



W-SERIES

Customizable, Closed-loop Design
2 to 60 Ton Capacity Units



Robust, Customizable Platform

Available in a wide range of capacities, the W Series can be equipped with air-cooled, water-cooled, or remote condensers and can be highly customized to meet the needs of challenging applications.

PRODUCT SUMMARY

- Indoor and outdoor models available
- Air-cooled, water-cooled or split system (remote condenser)
- Water or water/glycol fluids
- Fluid setpoint range 50 to 90°F
- Capacities:
 - Indoor: 27,450 to 398,250 BTU/hr
 - Outdoor: 27,450 to 796,500 BTU/hr
 - (at 65°F fluid temp and 95°F ambient).
- Temps can vary but will affect capacity.
- Temperature stability $\pm 3^\circ\text{F}$ (optional $\pm 1^\circ\text{F}$)
- Ambient temperature:
 - Indoor: 50 to 95°F
 - Outdoor standard: -20 to 95°F
 - Outdoor high ambient: -20 to 115°F
 - (Designs for ambients above/below are available - please contact factory.)
- Built to UL 1995
- 18-month parts and labor warranty

BASE CONFIGURATION

- Digital controller
- Hermetic scroll compressor
- Brazed plate evaporator
- Manual fluid bypass valve
- Hot gas regulator
- Discharge fluid pressure gauge
- Corrosion free, non-pressurized tank
- Refrigerant and tank sight glasses
- Cleanable air filters
- Fused disconnect
- R407C (R134A on high ambient models)
- Powder-coated cabinet
- The following features are included only in water-cooled, high ambient & enhanced control models:
 - PCOxs controller
 - 24 VDC control voltage
 - Phase monitor
 - Fault interlocks

OPTIONS**

- Pressure and flow pump upgrades
 - Pressure relief bypass
 - Inlet water filter
 - Auto water fill
 - Anti-backflow kit
 - Float switch
 - 50 and 60Hz power options
 - Casters (up to 5 tons)
 - CE certified
 - CSA certified or compliant
 - Motorized hot gas bypass ***
 - Communication options ***
 - Economizer interface ***
 - Remote controller ***
- ** Not all options are available in all sizes.
*** These options are ONLY available in certain configurations. Please consult factory for details.

MODEL	CAPACITY ^a @ 65°F fluid setpoint and 95°F ambient	ELECTRICAL	FLA ^a	INLET/OUTLET PORT SIZE	TANK CAPACITY	UNIT DIMENSIONS (LxWxH)	CRATED WEIGHT	PUMP STANDARD		PUMP PRESSURE 50 PSI UPGRADE		PUMP PRESSURE 75 PSI UPGRADE		PUMP FLOW UPGRADE	
INDOOR	BTU/HR	VOLTS	AMPS	INCH	GAL	INCH	LBS	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
WVI-2000-M	27,450	460/3/60	12.4	1.25	10	36 x 28 x 55	700	10	25	10	50	10	75	20	40
		230/3/60	24.4												
WVI-3000-M	34,900	460/3/60	13.2	1.5	25	51 x 30 x 64	900	20	40	20	50	20	75	TBD ^b	TBD ^b
		230/3/60	28.8												
WVI-5000-M	74,900	460/3/60	21.2	1.5	25	51 x 30 x 64	900	20	40	20	50	20	75	TBD ^b	TBD ^b
		230/3/60	39.5												
WVI-7500-M	99,900	460/3/60	27.0	1.5	40	58 x 38 x 64	900	30	35	30	50	30	75	40	35
		230/3/60	51.1												
WVI-10000-M	131,900	460/3/60	31.4	1.5	40	58 x 38 x 64	1,100	30	35	30	50	30	75	40	35
		230/3/60	60.0												
WVI-15000-M	202,350	460/3/60	44.6	2	70	58 x 45 x 91	1,700	40	35	40	50	40	75	70	40
		230/3/60	85.1												
WVI-20000-M	261,250	460/3/60	58.0	2	100	72 x 45 x 97	1,900	60	40	60	50	60	75	TBD ^b	TBD ^b
		230/3/60	108.4												
WVI-30000-M	398,250	460/3/60	80.7	3	180	108 x 45 x 97	2,300	90	35	100	50	90	75	TBD ^b	TBD ^b
OUTDOOR	BTU/HR	VOLTS	AMPS	INCH	GAL	INCH	LBS	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI
WVO-2000-M	27,450	460/3/60	8.6	1.25	10	36 x 28 x 63	700	10	25	10	50	10	75	20	40
		230/3/60	15.2												
WVO-3000-M	34,900	460/3/60	13.9	1.5	25	51 x 30 x 66	900	20	40	20	50	20	75	TBD ^b	TBD ^b
		230/3/60	23.1												
WVO-5000-M	74,900	460/3/60	20.0	1.5	25	51 x 30 x 66	900	20	40	20	50	20	75	TBD ^b	TBD ^b
		230/3/60	33.5												
WVO-7500-M	99,900	460/3/60	25.8	1.5	40	58 x 38 x 67	900	30	35	30	50	30	75	40	35
		230/3/60	49.6												
WVO-10000-M	131,900	460/3/60	30.2	1.5	40	58 x 38 x 67	1,100	30	35	30	50	30	75	40	35
		230/3/60	56.8												
WVO-15000-M	202,350	460/3/60	45.9	2	70	58 x 45 x 91	1,700	40	35	40	50	40	75	70	40
		230/3/60	89.1												
WVO-20000-M	261,250	460/3/60	57.7	2	100	72 x 45 x 97	1,900	60	40	60	50	60	75	TBD ^b	TBD ^b
		230/3/60	106.3												
WVO-30000-M	398,250	460/3/60	80.4	3	180	108 x 45 x 97	2,300	90	35	100	50	90	75	TBD ^b	TBD ^b
WVO-40000-M	522,500	460/3/60	107.2	3	140	76 x 86 x 95	4,500	120	40	120	50	120	75	TBD ^b	TBD ^b
WVO-60000-M	796,500	460/3/60	147.2	3	250	110 x 86 x 95	4,600	180	35	180	50	180	75	TBD ^b	TBD ^b

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity.

^a Does not include pump upgrade.

^b Selection based on customer requirements.