

# VNKRK Series Hydraulic Motor

## INTRODUCTION

**VNKRK series motor** adapt the advanced Gerolor gear set design with shaft distribution flow, which can automatically compensate in operating with high pressure, provide reliable and smooth operation, high efficiency and long life.

## CHARACTERISTIC FEATURES

- \* **Advanced manufacturing** devices for the Gerolor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
- \* **Shaft seal** can bear high pressure of back and the motor can be used in parallel or in series.
- \* **Special design** in the driver-linker and prolong operating life
- \* **Special design** for distribution system can meet the requirement of low noise of unit.
- \* **Compact volume and easy installation**



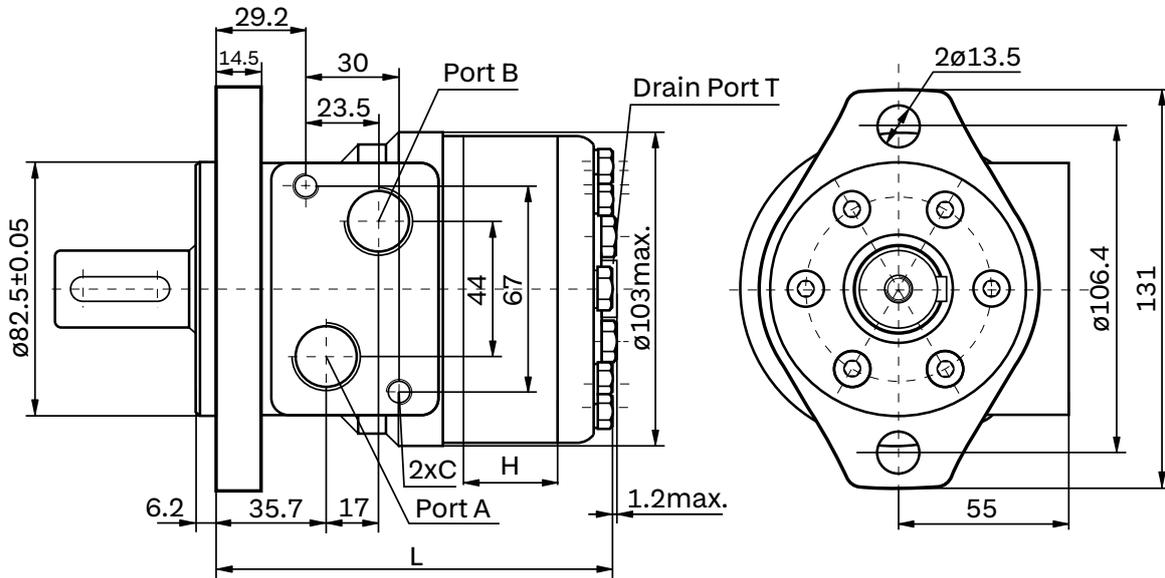
## SPECIFICATION Main Specification

Technical data for VNKRK 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.
VNKRK 36	36	1111	66	83	9	10.4	14	17.5	40
VNKRK 50	51.7	780	100	129	9	10.4	14	17.5	40
VNKRK 80	81.5	744	158	196	10.4	12.6	14	17.5	60
VNKRK 100	102	595	200	242	10.8	12.8	14	17.5	60
VNKRK 125	127.2	480	248	298	10.8	12.5	14	17.5	60
VNKRK 160	157.2	382	315	384	10.4	11.5	14	17.5	60
VNKRK 200	194.5	301	339	419	8.8	10.2	12.5	15.5	60
VNKRK 250	253.3	238	403	474	8.1	9.4	11	14	60
VNKRK 315	317.5	191	398	498	7.4	7.8	9	12.5	60
VNKRK 400	381.4	162	373	466	6.2	7.1	7.5	9	60

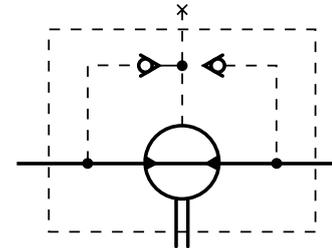
\*Intermittent operation: the permissible values may occur for max.10% of every minute.

# VNKRK Series Hydraulic Motor



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.

