



# KoolWay® Chillers

Reliable, efficient cooling systems

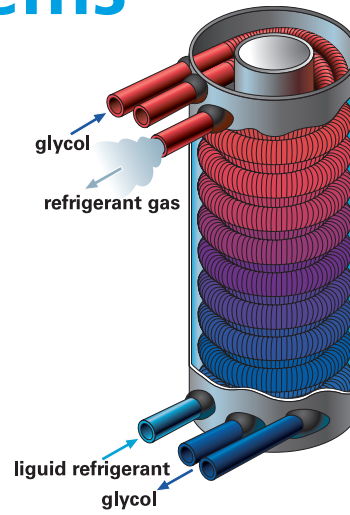


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# KoolWay® Chiller Systems

**Spiral drum evaporator** — each model is supplied standard with the proven Spiral Drum Heat Exchanger.



**Horizon™ circuited air-cooled condenser** — is supplied standard with the Horizon circuited condensers. The finned receiver and sub-cooling circuits deliver one of the most efficient condensers available.



**Stainless steel glycol pumps** — system is supplied standard with an internal Chiller Evaporator Pump and a Dedicated Glycol Process Pump for the plate heat exchanger.



**Total Cooling Control (TCC)** — an optional microprocessor controller that can be installed on all semi-hermetic chiller packages. The independent control cards provide superior compressor, condenser, evaporator and pump control.



# KoolWay® Packaged Air-Cooled Chillers

- Available with a single or dual 10, 20, 30, 40 and 50 horsepower compressor to provide the most efficient match to cooling load.
- Available with Bitzer™ or Carlyle™ semi-hermetic compressors for better efficiency and dependability.
- Total packaged system for ease of installation and start up.
- Pre-charged and pre-run at the factory; ready to perform.
- Built in a controlled environment to eliminate defects caused by contaminations that can sometimes be found with field-installed piping.
- Must be installed outdoors.



Model	Capacity (BTU/Hr.)	Process Pump (HP)	Glycol Tank Size (Gal.)	Length (In.)	Width (In.)	Height (In.)	Shipping Wt. (Lbs.)	Operating Wt. (Lbs.)	MOP 230/3/60	MOP 460/3/60
Single 10 HP	83,500	3	250	144	50	87	3,000	5,100	103	58
Dual 10 HP	167,000	5	550	155	95	89	5,400	10,000	156	78
Single 20 HP	140,000	3	250	180	50	87	3,500	5,600	169	82
Dual 20 HP	280,000	5	550	191	95	89	6,300	10,900	258	129
Single 30 HP	211,000	3	250	228	50	87	4,400	6,500	258	128
Dual 30 HP	422,000	7.5	550	239	95	89	8,000	12,600	394	197
Single 40 HP	315,000	3	250	228	50	87	4,800	6,900	374	194
Dual 40 HP	630,000	7.5	550	239	95	89	8,600	13,200	562	291
Single 50 HP	373,000	5	250	248	50	87	5,200	7,300	462	231
Dual 50 HP	746,000	7.5	550	259	95	89	9,100	13,700	677	338

Capacity based on 22°F (-6°C) evaporator temperature and 105°F (41°C) ambient temperature.

# KoolWay® Remote Air-Cooled Chillers

- Available in multiples of 10, 20, 30, 40 and 50 horsepower compressor to provide the most efficient match to cooling load.
- Available in single-, dual- and triple-compressor base units.
- Available with Bitzer™ or Carlyle™ semi-hermetic compressors for better efficiency and dependability.



- Base units can be installed indoors; the remote air-cooled condensers must be installed outdoors.
- Remote condensers offer a greater degree of installation flexibility.

