

MARKET VALUE ESTIMATION REPORT

Industrial Chiller BKW WRK80-1-1KK CM5-3-UV

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Identification source: nameplate photographed on the unit

1. Equipment Identification

Manufacturer	BKW K-W-V GmbH (D-72649 Wolfschlugen, Germany)
Model	WRK80-1-1KK CM5-3-UV
Serial Number	835870
Year of Manufacture	2023
Refrigerant	R134a — 14.0 kg charge
Weight	745 kg
Electrical Supply	480V — 3-phase — 60 Hz
Electrical Power (compressor)	13.87 kW — I _{max} ≈ 41.2 A
Max. HP / Max. LP Pressure	25 bar / 23 bar
Control	24 VDC
Estimated Cooling Capacity*	≈ 35–45 kW (≈ 10–13 tons of refrigeration)

**Capacity estimated from the compressor's electrical power (13.87 kW) and a typical COP of 2.5–3.2 for an industrial water-cooled chiller of this type. BKW does not publish a public spec sheet for this exact model — confirmation with the manufacturer or via the serial number is recommended for an exact figure.*

2. New Price

BKW K-W-V GmbH (Wolfschlugen, Germany) is a specialized German manufacturer that sells exclusively by quote — no public list price is available for the WRK series. The estimate below is based on BKW's market positioning (high-end European manufacturer, water-cooled chiller with integrated pump and tank) and observed price ranges for comparable water-cooled industrial chillers in the 10 to 13-ton range.

- Industrial water-cooled chillers, 10–13 ton range (North American market, generic/regional brands): approximately \$15,000 to \$45,000 USD new.
- European brand / German engineering premium (BKW, Huber and comparable manufacturers): typically add 20% to 50% over entry-level North American brands.
- Estimated new price for the WRK80-1-1KK CM5-3-UV unit, delivered to North America (shipping and customs clearance included): approximately \$30,000 to \$50,000 USD.

This range excludes installation, commissioning, and options (heat recovery, buffer tank, etc.), which can add several thousand dollars more.

3. Used Comparables — North America

Used industrial chillers generally sell for 40% to 60% less than the new equivalent. Below are real comparables found on the leading used industrial equipment marketplaces (Surplus Record, MachineTools.com, industrial eBay).

Manufacturer	Model	Capacity	Type	Year	Asking Price	Source
Thermal Care	AQ0W1004	10 tons	Water-cooled	n/a	\$2,950 USD	eBay / liquidator
Thermal Care	NQW10 AccuChiller	10 tons	Water-cooled	n/a	\$5,000 – \$7,000 USD	Surplus Record
Edpac	CCXC-10-ECX (dual 10 t)	2×10 tons	Process, redundant	n/a	\$5,671 USD	eBay
Advantage Engineering	TTI-15 Titan	15 tons	Water-cooled, 450-gal. tank	2010	\$9,500 USD	Surplus Record
Koolant Coolers	DTS-70 (8.8 kW)	≈ 4.3 tons	Process, low temperature	New/ lightly used	\$69,000 USD (outlier – specialized)	Surplus Record
Various (Cincinnati Milacron, Agie, etc.)	10–20 tons	10–20 tons	Machine-tool chillers	2004–2010	\$4,000 – \$12,000 USD	MachineTools.com

Note: the Koolant Coolers comparable (\$69,000 USD) is a specialized new/lightly used low-temperature model and is an outlier excluded from the average calculation. No direct BKW-brand comparable was found actively for sale in North America at the time of research — BKW parts are distributed by Technical Hot & Cold Parts (Michigan), but no complete used unit was listed.

4. Market Value Estimate

Taking into account the year of manufacture (2023 — relatively recent unit), the German origin (perceived as a mark of quality and durability), and used comparables from the North American market:

- New value (reference): \$30,000 – \$50,000 USD
- Estimated used market value (functional, good condition, ~2–3 years of use): \$12,000 – \$20,000 USD
- Estimated used market value (unknown condition / quick liquidation sale): \$6,000 – \$10,000 USD

These ranges are estimates based on public market data and should be adjusted based on the unit's actual condition (hours of use, maintenance history, compressor condition) and a physical inspection before setting a final selling price.

5. Sources

- DirectIndustry — BKW WRK series (0.7–106 kW)
- Surplus Record — used Thermal Care, Advantage chillers
- MachineTools.com — used industrial chiller listings
- Technical Hot & Cold Parts — BKW parts and units
- Federal Equipment Company — new vs. used industrial chiller pricing guide



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