




Valeo compressors performance tool

Looking for a vehicle compressor ?

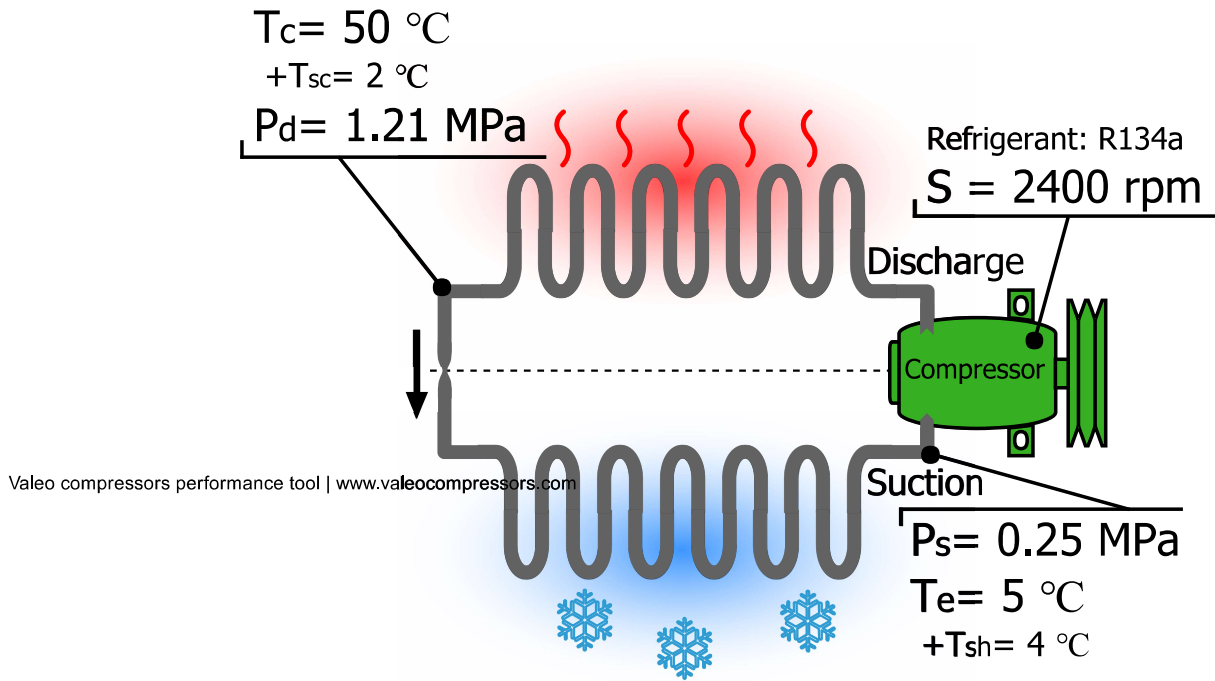
🔗 **Discover the Valeo TM Series (<http://www.valeocompressors.com/en/tm-series>)** Buses, agriculture, trucks... A single series for all kind of application, designed to be adaptable, silent and compact.

Operating conditions:

Select mode:	Cooling capacity	Compressor model
	Cooling capacity <input type="text" value="15"/> kW	Compressor model <input type="text" value="TM15"/>
Input type:	Temperatures	Pressures
Subcooling temperature Tsc: <input type="text" value="2"/> °C	Condensing temperature Tc: <input type="text" value="50"/> °C	Discharge pressure Pd: <input type="text" value="1.21"/> MPaG
Super heat temperature Tsh: <input type="text" value="4"/> °C	Evaporating temperature Te: <input type="text" value="5"/> °C	Suction pressure Ps: <input type="text" value="0.25"/> MPaG
Compressor speed <input type="text" value="2400"/> rpm	Units system: <input type="text" value="Metric"/>	<input type="button" value="Submit >"/>

 Refrigerant is R134a. Pressures are relatives. Move your mouse over fields to display ranges.

