How does a axial piston pump work?

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Axial piston pump - WikipediaAn axial piston pump is a positive displacement pump that has a number of pistons in a circular array within a cylinder block.

How a Hydraulic Piston Pump Works - Western HydrostaticsFeb 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 Axial Piston Pump Design - Online Hydraulic Training CoursesJun 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

BOSCH REXROTH A4VSO VARIABLE DISPLACEMENT PUMPS								
	E	W	N	S	h	J	H	F
A11VO145LRDS/11R-NSD12KXX-S	-	-	-	-	-	-	-	-
A11VO190EP2S/11R-NSD12K17H-ES	-	-	-	-	-	-	-	-
A11VO40DR/10R-NZC12N	-	-	-	-	-	-	-	-
A11VO60DRS/10R-NZC12K07	-	-	-	-	-	-	-	-
A11VO130LRDS/10L-NSD12N	-	-	-	-	-	-	19 mm	-
A11VO95LRS/10L-NSD12N	-	-	-	-	-	-	-	-
A11VO130DR-10R-NPD12N	-	-	-	-	-	-	-	-
A11VO60DRS/10R-	-	-	-	-	-	-	-	-

NZC12N00-S								
A11VO95LG1D/10L-NZD12N00-S	-	-	-	-	-	-	-	-
A11VO95LRS/10L-NZD12N00-S	-	-	-	-	-	-	-	-
A11VO260EP2D/11R-NZD12K02H-S	-	-	-	-	-	-	-	-
A11VO260DRS/11R-NZD12K84	-	-	-	-	-	-	-	-
A11VO145LRCS/11R-NZD12K04-S	-	-	-	-	-	-	-	-
A11VO75DRS/10R-NZD12K61	-	-	-	-	-	-	-	-
A11VO260DRS/11R-NPD12N	-	-	-	-	-	-	-	-
A11VO95LE2S-10R-NZD12N00T-S	-	-	-	-	-	-	-	-
A11VO130DRS/10R-NSD12K17	-	-	-	-	-	-	-	-
A11VO95LRDS/10R-NZD12K01	-	-	-	-	-	-	-	-
A11VO130LE2S2/10R-NZG12N00T	-	-	-	-	-	-	-	-

A11VO95LR3S/10R-NZD12K82	-	-	-	-	-	-	-	-
A11VO60DRS/10R-NZC12N00-S	-	-	-	-	-	-	-	-
A11VO190LRDH1/11R-NZD12KXX-S	9.156 in	-	-	-	-	-	0.323 in	-
A11VO95LG2S/10+A4VG56DGD/32	-	-	-	-	-	-	-	-
A11VO130LRDH1+A4FO22	-	-	-	-	-	-	-	-
A11VO95LRDH1/10R-NZD12K52-E	-	-	-	-	-	-	-	-
AA11VO95LRDH2/10L-NSD62N00-E	-	-	-	-	-	-	-	-
A11VO95LRCS+A10VO45DFLR	-	-	-	-	-	-	-	-
A11VO60LRDH5/10L-NSC12K02	-	-	-	-	-	-	-	-
AA11VO130LG2S-10R-NZGXXK80-S	-	-	-	-	-	-	-	-
A11VO190DRG/11L-NTD12K02	-	-	-	-	-	-	-	-
A11VO60LRDS/10R-NSC12	-	-	-	-	-	-	-	-

K07								
A11VO145LRDZ/11L-NSD12KXX-S	-	-	-	-	-	-	-	-
A11VO260EP2G/11R-NZD12K67RH-S	-	-	-	-	-	-	-	-
A11VO145LE2S2/11R+A4VG71DGD2/32R+AZPF-11	-	-	-	-	-	-	-	-
A11VO190LRDS-11R-NZD12K02-S	-	-	-	-	-	-	-	-
A11VO95LRS-10L-NZD12K04-S	-	-	-	-	-	-	-	-
A11VO260LRH1/11R-NPD12K24-K	-	-	-	-	-	-	-	-
A11VO40DR/10R-NSC12K01	-	-	-	-	-	-	-	-
A11VO60DRS/10R+A11VO60DRS/10R	-	-	-	-	-	-	-	-
A11VO95LRDH1/10R-NZD12K61	-	-	-	-	-	-	-	-
A11VO260DRG/11R-NSD12K02	-	-	-	-	-	-	-	-
A11VO95LRSU2-10R-NSD12	-	-	-	-	-	-	44 mm	72 mm

K01H								
A11VO130LRDH1/10R-NZD12N00-S	-	-	-	-	-	-	-	-
A11VO160LRDU2-10R-NZD12N	-	-	-	-	-	350.00 mm	242 mm	-
A11VO130LRDH1-10R-NZD12K83	-	-	-	-	-	-	-	-
A11VO95LRS/10R-NZD12K82-S	-	-	40 mm	-	-	450 mm	160 mm	-
A11VO95LRS-10+A4VG71DGD-32	-	-	-	-	-	-	-	-
A11VO200LRGH6-10L-NZD12N	-	-	-	-	-	-	-	-
A11VO95LRDS/10R-NSD12K82	-	-	-	-	-	-	-	-
A11VO60LRDS-10L-NZC12N	-	-	20 mm	-	-	171 mm	63,5 mm	-
A11VO145EP2S/11R-NSD12K17H-S	-	-	-	-	-	-	-	-
A11VO190LRDU2/11L-NZD12K01P-S	-	-	-	-	-	-	-	-
A11VO40LRDS-10R-NSC12N	-	-	-	-	-	-	-	-
A11VO130LR3DH1/	-	-	-	-	-	-	-	-

