What is the difference between a variable displacement pump and a fixed-displacement pump?

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What is the difference between variable and fixed - QuoraNov 5, 2016 — A fixed displacement pump always has the same displacement and always pumps the same amount at the same speed. A variable displacement pump has an adjustable

Different Types of Hydraulic Pumps With Their ClassificationsDec 10, 2020 — Fixed displacement pumps make little noise, so they are perfect for use in for example theatres and opera houses. Variable displacement Understanding Variable Displacement Pumps - WHYPSMay 4, 2019 — The non-positive hydraulic pumps produce continuous flow and the positive displacement pump produces an approximate constant flow at fixed

LINDE HPR HYDRAULIC PUMP								
	d	B	D	r1	Noun	Seals	Weight	grade:
K5V80DT-1J0R-9C0J	3-11/16 in	-	8-1/8 in	-	-	-	-	-
MPR50-01/22060002505	2-3/16 in	-	39-1/2 in	-	-	-	-	-
AL A7V-SL 1000 HD 51LZH OD-SO	1.9375 in	2.4690 in	3.5430 in	-	-	-	-	-
K5V140S-105R-5P09	300 mm	90 mm	420 mm	-	-	-	39.700 kg	-
AL A7V-SL 1000 HD 51LZH OD-SO	-	-	5.3300 in	-	-	-	2.369 lbs	-
BPR75-01/225000252	3 in	-	3-5/8 in	-	-	-	-	-
K5V140DTP162R-9N0A	2.4375 in	-	8.3800 to 8.6200 in	-	-	-	-	-
AA7V-SL5	1-7/16 in	-	1-5/8 in	-	-	-	-	-

00LV51RZFOD								
PR140T/423000752 5	50 mm	27 mm	110 mm	-	-	-	1.070 kg	-
KFA2FO56-61L-DEK64	40 mm	23 mm	80 mm	1.1 mm	-	-	-	-
MPR63-01/5310002556	-	4-3/4 in	8-1/4 in	-	-	-	-	-
MPR43-01/5300002524	-	-	4.0000 in	-	-	-	-	-
MPR63-01/5310002551	-	-	-	-	-	-	0.72 lbs	Precision
K7V63S-119L-5E2L-V	3.438 Inch | 87.325 Millimeter	4.409 Inch | 112 Millimeter	4.02 Inch | 102.108 Millimeter	-	Bearing	Triple Lip Viton	22.7	-
KVA7VO80DRS/63L-MEK64	-	-	-	-	-	-	-	-
KFA2FO32-62-MEK64	-	5.8750 in	4.8750 in	-	-	-	-	-
K5V140DTP1G9R-9N0A-AV	2.4375 in	3-21/32 in	6-15/16 to 8-3&	-	-	-	-	-
K5V200DTH10WR-9N0Z-V	0.6250 in	-	-	-	-	-	-	-
A8V80SR	1.0000 in	-	1.6250 in	-	-	-	-	-
BPR140-01/2270000253	1.5000 in	5.1250 in	4.0000 in	-	-	-	-	-
K5V140DTP1J9R-9C12	35 mm	-	-	-	-	-	-	-
MPR63-01/53100025	20 mm	-	-	-	-	-	0.29 kg	-
A8VTO107LR3DS-60R1-NZG05K01-S	-	-	4.3750 in	-	-	-	0.29 lb	-

KFA2FO45-62-MEK64	1.4375 in	2-7/32 in	4-3/4" to	-	-	-	-	-
BPR260-01/2290002562	80 mm	39 mm	170 mm	-	-	-	-	-
BPR105-01/2260002503	280 mm	146 mm	-	-	-	-	-	-
A7VSL1000HD51LZHOD-SO	1-3/4 in	-	2 in	-	-	-	-	-
A8V107	1.3750 in	2.0000 in	5.6250 to 6.8750 in	-	-	-	-	-
KFA2FO125/62-MEK64	-	-	-	-	-	-	0.004 lbs	-
BPR75-01/22500025	2.0000 in	-	4.3750 in	-	-	-	-	-
BPR186-01/2280002562	-	-	1.3775 in	-	-	-	-	-
MPR43-01/5300002559	1.1250 in	3.1250 in	-	-	-	-	-	-
K5V200DP-1M1R-2E49-V	-	62 mm	300 mm	-	-	-	-	-
BPR260-01/2290002561	-	-	-	-	-	-	-	-
HR32-7/4200005107	1.9685 in	-	3.5433 in	-	-	-	-	-
A8VTO107LR3DS-60R1-NZG05K01-S	1.7500 in	4.1250 in	-	-	-	-	-	-
BPR260-01/2290002502	2.4375 in	3-1/2 in	6-15/16 to 8-3&	-	-	-	-	-
BPR186-01/22800025	5.0000 in	7-7/8 in	-	-	-	-	-	-
HR16-11/	70 mm	20 mm	110 mm	-	-	-	-	-

