

VNKPK Series Hydraulic Motor

INTRODUCTION

VNKPK series motor are small volume, economical type, which is designed with shaft distribution flow, which adapt the Gerotor gear set design and provide compact volume, high power and low weight.



CHARACTERISTIC FEATURES

- * **Advanced manufacturing devices** for the Gerotor gear set, which provide small volume, high efficiency and long life.
- * **Shaft seal** can bear high pressure of motor of which can be used in parallel or in series.
- * **Advanced construction design**, high power and low weight.

SPECIFICATION Main Specification

Technical data for VNKPK with 25 and 1 in and 1 in splined and 28.56 tapered shaft

Code	Displacement [cm/rev]	Max.Speed [rpm]		Max.Torque [Nm]		Max.output [kW]		Max.pressure [MPa]		Max. Oil Flow [L/min]	
		cont.	cont.	int.	cont.	int.	cont.	int.	cont.	int.	cont.
VNKPK 36	36	1081	51	68	5.2	8.6	10.5	14	40		
VNKPK 50	51.7	774	73	96	5.2	8.6	10.5	14	40		
VNKPK 80	77.7	515	106	143	5.2	8.6	10.5	14	40		
VNKPK 100	96.2	416	140	178	5.2	8.6	10.5	14	40		
VNKPK 125	120.2	339	162	218	5.2	8.6	10.5	14	40		
VNKPK 160	157.2	257	216	288	5.2	8.6	10.5	14	40		
VNKPK 200	194.5	211	264	351	5.2	8.6	10.5	14	40		
VNKPK 250	240.3	173	281	351	4.6	7	9	11.5	40		
VNKPK 315	314.5	128	312	433	3.4	5.8	7	10.5	40		
VNKPK 400	389.5	104	392	582	3.4	5.8	7	10.5	40		

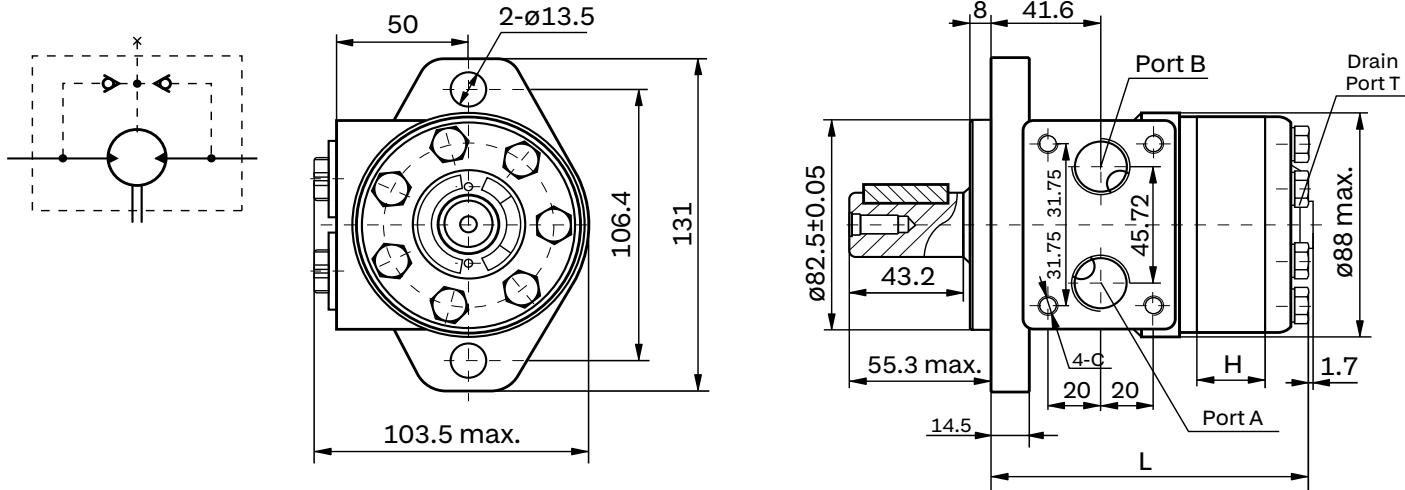
***Intermittent operation:** the permissible values may occur for max.10% of every minute



