

How does a axial piston pump work?

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Engineering Essentials: Fundamentals of Hydraulic Pumps Jan 1, 2012 — Flow through a screw pump is axial and in the direction of the power rotor. The inlet hydraulic fluid that surrounds the rotors is trapped as

All About Axial Piston Pumps - What They Are and How They Axial piston pumps can be designed as variable displacement piston pumps, making them very useful for controlling the speeds of hydraulic motors and cylinders. How a Hydraulic Piston Pump Works - Western Hydrostatics Feb 2, 2018 — Axial pumps are referred to as propeller pumps due to their propeller design. These pumps push the flow of fluids in a spiral-like motion along

LINDE HPR HYDRAULIC PUMP								
	d	D	B	da	Da	Radius	Chamfer	Oil Holes
K5V80DT-1LCR-9C05	80 mm	120 mm	16 mm	92 mm	109 mm	0.6 mm	-	2.5 mm
K5V140DTP1G4R-9N0A-AV	120 mm	170 mm	20 mm	136 mm	153 mm	1.5 mm	-	2.5 mm
K5V200DTH10XR-9C0Z-V	150 mm	210 mm	25 mm	168 mm	188 mm	1.5 mm	-	2.5 mm
A8V80SR	80 mm	165 mm	22 mm	117 mm	132 mm	-	1 mm	3 mm
MPR63-01/531000256	160 mm	295 mm	35 mm	218 mm	238 mm	-	2 mm	6 mm
BPR105-01/226000253	80 mm	165 mm	22 mm	117 mm	132 mm	-	1 mm	3 mm
KFA2FO45/61L-DEK64*G*	200 mm	295 mm	35 mm	238 mm	258 mm	2 mm	-	3 mm
K5V200DTH10ZR-9N0Z-V	150 mm	210 mm	25 mm	168 mm	188 mm	1.5 mm	-	2.5 mm
K5V200DPH1J0R-ZC24-V	190 mm	240 mm	25 mm	203 mm	223 mm	1 mm	-	2.5 mm

MPR43-0 1/530000 2555	90 mm	130 mm	16 mm	104 mm	120 mm	1 mm	-	2.5 mm
K5V140D TP162R-9 N0A	90 mm	210 mm	25 mm	139 mm	157 mm	-	1.5 mm	3 mm
MPR43-0 1/530000 2558	250 mm	355 mm	40 mm	289 mm	311 mm	2 mm	-	4 mm
BPR140-0 1/227000 255	70 mm	100 mm	13 mm	77 mm	92 mm	0.6 mm	-	2 mm
BPR260-0 1/229000 2522	80 mm	120 mm	16 mm	92 mm	109 mm	0.6 mm	-	2.5 mm
KFA2FO8 0-63-MEK 64	130 mm	190 mm	25 mm	148 mm	168 mm	1.5 mm	-	2.5 mm
KFA2FO6 3-61L- DEK64	115 mm	240 mm	28 mm	168 mm	188 mm	-	1.5 mm	3 mm
K5V200D T-125R-5 P09	90 mm	210 mm	25 mm	139 mm	157 mm	-	1.5 mm	3 mm
MPR63-0 1/531000 255	170 mm	220 mm	20 mm	183 mm	203 mm	1.5 mm	-	2.5 mm
BPR186-0 1/228000 2502	160 mm	295 mm	35 mm	218 mm	238 mm	-	2 mm	6 mm
HR32-7/4 20000510 6	240 mm	300 mm	25 mm	257 mm	279 mm	2 mm	-	2.5 mm
BPR75-01 /2250002 502	300 mm	360 mm	25 mm	317 mm	339 mm	2.5 mm	-	2.5 mm
KFA2FO5 6-61L- DEK64	80 mm	165 mm	22 mm	117 mm	132 mm	-	1 mm	3 mm
K5V140D TP1G9R- 9N0A-AV	90 mm	140 mm	20 mm	104 mm	120 mm	1 mm	-	2.5 mm
K5V140D TP1J9R-9 C12-AL	130 mm	190 mm	25 mm	148 mm	168 mm	1.5 mm	-	2.5 mm
K5V140D	30 mm	55 mm	10 mm	35 mm	46.8 mm	0.6 mm	-	1.5 mm

