○ K3VL Pump Range*

Product Specification

PUMP MODEL			45				80			112					140						200		
Capacity			45				80				112			140						200			
Pressure	Rated	bar	320																				
Ratings	Peak	bar					350																
Speed Ratings	Self Prime	rpm	2,700				2,400			2,200					2,100						1,900		
	Max. Boosted	rpm	3,250				3,000			2,700					2,500					2,200			
Minimum Operating Speed		rpm	600																				
Case Drain Pressure Max. Continuous		bar	1																				
Pressure	Peak	bar	4																				
Weight		kg	25				35				65					65					95		
Case Fill Capacity		L	0.6			0.8			1.5				1.5				2						
Maximum Allowable Input Torque #1 (Basic Coupling Arrangement)		Nm	140	225	225	225	400	400	400	400	765	980	980	980	400	765	980	980	980	980	980	1800	
Mounting Flange		Туре	SAE B-B ISO 100		SAE C ISO 125		SAE D				ISO 180	SAE D			D 15		SAE E						
		Bolts	2			2			2 4					2	4			4					
Input Shaft		Туре	ξ	SAE B-B		ISO 25mm	SAE C		ISO 32mm	SAE C	SAE C-C	SAE D		ISO 45mm	SAE C	SAE C-C	SAE D		ISO 45mm	SA	SAE D		
		Form	Spline	Spline	Key	Key	Spline	Key	Key	Spline	Spline	Spline	Key	Key	Spline	Spline	Spline	Key	Key	Spline	Key	Spline	
Allowable Through Drive Torque #2	SAE "A"		123																				
	SAE "B"		290 340																				
	SAE "B-B"	Nm	290					400 550															
	SAE "C"/C4"					400			700 990														
	SAE "C-C"							700 990															
	SAE "D"									7(00					990			
	SAE "E"																				990		
Temperature Range Oc												-20 to	+95										
Viscosity Range Cst												10 To	1,000										
Max Allowable Contamination Level						20 /	18/1	15 ISC)/DIS	4406	or SA	E as 4	059E	Table	1 Clas	s 9 (N	las16	38 Cla	iss 9)				

^{*} Please refer to the K3VL technical specification (P-1002) prior to application





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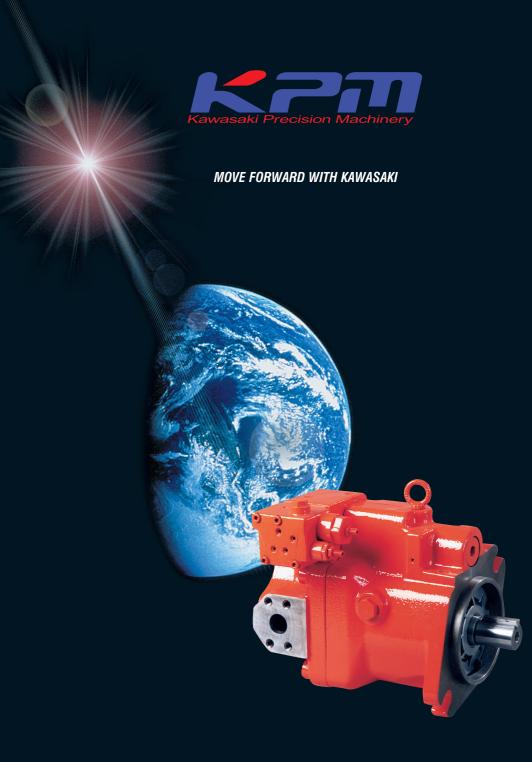
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ISO 14001 ISO 14001 Certification No. 0772945



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K3VL Series

Medium high pressure axial piston pump







Move forward with Kawasaki

With over 100 years of experience in the hydraulic industry, Kawasaki is a world leader with some of the most advanced designs on the market. Kawasaki's hydraulic products are renowned world-wide for power, efficiency, quality and reliability.

Kawasaki has expertise in supplying hydraulic equipment for mobile, industrial, marine, and many other engineering applications where there is a requirement for reliable fluid power.

Kawasaki Precision Machinery (UK) Ltd is the Sales, Marketing and Manufacturing centre for Hydraulic components for Europe, India and the Middle East, Africa and Australia.

