



## New Bus HVAC TK-COOL Series



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including Club Car®, Ingersoll Rand®, Thermo King® and Trane® — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$12 billion global business committed to a world of sustainable progress and enduring results.



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## TK-COOL Series

No matter where your drivers and passengers travel, they should enjoy reliable comfort. Thermo King solutions make maintaining ideal cabin conditions easy and efficient. Because we build comfort to go inside, wherever your vehicles travel in the outside world, even in the most severe climates, passengers feel at ease.

Thermo King's new TK-COOL Series can be widely applied for light, medium and large buses and coaches. It is designed to offer extraordinary performance, with high reliability and a lightweight design, delivering outstanding value for operators.

## CS Series

### Key Features

- Side air-intake ensures flexible application, mounted forward or rearward on the bus, and in either direction
- Compact and streamlined design for enhanced vehicle efficiency and styling
- Skilled manufacturing of one-piece frames for high strength and easier maintenance
- Thermo King compressor of highest reliability and performance
- Optional brushless blowers with high efficiency and low noise
- Improved condenser coils ensure higher heat transfer efficiency



### Product Specification

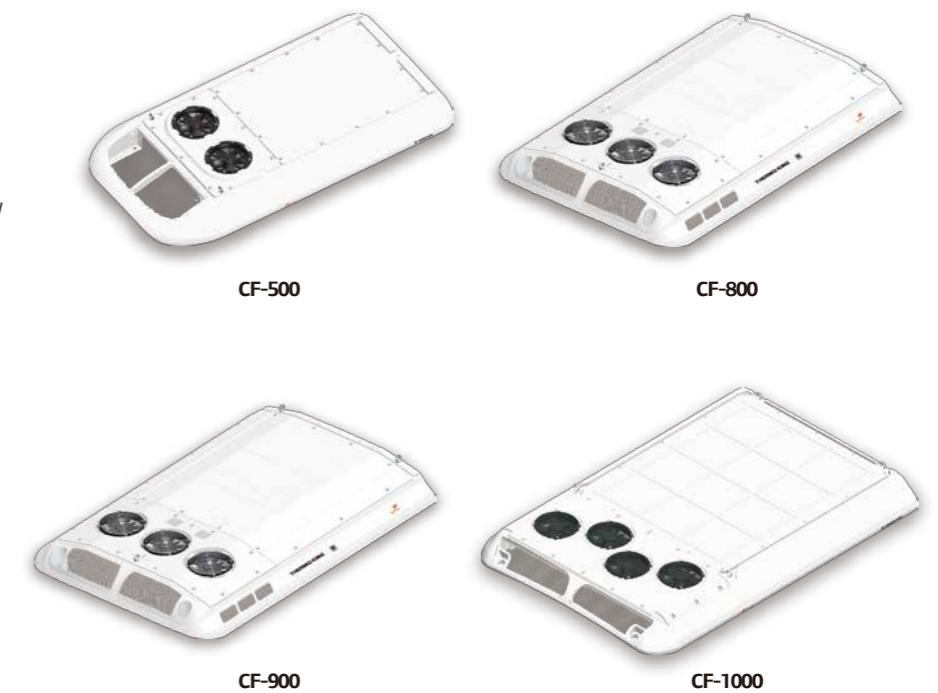
Model	CS-1000	CS-1100	CS-1200
Rated Cooling Capacity (kW)	29	33	36
Max Cooling Capacity (kW)	41	43	45
Refrigerant	R-134a	R-134a	R-407C
Refrigerant Charge (kg, approx)	5.8	6.0	5.3
Compressor	4N	4G	X430
Evaporator Air Flow (m <sup>3</sup> /h)	5,600	5,600	5,600
Current (A, 27VDC)	96	117	117
Dimension (L*W*H, mm)	3,855*1,900*225	3,855*1,900*225	3,855*1,900*225
Weight (kg)	190	195	195

**Note:** Refrigerant charge listed is for reference. Vehicle and piping configurations determine correct charge weights.

## CF Series

### Key Features

- Front air-intake ensures optimum airflow on moving vehicle
- Compact and streamlined design for enhanced vehicle efficiency and styling
- Skilled manufacturing of one-piece frames for high strength and easier maintenance
- Thermo King compressor of highest reliability and performance
- Optional brushless blowers with high efficiency and low noise
- Improved condenser coils ensure higher heat transfer efficiency



### Product Specification

Model	CF-500	CF-800	CF-900	CF-1000
Rated Cooling Capacity (kW)	14.6	20	23	29
Max Cooling Capacity (kW)	18	24	27	38
Refrigerant	R-134a	R-134a	R-134a	R-134a
Refrigerant Charge (kg, approx)	2.2	2.6	2.8	4.4
Compressor	TK31	4T	X430	X430 / 4N
Evaporator Air Flow (m <sup>3</sup> /h)	2,900	3,600	3,600	5,000
Current (A, 27VDC)	48	70	70	96
Dimension (L*W*H, mm)	2,780*1,480*220	2,600*1,800*220	2,600*1,800*220	2,818*1,900*196
Weight (kg)	115	142	142	165

**Note:** Refrigerant charge listed is for reference. Vehicle and piping configurations determine correct charge weights.