417000516								
KFA2FO45/61L-DEK64*G*	340 mm	133 mm	520 mm	-	-	-	-	-
KVAA7VO80DRS/63R-MSC67	10 mm	11 mm	35 mm	-	-	-	-	-
K5V80DTP1KBR-0E02-V	10 mm	6 mm	22 mm	-	-	-	-	-
MPR43-01/5300002558	2.0000 in	-	-	-	-	-	-	-
BPR260-01/229000256	0.4375 in	0.9375 in	-	-	-	-	-	-
K5V140DTP1ULR-9Y15-AHV	5-7/16 in	-	12-1/4 in	-	-	-	-	-
MPR43-01/5300002553	-	-	-	-	-	-	-	-
K5V200DPH1K1R-YT3K-V	1.5000 in	2.1250 in	-	-	-	-	-	-
KVA7VO107DRS-63R-MEK64-S-C	5/8 in	-	1-1/2 in	-	-	-	-	-
K5V80DT-1LCR-9C05	1.4375 in	2.0000 in	3.1496 in	-	-	-	-	-
KFA2FO63-62-MEK64	5/8 in	-	1 in	-	-	-	-	-
PR50T/4020007525	40 mm	-	148 mm to 164 mm	-	-	-	-	-
K5V140DTP1W9R-9C0D	15 mm	-	-	-	-	-	-	-
K5V200S-165R-4	1/2 in	-	1-7/16 in	-	-	-	-	-
K5V200DTH10XR-9	2.5000 in	-	3.9375 in	-	-	-	2.5 lbs	-

C0Z-V								
HR32-9/420000511 1	0.7500 in	-	3.5313 in	-	-	-	-	-
PR186T/424000752 5	1.6875 in	-	5.5000 in	-	-	-	-	-
K5V200SH117R-5E59	1.4375 in	1.54 in	4.8 to 5.12 in	-	-	-	-	-
A8V107SR7	25 mm	4.8750 in	3.8906 in	-	-	-	-	-
PR35T/4010005101	45 mm	-	-	-	-	-	-	-
A A7V-SL 1000 HD 51LZHOD-SO	-	-	-	-	-	-	-	-
KFA2FO63-61-MEK64	85 mm	4-3/8 in	254 mm	-	-	-	-	-
HR25-9/419000516	0.8750 in	-	2.0472 in	-	-	-	-	-
MPR43-01/5300002522	-	-	-	-	-	-	-	-
KFA2FO80-62L-DEK64	2.9375 in	-	-	-	-	-	-	-
KFA2FO45/61R-DEK64	17 mm	10 mm	30 mm	-	-	-	-	-
K5V200DTH150R-9N1Y-V	5/16 in	-	7/16 in	-	-	-	-	-
K5V140DTP1T9R-9N2A	1.5000 in	-	2.4380 in	-	-	-	-	Commercial
K5V140DTP1J9R-9C12-L	7/8 in	-	1-7/16 in	-	-	-	-	-
BPR105-01/2260002501	0.9375 in	-	-	-	-	-	-	-
MPR63-01/531000	25 mm	40.1 mm	95 mm to 114 mm	-	-	-	-	-