TP1U9R-9								
Y15-AHV								
HR20-9/4	300 mm	395 mm	35 mm	337 mm	359 mm	2.5 mm	-	3 mm
18000515								
9								
K5V140D	55 mm	120 mm	15 mm	77 mm	92 mm	-	0.6 mm	3 mm
TP1W9R-								
9C0D								
K5V200D	80 mm	165 mm	22 mm	117 mm	132 mm	-	1 mm	3 mm
PH1K1R-								
YT3K-V								
PR75T/42	240 mm	300 mm	25 mm	257 mm	279 mm	2 mm	-	2.5 mm
10007525								
K5V140D	60 mm	90 mm	13 mm	67 mm	82 mm	0.6 mm	-	2 mm
TP1N9R-9								
N07-V								
KFA2FO3	160 mm	295 mm	35 mm	218 mm	238 mm	-	2 mm	6 mm
2/61R-								
DEK64								
K5V200D	115 mm	240 mm	28 mm	168 mm	188 mm	-	1.5 mm	3 mm
TH1X5R-9								
N1H-BV								
K5V160D	90 mm	210 mm	25 mm	139 mm	157 mm	-	1.5 mm	3 mm
TP149R-9								
C34-V								
HR16-9/4	150 mm	210 mm	25 mm	168 mm	188 mm	1.5 mm	-	2.5 mm
17000515								
8								
BPR260-0	70 mm	100 mm	13 mm	77 mm	92 mm	0.6 mm	-	2 mm
1/229000								
256								
BPR260-0	220 mm	280 mm	25 mm	237 mm	259 mm	2 mm	-	2.5 mm
1/229000								
25								
K5V140D	35 mm	60 mm	10 mm	40 mm	51.8 mm	0.6 mm	-	1.5 mm
TP1G9R-								
9N0A-V								
BPR186-0	35 mm	60 mm	10 mm	40 mm	51.8 mm	0.6 mm	-	1.5 mm
1/228000								
2558								
AL A7V-	400 mm	480 mm	35 mm	426 mm	447 mm	2.5 mm	-	3 mm
SL 1000								
HD 51LZH								
OD-SO								
A7V-	90 mm	210 mm	25 mm	139 mm	157 mm	-	1.5 mm	3 mm
SL1000								

HD 51LZHOD-SO								
A8VTO107LG1DS-60R1-NZG05K01-S	50 mm	80 mm	13 mm	57.2 mm	72 mm	0.6 mm	-	2 mm
K5V140DTP10LR-YT2K-V	160 mm	295 mm	35 mm	218 mm	238 mm	-	2 mm	6 mm
AL A7V-SL 1000 HD 51LZHOD-SO	400 mm	480 mm	35 mm	426 mm	447 mm	2.5 mm	-	3 mm
A A7V-SL 500 HD 51LZFOD-SO	120 mm	150 mm	16 mm	126 mm	143 mm	1 mm	-	2.5 mm
K7V63DTP112R-0E33-PVD	160 mm	295 mm	35 mm	218 mm	238 mm	-	2 mm	6 mm
BPR186-01/2280002554	115 mm	240 mm	28 mm	168 mm	188 mm	-	1.5 mm	3 mm
BPR186-01/2280002561	200 mm	260 mm	25 mm	218 mm	238 mm	2 mm	-	2.5 mm
KVA7VO55DRS 63L-MEK64	90 mm	130 mm	16 mm	104 mm	120 mm	1 mm	-	2.5 mm
KVA7VO80DRS-63R-MEK64	90 mm	210 mm	25 mm	139 mm	157 mm	-	1.5 mm	3 mm
K5V140DTP1X9R-5E19	300 mm	360 mm	25 mm	317 mm	339 mm	2.5 mm	-	2.5 mm
K5V140DT-1V7R-1N04	20 mm	36 mm	8 mm	22.9 mm	30.8 mm	0.6 mm	-	1.5 mm
BPR260-01/229000252	115 mm	240 mm	28 mm	168 mm	188 mm	-	1.5 mm	3 mm
A8V80SR1R10XF1	120 mm	180 mm	25 mm	138 mm	158 mm	1.5 mm	-	2.5 mm
HR32-9/420000511	45 mm	70 mm	10 mm	50 mm	61.8 mm	0.6 mm	-	1.5 mm

1								
A8VTO10	30 mm	55 mm	10 mm	35 mm	46.8 mm	0.6 mm	-	1.5 mm
7LR3DS-6								
0R1-NZG								
05K01-S								

How Does a Hydraulic Piston Pump Work? - Panagon Systems Jul 28, 2020 — An axial pump uses a propeller to push fluid along the axis in a spiral motion. These unique pumps are common in aerospace and marine

What Is an Axial Piston Pump? - AboutMechanics Jul 2, 2022 — An axial piston pump is a piece of equipment that moves several pistons up and down. The pump typically does this with the displacement Axial Piston Pump Design - Online Hydraulic Training Courses Jun 13, 2022 — Axial piston pumps typically have 9 pistons that rotate around a central drive shaft. As the pistons rotate they move against a swashplate or

Axial piston pump - Wikipedia An axial piston pump is a positive displacement pump that has a number of pistons in a circular array within a cylinder block. Piston Pump: Working, Types, Advantages and Disadvantages Axial Piston Pump This is pump is a PD (positive displacement) pump and it has several pistons within a circular array of a tube block. This block can be

Piston Pump - an overview | ScienceDirect Topics In axial piston pumps, the cylinder block and drive shaft are on the same centerline and the pistons reciprocate parallel to the drive shaft. The simplest type Principles and applications of the axial piston pump Jul 15, 2016 — At the heart of the axial piston pump is a group of finely machined pistons that are fitted inside a round cylinder barrel which rotates. In a