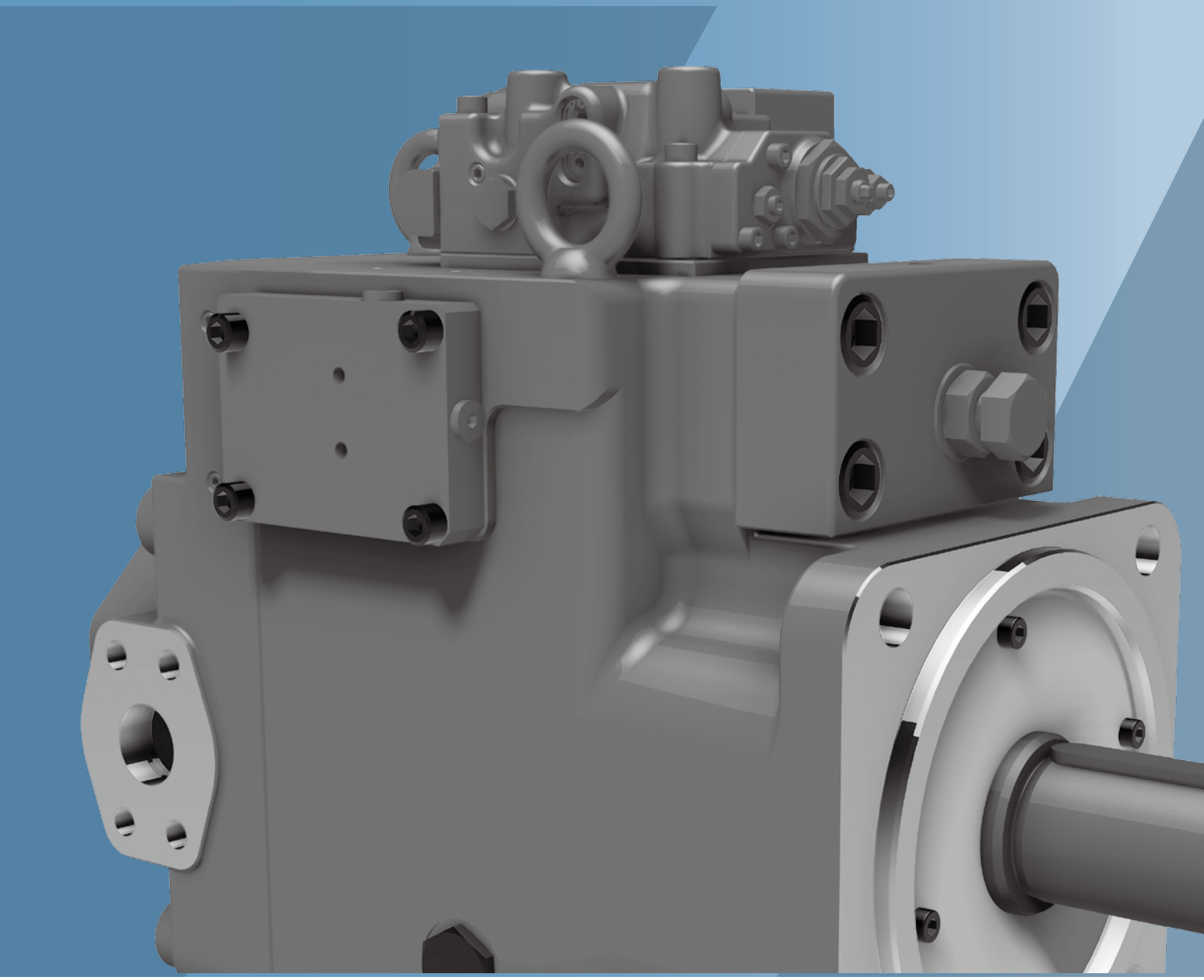
Гидравлические аксиально-поршневые насосы для открытого контура KAWASAKI серии K7VG

Технические характеристики



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www.kawasaki.nt-rt.ru || kiw@nt-rt.ru

K7VG Series

Swash-plate Axial Piston Pump

■ General Descriptions

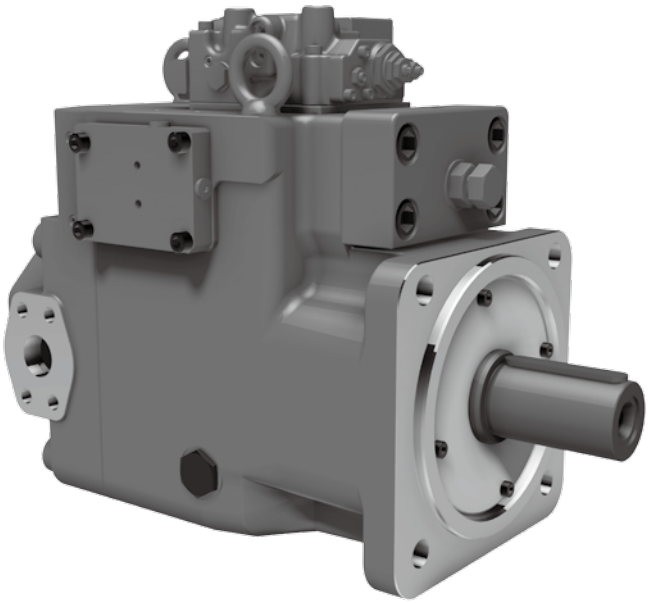
Reliable High-Pressure and Long-Life Type
This series of high-pressure, swash-plate type pumps was developed for general industrial machinery use and is based upon our long and rich experience. The adoption of the high-load bearings and friction-free contacting mechanism of shoes has achieved high reliability and long life.