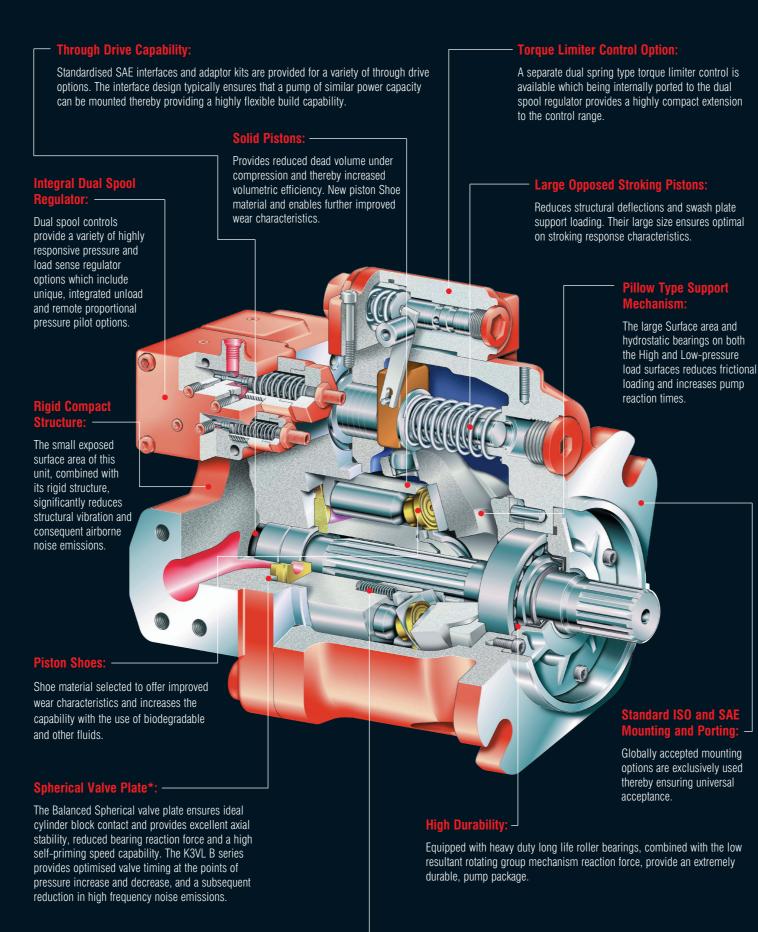
This European base is located on the banks of the River Tamar in Plymouth, Devon.The Modern Manufacturing facility produces a range of hydraulic components to include, Staffa High Torque Low speed Radial Piston Motors, Axial Piston Pumps, Axial Piston Motors.

Inward investment in personnel, training and machine tools has enabled a process of continuous improvement to accommodate both efficient and cost-effective manufacture and assembly of an extensive and highly competitive hydraulic product range.

Kawasaki strives to achieve a 'best in the marketplace' level of service. Gaining accreditation for Investors in People, ISO 9001 and ISO 14001 has enabled a highly motivated and flexible work force to adopt pioneering manufacturing techniques in making Kawasaki Hydraulic Products on short production lead times and with an enviable reputation for performance and reliability.

Kawasaki Precision Machinery, the complete hydraulic solution.

K3VL^{B-SERIES} Features & Benefits



Individual springs ensure consistent shoe contact with the swash plate, allowing 320 bar continuous running capability and minimal wear so ensuring a long maintenance free service life.

Cawasaki Medium HIGH Pressure Axial Piston Pump



The K3VL series of axial piston pumps incorporates the latest pump technology from Kawasaki. Building on the success of the proven and highly reliable K3V range the K3VL series was developed for the global Marine, Mobile and Industrial markets where low noise emissions, high efficiency, controllability, flexibility, reliability and extended pump life are all considered essential.

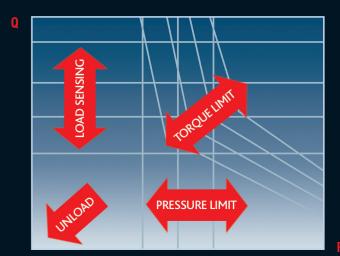
Pioneering technology has been employed in the design of the spherical valve plate, material composition and hydrostatic bearing techniques to enable many market leading features.

The K3VL offers a highly efficient, compact design with through drive capability, high self priming speeds, and with a 320 bar continuous pressure rating it is very robust and reliable.

The K3VL B series comes with an extensive range of integral control options enabling exceptional overall specification and performance.

Available in SAE and ISO mounting options the Kawasaki K3VL B series medium pressure, variable displacement open circuit pump provides customers with the opportunity to truly differentiate their machinery by selecting high performance hydraulic components from Kawasaki Precision Machinery.

Ocontrol Options



- Pressure limiter and remotely operated pressure compensator combination (Type P0), with integral unload (Type PN* & PM*) and proportional relief remote control (Type PV*)
- Pressure limiter and load sense combination
 (Type L0 & L1) with integral unload (Type LN* & LM*)
 and proportional relief remote control (Type LV*)
- Torque limiter control (Type /1-S,L,M or H settings*)
 which can be integrated with any of the foregoing combinations
- Electrical displacement control (Type E0*)
- Hydraulic pilot operated displacement control (Type Q0*)

*Except the K3VL45 model