*NOTE: Refrigerant must be ordered locally.*



Model	Capacity (BTU/Hr.)	Process Pump (HP)	Glycol Tank Size (Gal.)	Length (In.)	Width (In.)	Height (In.)	Shipping (Wt.)	Operating Wt. (Lbs.)	MOP 230/3/60	MOP 460/3/60
<b>Single 10 HP</b>	83,500	3 HP	250	144	50	84	2,500	4,700	97	55
<b>Dual 10 HP</b>	167,000	5 HP	550	155	91	89	4,200	8,900	140	79
<b>Triple 10 HP</b>	250,000	5 HP	550	158	91	93	5,400	10,200	183	103
<b>Single 20 HP</b>	140,000	3 HP	250	180	50	84	2,700	4,900	159	79
<b>Dual 20 HP</b>	280,000	5 HP	550	191	91	89	4,600	10,900	232	116
<b>Triple 20 HP</b>	420,000	5 HP	550	184	91	93	6,000	10,800	302	151
<b>Single 30 HP</b>	211,000	3 HP	250	195	50	84	3,100	5,300	239	120
<b>Dual 30 HP</b>	422,000	7.5 HP	550	206	91	89	5,300	10,100	355	178
<b>Triple 30 HP</b>	633,000	7.5 HP	550	188	91	93	7,000	11,900	463	231
<b>Single 40 HP</b>	315,000	3 HP	250	228	50	84	3,600	5,800	355	184
<b>Dual 40 HP</b>	630,000	7.5 HP	550	239	91	89	6,100	10,900	523	271
<b>Triple 40 HP</b>	945,000	7.5 HP	550	220	91	93	8,000	12,900	682	354
<b>Single 50 HP</b>	373,000	5 HP	250	248	50	84	3,900	6,100	436	218
<b>Dual 50 HP</b>	746,000	7.5 HP	550	259	91	89	6,900	11,700	638	319
<b>Triple 50 HP</b>	1,119,000	7.5 HP	550	249	91	93	9,000	13,900	835	417

Condenser Size	Model No.	Length (In.)	Width (In.)	Height (In.)	Shipping Wt (Lbs.)	MOP 230/3/60	MOP 460/3/60
<b>10 HP Horizon Circuited</b>	VAC - 19	112	46	24	420	20	15
<b>20 HP Horizon Circuited</b>	VAC - 25	112	46	24	495	25	15
<b>30 HP Horizon Circuited</b>	VAC - 48	160	46	24	900	30	15
<b>40 HP Horizon Circuited</b>	VAC - 48	160	46	24	900	30	15
<b>50 HP Horizon Circuited</b>	VAC - 55	160	46	24	1,000	30	15

*Capacity based on 22°F (-6°C) evaporator temperature and 105°F (41°C) ambient temperature.*

# KoolWay® Water-Cooled Chillers

- Available in multiples of 10, 20, 30, 40 and 50 horsepower compressor to provide the most efficient match to cooling load.
- Available in single-, dual- and triple-compressor base units.
- Available with Bitzer™ or Carlyle™ semi-hermetic compressors for better efficiency and dependability.
- Base units must be installed indoors.
- Pre-charged and pre-run at the factory; ready to perform.
- Built in a controlled environment to eliminate defects caused by contaminations that can sometimes be found with field-installed piping.



Model	Capacity (BTU/Hr.)	Process Pump (HP)	Glycol Tank Size (Gal.)	Length (In.)	Width (In.)	Height (In.)	Shipping Wt. (Lbs.)	Operating Wt. (Lbs.)	MOP 230/3/60	MOP 460/3/60
Single 10 HP	83,500	3	250	144	50	84	2,500	4,700	97	55
Dual 10 HP	167,000	5	550	155	91	89	4,200	8,900	140	79
Triple 10 HP	250,000	5	550	158	91	93	6,000	10,700	183	103
Single 20 HP	140,000	3	250	180	50	84	2,700	4,900	159	79
Dual 20 HP	280,000	5	550	191	91	89	4,600	10,900	232	116
Triple 20 HP	420,000	5	550	184	91	93	6,900	11,600	302	151
Single 30 HP	211,000	3	250	195	50	84	3,100	5,300	239	120
Dual 30 HP	422,000	7.5	550	206	91	89	5,300	10,100	355	178
Triple 30 HP	633,000	7.5	550	188	91	93	8,100	12,900	463	231
Single 40 HP	315,000	3	250	228	50	84	3,600	5,800	355	184
Dual 40 HP	630,000	7.5	550	239	91	89	6,100	10,900	523	271
Triple 40 HP	945,000	7.5	550	220	91	93	9,400	14,200	682	354
Single 50 HP	373,000	5	250	248	50	84	3,900	6,100	436	218
Dual 50 HP	746,000	7.5	550	259	91	89	6,900	11,700	638	319
Triple 50 HP	1,119,000	7.5	550	249	91	93	10,600	15,500	835	417

Capacity based on 22°F (-6°C) evaporator temperature and 105°F (41°C) ambient temperature.