Low Noise
The unique compact and rigid housing construction in addition to the semi-cylindrical swash-plate and its anti-vibration supporting mechanism has both reduced noise and pressure pulsations

High Efficiency and High Self-Priming Capability
The spherical valve plate and improved hydraulic balance provide stable cylinder rotation, thus achieving high efficiency even in a low-pressure and low-speed operating range. Additionally the shortened radius of the cylinder port reduces the peripheral fluid velocity thereby enabling its high self-priming speed capability.

Varieties of Control Methods
Good varieties of hydraulic and electrical control methods are available. The flow control, pressure control, horsepower control, and the combination of these are standardized and available.

Auxiliary Gear Pump
Various sizes of auxiliary pumps can be attached the rear SAE throughdrive mounting interface. Accordingly, there is no need for a separate pump unit as a control pressure source or as a medium-pressure system pressure source. Hydraulic units can thus be made compact.



■ Features

343 bar rating

Long Bearing Life

ISO Mount and Shaft

Optional Throughdrive

High Reliability

High Efficiency

Low Noise

Highly Responsive Controls

Pump Model		K7VG180	K7VG265
Displacement (cm^3)		180	270
Pressure (bar)	Rated	343	
	Peak	400	
Maximum Self Priming Speed (rpm)		1,850	1,600
Maximum Boosted Speed (rpm)*		2,200	1,900

Technical Information

Technical Data

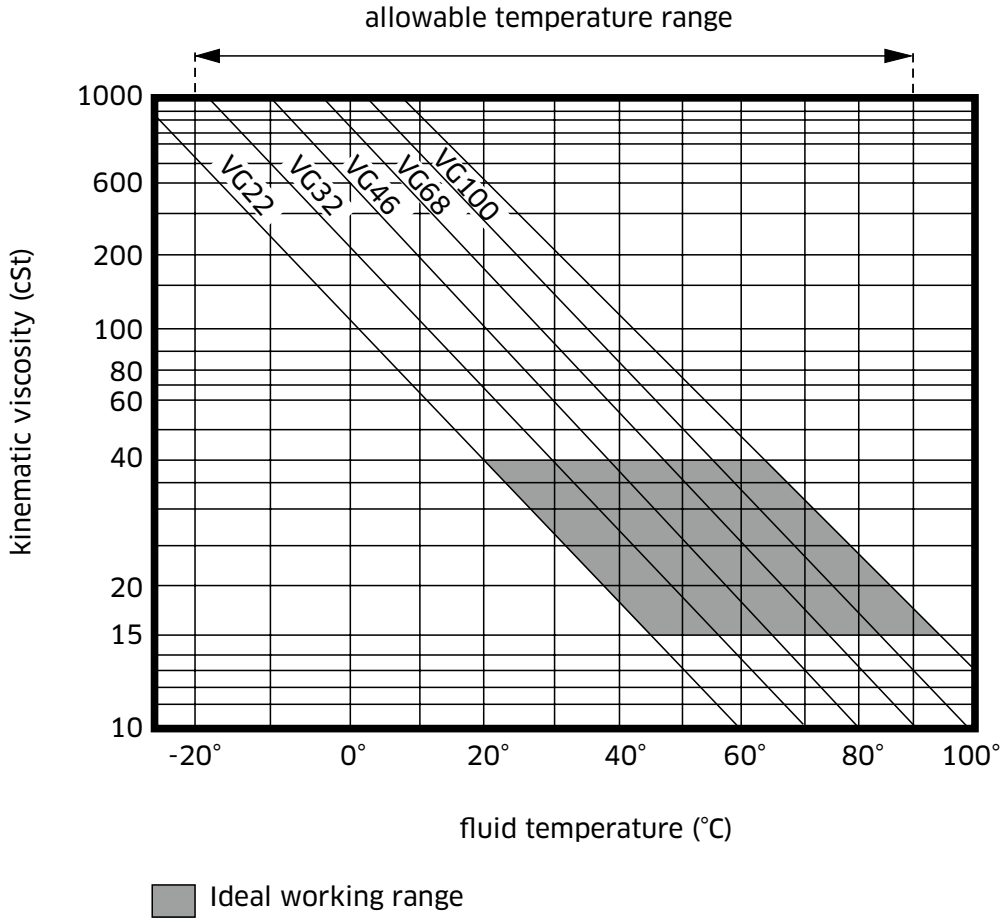
For applications outside the following parameters, please consult KPM UK.

Hydraulic Data

Pressure Fluid Mineral oil, polyol ester and water glycol.

Use a high quality, anti-wear, mineral based hydraulic fluid when the pressure exceeds 206 bar. In applications where fire resistant fluids are required consult KPM UK.

Fluid selection



Specifications

For applications outside of the following parameters please contact KPM UK.

Pump Model		K7VG180	K7VG265
Displacement (cm^3)		180	270
Pressure (bar)	Rated	343	
	Peak	400	
Maximum Self Priming Speed	(rpm)	1,850	1,600
Maximum Boosted Speed	(rpm)	2,200	1,900
Mass	(kg)	145	225

Moments of Intertia

Frame Size	180	265
MMOI GD2 (kgf.m2)	1.70x10-2 (4.25-10-3)	4.98x10-2 (1.25x10-2)
Torsional stiffness (Nm/rad)	2.07x105	5.47x104

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