2558								
PR75T/4210005101	85 mm	49.2 mm	150 mm	-	-	-	3.780 kg	-
A8V28SR2R112G1	3.937 Inch | 100 Millimeter	4.921 Inch | 125 Millimeter	4.606 Inch | 117 Millimeter	-	Bearing	Triple Lip Urethane	22.7	-
K5V140DTP1F2R-9N0A-A	3.0000 in	-	-	-	-	-	-	-
AL A7V-SL 1000 HD 51LZHOD-SO	7.8750 in	-	-	-	-	-	-	-
K5V200SH149R-5L4D	-	-	-	-	-	-	-	-
BPR140-01/2270002502	4.5000 in	-	-	-	-	-	7.67 lbs	-
AL A7V-SL 1000 HD 51LZHOD-SO	310 mm	109 mm	455 mm	-	-	-	-	-
K5V160DTP149R-9C34-V	85 mm	41 mm	180 mm	-	-	-	-	-
BPR140-01/227000255	0.1900 in	-	-	-	-	-	0.05 lbs	Aircraft
MPR43-01/530000255	100 mm	34 mm	180 mm	-	-	-	3.230 kg	-
BPR50-01/224000252	0.7500 in	2.5156 in	3.5469 in	-	-	-	-	-
HR16-5/4170005155	1.3750 in	4.8100 in	-	-	-	-	-	-
K5V140DTP1DLR-9TAS-FV	-	-	4.0620 in	-	-	-	1.8 lbs	-
K5V140DTP196R-9E04	-	-	-	-	-	-	-	-
KFA2FO107-62L-	2.0000 in	2.9531 in	6.75 to 8.5000 in	-	-	-	-	-

DEK64								
HR16-11/4170005161	160 mm	-	180 mm	-	-	-	-	-
K5V200DPH1BDR-9TAW-V	0.7500 in	-	-	-	-	-	0.673 lb	-
BPR186-01/2280002522	2.1875 in	6.8750 in	5.6250 in	-	-	-	-	-
BPR186-01/2280002563	2.7500 in	-	-	-	-	-	-	-
PR140T/4230005101	7/8 in	-	1-1/8 in	-	-	-	-	-
MPR63-01/5310002553	1.0625 in	1.5000 in	2.4409 in	-	-	-	-	-
BPR105-01/2260002526	85 mm	28 mm	150 mm	-	-	-	-	-
K5V140DTP1J9R-9C12-AL	3-1/2 in	8.4375 in	6.7188 in	-	-	-	-	-
K5V140DTP1N9R-9N07-V	2.5000 in	7.6250 in	-	-	-	-	-	-
K5V200DTH10YR-9N0B-V	4.5000 in	-	-	-	-	-	-	-
HR20-9/4180005159	1.2500 in	1-49/64 in	4-15/16 in	-	-	-	-	-
K5V200DPH1DBR-ZS24-V	25 mm	20 mm	42 mm	-	-	-	-	-
K5V80DT-100L-1002-V	2-7/16 in	-	-	-	-	-	-	-
A8V55SR4R131F1	-	185 mm	780 mm	-	-	-	-	-
MPR63-01/5310002557	70 mm	42 mm	180 mm	3 mm	-	-	5.400 kg	-
K5V140D	300 mm	160 mm	500 mm	-	-	-	-	-

TP10LR-YT2K-V								
K5V200DTH10WR-9N2Z-VT	1.1250 in	-	-	-	-	-	-	-
A A7V-SL500HD51LZH0D	1.0000 in	1.6250 in	1.5631 in	-	-	-	-	-
K5V140DTP1J9R-9C12-1AL	-	-	4.0250 in	-	-	-	0.27 lb	-

Hydraulic fixed-displacement pumps: ReviewFeb 22, 2016 — A fixed-displacement pump is a positive displacement type where the amount of displacement (gpm) cannot be varied, only by changing the drive

Introduction to Hydraulic Pumps | LunchBox SessionsGear pumps are strictly fixed displacement, and piston pumps are commonly variable displacement. But as you can see, it just so happens that vane pumps can come Engineering Essentials: Fundamentals of Hydraulic PumpsJan 1, 2012 — Positive-displacement pumps can be of either fixed or variable displacement. The output of a fixed displacement pump remains constant during

Differences between a fixed displacement and a variable A fixed displacement hydraulic pump is designed to operate at a pre-set speed and pressure. It has no adjustment capability. A variable displacement hydraulic Choosing the right hydraulic pumpWhat is the difference between a fixed displacement pump and a variable displacement pump? · With a fixed displacement pump, it is impossible to vary the amount

Benefits of a Fixed-Displacement Hydraulic PumpUnlike fixed-displacement pumps, variable displacement pumps are able to increase or decrease the fluid flow rates electronically, manually, or hydraulically.What is the difference between fixed and variable pumps?May 9, 2019 — If a pump is 30 cc, it will theoretically push 30 ml of fluid in a single rotation, or about 1.8 in.3. With a fixed displacement pump,