/8	21-1/8^	367	71
RWO600L4S**	ZF18K4E	FW4	32-13/16	43-1/8	21-1/8^	383	73

* Each asterisk represents a variable character based upon voltage and vintage ordered. See page 3 for nomenclature.

† Estimated dBA values at 10 feet from the unit. Correction factors: Deduct 6 dBA for 20 to 40 feet, 12 dBA @ 40 to 60 feet. Ratings at the outlet of the discharge air. The actual measurements may vary depending upon installation variables. Environmental factors may have a significant influence on this data.

†† See pages 12 for associated drawings.

^ Maximum height is 35" when using a two defrost contactor kit or replaceable core liquid and suction filters.

1/2 TO 6 HP

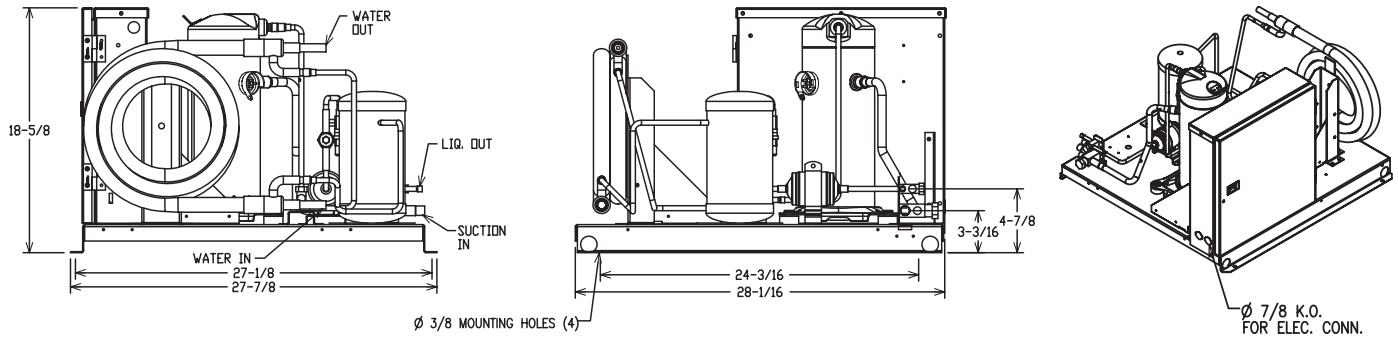
NEXT-GEN WC-SERIES

Physical Dimensions - All Models

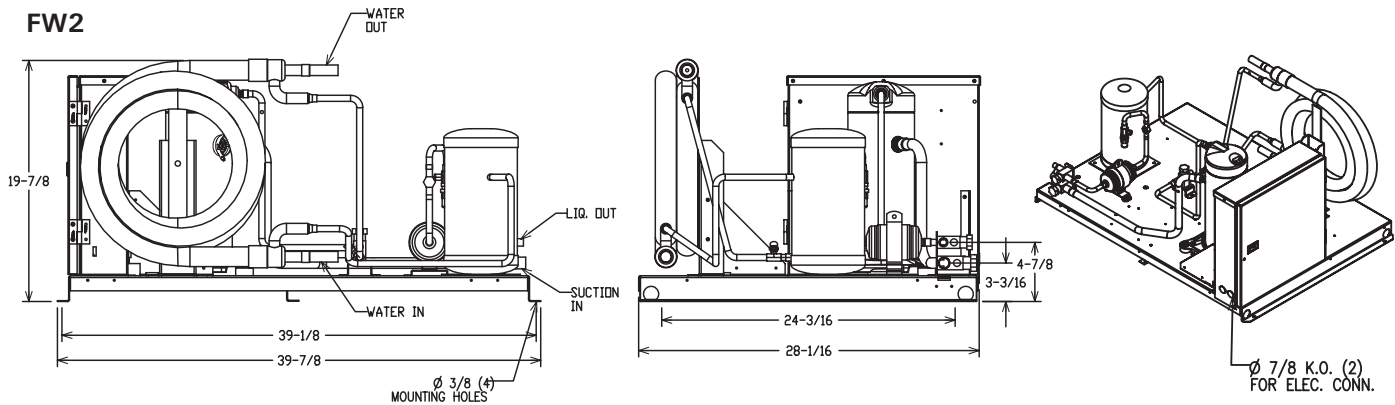
* Dimensions are in inches.

Due to continuing product development, specifications are subject to change without notice.

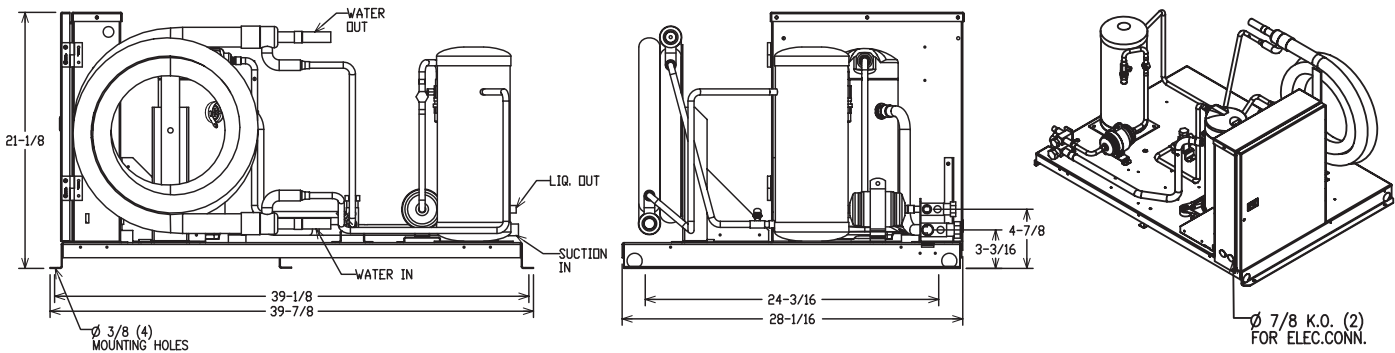
FW1



FW2



FW3



FW4

