

45 系列轴向变量柱塞泵

45 Series axial variable piston pump



45系列是一个完整的变量排量泵体系，轴向柱塞泵开路应用。45系列中的每个框架都经过独特设计，以优化性能，尺寸和成本，满足苛刻的移动设备市场的工作功能要求。

Series 45 is a complete family of variable displacement, axial piston pumps for open circuit applications. Each frame within the Series 45 family is uniquely designed to optimize performance, size, and cost, matching the work function requirements of the demanding mobile equipment marketplace.

45 series

A2FO

A4FO

A4VG

A4VSO

A7VO

A10VG

A10VSO

A11VO

AR

PV

PVT

PVQ

PVH

90 SERIES

V

45 SERIES

Size:25-45

Size:45-75

Size:74-90

Size:100-147

SERIES 45: K/L Frame

J Frame

F Frame

E Frame

Variable flow open circuit pump

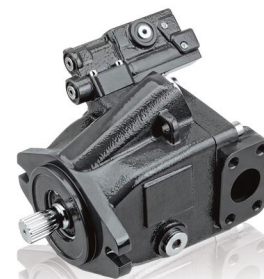
- 排量从25cm³- 147cm³[1.53 - 8.97 in³/rev] (4495 psi)，峰值压力可达400 bar (5800 psi)
- 速度可达3600转
- 连续压力可达310 bar

- Displacements from 25 cm³ - 147 cm³ [1.53 - 8.97 in³/rev]
- Speeds up to 3600 rpm
- Pressures up to 310 bar [4495 psi] continuous, and 400 bar [5800 psi] peak

45 series 轴向变量柱塞泵

AXIAL VARIABLE PISTON PUMP

K/L Frame



J Frame



F Frame



E Frame



GENERAL PERFORMANCE SPECIFICATIONS FOR THE SERIES 45 PUMP FAMILY

Pump	Displacement		Speed			Pressure				Theoretical flow (at rated speed)		Mounting
			Continuous	Max.	Min.	Continuous	Maximum					
Model	cm ³	in ³	min ⁻¹ (rpm)	min ⁻¹ (rpm)	min ⁻¹ (rpm)	bar	psi	bar	psi	US gal/min	l/min	Flange
FrameL												See page 21
L25C	25	1.53	3200	3600	500	260	3770	350	5075	21.0	80.0	SAE B - 2 bolt
L30D	30	1.83	3200	3600	500	210	3045	300	4350	25.4	96.0	SAE B - 2 bolt
FrameK												See page 21
K38C	38	2.32	2650	2800	500	260	3770	350	5075	26.6	100.7	SAE B - 2 bolt
K45D	45	2.75	2650	2800	500	210	3045	300	4350	31.5	119.3	SAE B - 2 bolt
FrameJ												See page 42
J45B	45	2.75	2800	3360	500	310	4495	400	5800	33.3	126.0	SAE B - 2 bolt SAE C - 4 bolt
J51B	51	3.11	2700	3240	500	310	4495	400	5800	36.4	137.7	SAE B - 2 bolt SAE C - 4 bolt
J60B	60	3.66	2600	3120	500	310	4495	400	5800	41.2	156.0	SAE B - 2 bolt SAE C - 4 bolt
J65C	65	3.97	2500	3000	500	260	3770	350	5075	42.9	162.6	SAE B - 2 bolt SAE C - 4 bolt
J75C	75	4.58	2400	2880	500	260	3770	350	5075	47.5	180.0	SAE B - 2 bolt SAE C - 4 bolt
FrameF												See page 68
F74B	74	4.52	2400	2800	500	310	4495	400	5800	46.9	177.6	SAE B - 2 bolt SAE C - 4 bolt
F90C	90	5.49	2200	2600	500	260	3770	350	5075	52.3	198	SAE B - 2 bolt SAE C - 4 bolt
FrameE												See page 81
E100B	100	6.10	2450	2880	500	310	4495	400	5800	64.7	245.0	SAE C - 4 bolt
E130B	130	7.93	2200	2600	500	310	4495	400	5800	75.5	286.0	SAE C - 4 bolt
E147C	147	8.79	2100	2475	500	260	3770	350	5075	81.5	308.7	SAE C - 4 bolt