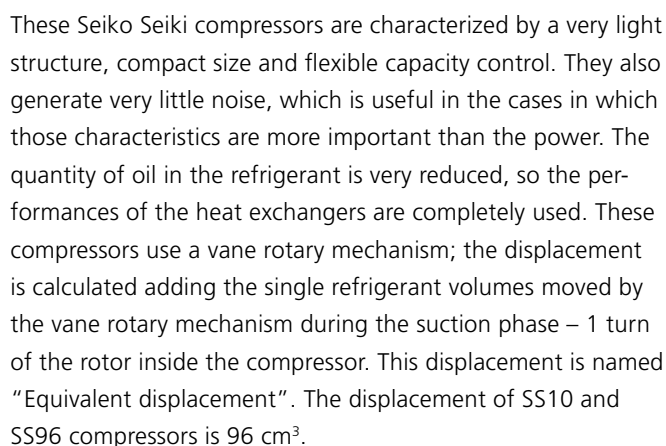


## Seiko Seiki



The graph shows the relationship between compressor speed and two performance metrics: Capacity (kW) and Power consumption (kW). The x-axis represents Compressor speed (RPM) from 0 to 3000. The y-axis represents Capacity (kW) from 0 to 6.0. Two data series are plotted: Capacity (represented by a line with diamond markers) and Power consumption (represented by a line with square markers). Both metrics increase as compressor speed increases. Capacity increases at a constant rate of 1.5 kW per 1000 RPM. Power consumption increases at a lower rate, starting at approximately 0.3 kW at 1000 RPM and reaching approximately 3.3 kW at 3000 RPM.

Compressor speed (RPM)	Capacity (kW)	Power consumption (kW)
1000	1.5	0.3
1500	2.25	0.6
2000	3.0	1.2
3000	4.5	3.3

Parameters	Specification
Type	Oval type vane rotary
Displacement (cm³)	96
Number of vanes	5
Continuous allowable speed (RPM)	800 – 8,000
Max. allowable speed (RPM)	8.400
Dry weight (kg)	1,58
Lubricant charge (cm³)	90 +/-10
Acceptable Mounting angle	± 35 deg
Withstand pressure	Low pressure side 4.9 MPa x 5 min. High pressure side 7.4 MPa x 5 min.
Gas leak rate	Maximum 14 g/year at 0.98 MPa
Rotation	Clockwise
Applicable temp. (°C)	-10 to 100
Refrigerant	R134a

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