10R-NZD12K83								
A11VO95DRG/10R-NSD12N	-	-	-	-	-	-	-	-
A11VO60DRS/10R-NSC12K04	-	-	-	-	-	-	-	-
A11VO95LRDH1/10R-NZD12K52	-	-	-	-	-	-	-	-
A11VO95LRDH1/10R-NZD12K04	-	-	-	-	-	-	-	-
A11VO60DRS/10R-NZC12K07	-	-	-	-	-	-	-	-
A11VO95HD2D-10R-NZD12K07	-	-	-	-	-	-	-	-
A11VO190EP2S 11R-NSD12K17H-ES	-	-	-	-	-	-	-	-
A11VO130DR-10R-NSD12K04	-	-	-	-	-	-	-	-
A11VO40EP2D/10R-NZC12N00XH-S	-	-	-	-	-	85 mm	-	-
AA11VO130LG2S+A4VG40DWD1	-	-	-	-	-	-	-	-
A11VO60DRSP/10R-NZC12N00-S	-	-	-	-	-	-	-	-
A11VO26	-	-	-	-	-	-	-	-

0LR-11R-NPD12K24								
A11VO95LRDU2-10L-NPD12K81VH-S	-	-	-	-	-	-	-	-
AA11VO145LG2S+AA4VG56DWD1	-	-	-	-	-	-	-	-
A11VO60HD1D-10R-NSC12N00R902118472_	-	-	-	-	-	-	-	-
A11VO75LR/10R-NSD12K01	-	-	-	-	-	-	-	-
A11VO60LRDG/10L-NSC12K07	-	-	-	-	-	-	-	-
AA11VO95LRDH2/10L-NSD62N	-	-	-	-	-	-	-	-
AA11VO190LR3S/11L-NSD62N	-	-	-	-	-	-	-	-
A11VO75DRX/10L-XZD12N00-S	-	-	-	-	-	-	-	-
A11VO190LG1CS+A10VO71DFLR	-	-	-	-	-	-	-	-
A11VO 75EP2D/10L-NPD12NOO	-	-	-	-	-	-	-	-
A11VO130LRDU2-10R-NPD1	-	-	-	-	-	-	-	-

2N00-S								
A11VO260LR-11R-NPD12K24-K	-	-	-	-	-	-	-	-
A11VO160LRDS/10R-NSD12N	192,77 mm	-	-	4 mm	-	-	-	-
A11VO60LRDS/10R-NZC12N	-	-	-	-	-	-	-	-
A11VO130LE2S2/10R-NZG12N00T-S	-	-	-	-	5,4 mm	-	8 mm	-
AA11VO145LG2S+AA4VG56DWD1	-	-	-	-	-	-	-	-
A11VO190EP2S-11R-NSD12K17H-ES	-	-	-	-	-	-	-	-
A11VO190LG1CS5/11R+A10VO45DFLR/31R	-	-	-	-	-	-	-	-
AA11VO145LG2S+AA4VG40DWD1	-	-	-	-	-	-	56,000 mm	-
A11VO130LG1-10L-NZD12K83-S	-	-	-	-	-	-	-	-
A11VO95LG1DS-10L-NZD12N00V	-	-	-	-	-	-	-	-
A11VO40LR3DS-10R-NTC12K02-S	-	-	-	-	-	-	-	-

A11VO95LG1DS/10R-NSD12K02	-	-	-	-	-	-	-	-
A11VO260LRS/11R-NZD12K07-S	-	-	-	-	-	-	-	-
AA11VO145LG2S-11R-NZGXXK80-S	-	-	-	-	-	-	-	-
A11VO145EP2D 11R-NPD12K01P	-	8 mm	-	-	-	-	-	-
A11VO60HD2+A11VO60HD2	-	-	-	-	-	-	-	-
A11VO190EP2D/11R-NZD12K61H-S	-	-	-	-	-	-	-	-
A11VO130EP2S/10R-NSD12K07-S	-	-	-	-	-	-	-	-
A11VO60DRS/10R-NSC12N	-	-	-	-	-	-	-	-
A11VO60HDX+A11VO60HDX	-	-	-	-	-	-	-	-
A11VO130DRG/10L-NSD12K17	-	-	-	-	-	-	-	-
A2FO12/61R-PZB06	-	-	-	-	-	-	-	-
A11VO75LR3S-10R-NZD12N	-	-	-	-	-	-	-	-
A11VO75LRS/10R-NSD12K01	-	-	-	-	-	-	-	-

A11VO95 LRS/10R-NZD12K82-S	-	-	-	-	-	-	-	-

Piston Pump: Working, Types, Advantages and DisadvantagesAxial 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

Engineering Essentials: Fundamentals of Hydraulic PumpsJan 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 Principles and applications of the axial piston pumpJul 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

How Does a Hydraulic Piston Pump Work? - Panagon SystemsJul 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 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.

What Is an Axial Piston Pump? - AboutMechanicsJul 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 Piston Pump - an overview | ScienceDirect TopicsIn 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