VNKPK Dimensions and Mounting Data



VNKPK DIMENSIONS AND MOUNTING DATA

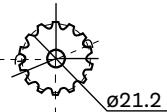
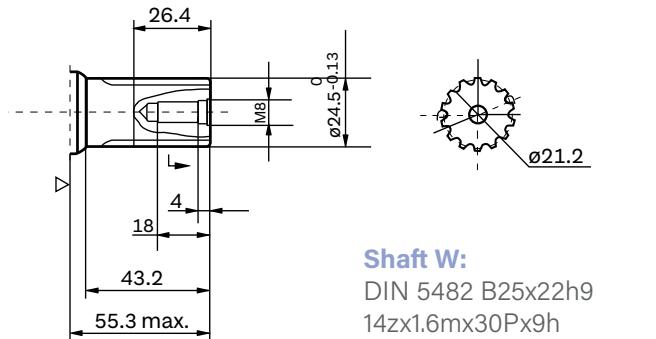
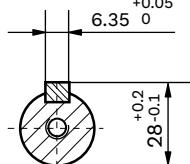
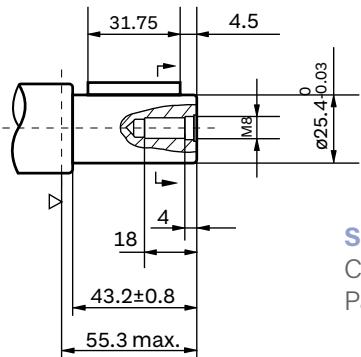
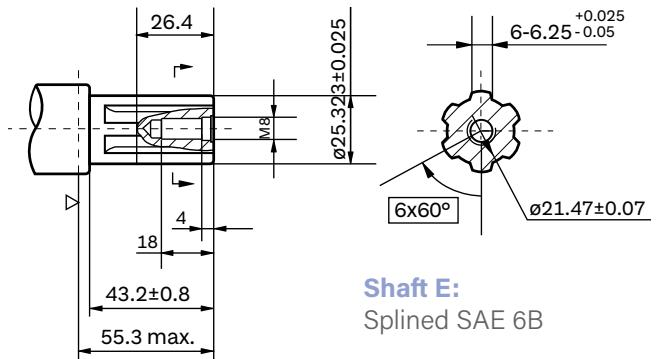
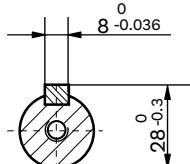
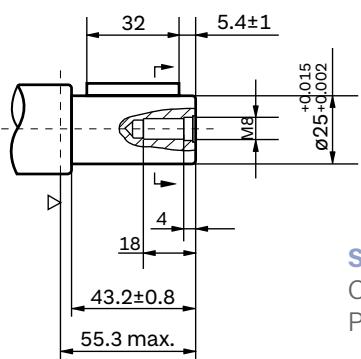


Type	H	L
VNKPK36	7	101
VNKPK50	7	101
VNKPK80	10.5	104.5
VNKPK100	13	107
VNKPK125	16	110
VNKPK160	21	115
VNKPK200	26	120
VNKPK250	32	126
VNKPK315	42	136
VNKPK400	52	146

Mounting Code	D (depth)	M (depth)	S (depth)	P (depth)	R (depth)
P(A,B)	G1/2 (15)	M22 x 1.5 (15)	7/8-14 O-ring (16.7)	1/2-14NPTF (15)	PT(RC)1/2 (15)
C	4-M8 (13)	4-M8 (13)	4-5/16-18UNC(13)	4-5/16-18UNC(13)	4-M8 (13)
T	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)

Direction of shaft rotation: Standard When facing shaft end of motor, shaft to rotate: Clockwise when port "A" is pressurized. Counter-clockwise when port "B" is pressurized.

VNKPK Shaft Extensions



► Motor Mounting Surface



Order Information



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VNKP
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Pos.1	2	3	4	5	6	7	8
Code	Disp.	Flange	Output shaft	Ports and drain port	Rotation direction	Paint	Unusually Function
			A Shaft Ø25 , parallel key 8x7x32	D G1/2 Manifold 4xM8, G1/4 M22x1.5 Manifold 4xM8,M14x1.5	Omit	00 No paint	Standard
			C Shaft Ø25.4, parallel key 6.35x6.35x31.75	M 7/8-14 O-ring manifold 4x5/16-18UNC,7/16-20UNF	Omit	F Free Running	
Omit	2013.5 100	2 Rhombo-flange, pilot Ø82.5x8	E Shaft Ø25.4, splined key SEA 6B	S 4x5/16-18UNC,7/16-20UNF	R Opposite	B Blue	No case drain
	125	160	W Shaft Ø24.5, splined B25X22	P 1/2-14NPTF manifold 4x5/16-18UNC,7/16-20UNF		S Black	Speed sensor
	200	250	T Cone shaft Ø28.56, parallel key B5x5x14	R PT(Rc)1/2 manifold 4xM8, PT(Rc)1/4		SD Silver grey	
	315	400					