Refrigeration cycle diagram



Results:

| Performances:

Performance data
Cooling Capacity (kW)
Power (kW)
COP
Condensing capacity (kW)
Mass flow (kg/h)

TM15
8.97
3.51
2.56
12.73
248.8

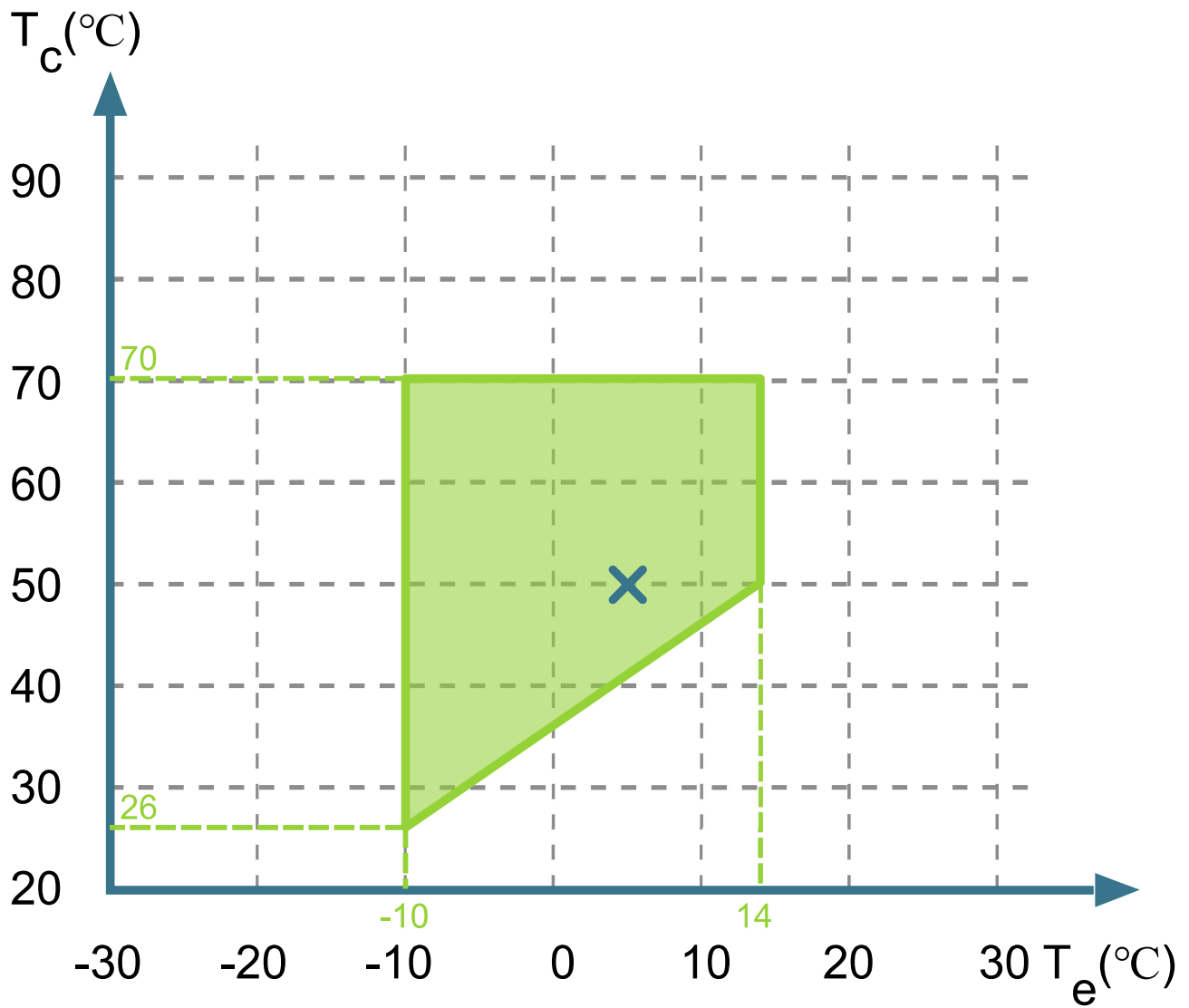
Diagrams:

● You will find additional diagrams and information in product pages (see links above)

TM15 preview:



TM15 application map:



Technical data:

Compressor specification	TM15
Technology	Heavy Duty Swash Plate
Displacement	147 cm ³ /rev
Number of Cylinders	6 (3 double-headed pistons)
Revolution Range	700 - 6000 rpm
Direction of Rotation	Clockwise & Counterclockwise
Refrigerant	HFC-134a
Bore	36.0 mm
Stroke	24.0 mm
Lubrication System	Splash lubrication
Shaft Seal	Lip seal type
Oil	ZXL 100PG PAG OIL (150 cm ³)
Weight	4.6 kg (w/o clutch)
Dimensions	202 - 124 - 142 mm (w/o clutch)
Mounting	Ear or Direct

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Results are not contractual, contact us for more details.