# KoolWay® Classic Chillers

- Available in multiples of 10, 20, 30, 40 and 50 horsepower compressor to provide the most efficient match to cooling load.
- Available in single- and dual-compressor systems.
- Available with Bitzer™ or Carlyle™ semi-hermetic compressors for better efficiency and dependability.
- Classic units must be installed outdoors.
- Pre-charged and pre-run at the factory; ready to perform.
- Built in a controlled environment to eliminate defects caused by contaminations that can sometimes be found with field-installed piping.



*NOTE: Supplied with circulation pump but contains no glycol tank.*

Model	Capacity (BTU/Hr.)	Circulation Pump (HP)	Glycol Tank Size	Length (In.)	Width (In.)	Height (In.)	Shipping Wt. (Lbs.)	Operating Wt. (Lbs.)	MOP 230/3/60	MOP 460/3/60
<b>Single 10 HP</b>	83,500	3	n/a	91	50	87	2,200	2,300	98	56
<b>Dual 10 HP</b>	167,000	5	n/a	91	95	87	4,200	4,400	144	81
<b>Single 20 HP</b>	140,000	3	n/a	127	50	87	2,800	2,900	158	79
<b>Dual 20 HP</b>	280,000	5	n/a	127	95	87	5,000	5,200	246	123
<b>Single 30 HP</b>	211,000	3	n/a	175	50	87	3,700	3,800	249	125
<b>Dual 30 HP</b>	422,000	7.5	n/a	175	95	87	6,900	7,100	376	188
<b>Single 40 HP</b>	315,000	3	n/a	175	50	87	3,900	4,000	371	192
<b>Dual 40 HP</b>	630,000	7.5	n/a	175	95	87	7,300	7,500	555	287
<b>Single 50 HP</b>	373,000	5	n/a	175	50	87	4,200	4,300	443	222
<b>Dual 50 HP</b>	746,000	7.5	n/a	175	95	87	7,900	8,100	659	329

*Capacity based on 22°F (-6°C) evaporator temperature and 105°F (41°C) ambient temperature.*

# KoolWay® Cabinet Chillers

- System designed without condensing units. Smaller systems that are designed for use with remote-mounted condensing units offer flexibility in installation and with available power supplies. (Ideal for smaller installations or installations without access to three-phase power.)
- Customer-existing condensing units or new condensing units can be installed on the cabinet chillers.
- System includes evaporators, circulation and process pumps, and electrical enclosures.
- Cabinets should be installed indoors.
- Available in 3-5 HP models, 2-15 HP models and 2-30 HP models.
- Remote condensing units offer a greater degree of installation flexibility.

*NOTE: Refrigerant must be ordered locally.*



Model	Capacity (BTU/ Hr.)	Process Pump (HP)	Glycol Tank Size (Gal.)	Length (In.)	Width (In.)	Height (In.)	Shipping Wt. (Lbs.)	Operating Wt. (Lbs.)	MOP 230/1/60	MOP 230/3/60	MOP 460/3/60
<b>Two – 5 HP</b>	84,000	3	130	87	44	65	1,200	2,300	29	15	7
<b>Four – 5 HP</b>	168,000	3	130	88	44	74	1,600	2,700	45	26	13
<b>Six – 5 HP</b>	252,000	3	130	88	44	74	1,800	2,900	45	26	13
<b>Three – 15 HP</b>	375,000	5	250	135	56	72	2,300	4,400	63	47	23
<b>Four – 15 HP</b>	500,000	5	250	135	56	72	2,500	4,600	63	47	23

*Capacity based on 22°F (-6°C) evaporator temperature and 105°F (41°C) ambient temperature.*



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