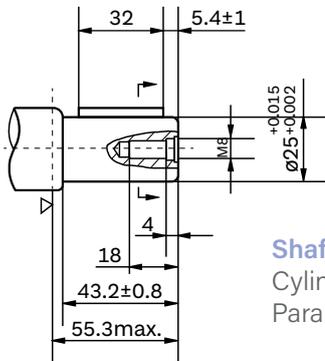


Type	H	L
VNKRK36	7	105
VNKRK50	10	108
VNKRK80	16	114
VNKRK100	20	118
VNKRK125	25	123
VNKRK160	30.5	128.5
VNKRK200	38.1	136
VNKRK250	50	148
VNKRK315	62	160
VNKRK400	74	172

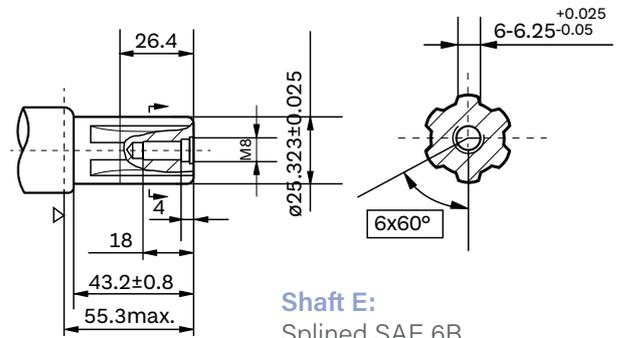
Code	D (Depth)	M (Depth)	S (Depth)	P (Depth)	R (Depth)
Mounting					
P(A,B)	G1/2 (15)	M22 x 1.5 (15)	7/8-14 O-ring (16.7)	1/2-14NPTF (15)	PT(RC)1/2 (15)
T	4-M8 (13)	4-M8 (13)	4-5/16-18UNC(13)	4-5/16-18UNC(13)	4-M8 (13)
M	G1/4 (12)	M14 x 1.5 (12)	7/16-20UNF (12)	7/16-20UNF (12)	PT(RC)1/4 (9.7)



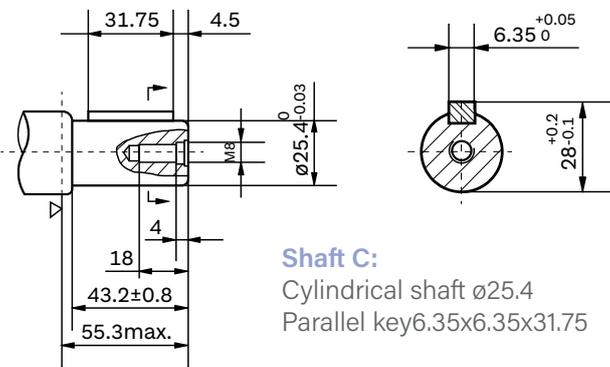
# VNKRK Shaft Extensions



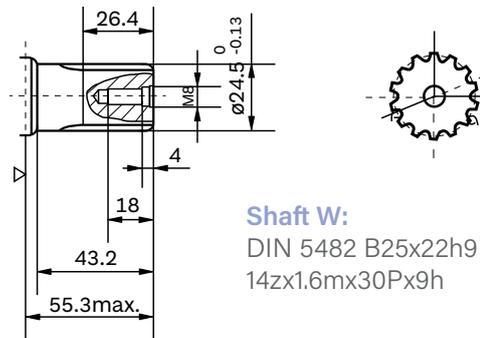
**Shaft A:**  
Cylindrical shaft  $\varnothing 25$   
Parallel key 8x7x32



**Shaft E:**  
Splined SAE 6B



**Shaft C:**  
Cylindrical shaft  $\varnothing 25.4$   
Parallel key 6.35x6.35x31.75



**Shaft W:**  
DIN 5482 B25x22h9  
14z x 1.6m x 30Px9h

▷ Motor Mounting Surface



# Order Information



Pos.1	2	3	4	5	6	7	8
Code	Disp.	Flange	Output shaft	Ports and drain port	Rotation Direction	Paint	Unusually Function
Omit	36	2-Ø13.5 Rhomb-flange, pilot Ø82.5x6.2	A	D	Omit	OO	Standard
	50		C	M			
	80		E	S			
	100		W	P			
	125		T	R			
	160						
	200						
250							
315							
375							

