

ORDERING CODE FRAME SIZE 6

P V **R 1 K 1 T 1 N**

axial piston
pump
variable
displace-
ment

rotation

mounting
interface

through
drive
code

seals

control

see next page

Code	Displacement	Size
360	360 cm ³ /rev	6

Code	Seals	Shaft seal
N	NBR	FKM
V	FKM	FKM

Code	Rotation ¹⁾
R	Clockwise
L	Counter clockwise

¹⁾ When looked on shaft

Code	Variation
1	Standard
4	Electronic displacement sensor (CIP) ²⁾
5	CIP-Sensor & Spec. adjustment ³⁾ (4 & 9)
9	Special adjustment ³⁾

²⁾ not for horse power control, mandatory with FDV/UD*

³⁾ requires Kxxxx number

Code	Mounting interface	Shaft
K	metr. ISO 3019/2	4-hole flange Ø250 mm Cylindric, key
L		4-hole flange Ø250 mm Splined, DIN 5480
R		4-hole flange Ø224 mm Cylindric, key
T		4-hole flange Ø224 mm Splined, DIN 5480
D	SAE ISO 3019/1	4-hole flange SAE E Cylindric, key
E		4-hole flange SAE E Splined, DIN 5480

Code	Port ⁴⁾	Threads ⁵⁾
1	BSPP	metric
3	UNF	UNC

⁴⁾ Drain and flushing ports

⁵⁾ All mounting and connecting threads

Code	Coupling for through drive	as single part ⁶⁾
1	Single pump, no coupling	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PV рG5K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PV рG5K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PV рG5K03
L	with coupling 50 x 2 x 24, DIN 5480	MK-PV рG5K04
M	with coupling 60 x 2 x 28, DIN 5480	MK-PV рG5K05
P	with coupling 70 x 3 x 22, DIN 5480	MK-PV рG5K06
Y	with coupling SAE A 9T-16/32 DP	MK-PV рG5K11
A	with coupling SAE 11T-16/32 DP	MK-PV рG5K12
B	with coupling SAE B 13T-16/32 DP	MK-PV рG5K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PV рG5K14
D	with coupling SAE C 14T-12/24 DP	MK-PV рG5K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PV рG5K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PV рG5K17
G	with coupling SAE F 15T-8/16 DP	MK-PV рG5K18

Code	Through drive option
	No adaptor for 2nd pump
T	Single pump prepared for through drive
	with adaptor for 2nd pump
	as single part ⁶⁾
A	SAE A-2, Ø 82.55 mm
B	SAE B-2/4, Ø 101.6 mm
C	SAE C-2/4, Ø 127 mm
D	SAE D-4, Ø 152.4 mm
E	SAE E-4, Ø 165.1 mm
J	metric, Ø 100 mm
K	metric, Ø 125 mm
L	metric, Ø 160 mm
M	metric, Ø 200 mm

See dimensions for details

⁶⁾ to be ordered separately as single part
see page 65.

Standard pump is not painted. Black painted pump and ATEX (excludes electronic components) certification (Zone 2) is available as special option. For additional informations please contact Parker Hannifin.

ORDERING CODE FRAME SIZE 6

Code			Control options
0	0	1	No control
1	0	0	With cover plate, no control function (fixed displacement pump)
M	M		Standard pressure control
M	R		Remote pressure control
M	F		Load Sensing (flow) control
M	T		Two spool LS control
Control variation			
	C		Standard version, integrated pilot valve ¹⁾
	1		NG6 interface top side for pilot valves ¹⁾
	2		Remote pressure port int. supply , NG6 interface ²⁾
	3		Remote pressure port ext. supply ²⁾
	W		With unloading function, 24VDC solenoid ¹⁾
	K		Prop.-pilot valve type PVACRE...K35 mounted
	Z		Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC*
	B		Without integrated pilot valve, without NG6 interface ³⁾
	P		MTZ with mounted pilot valve PVAC1P ²⁾
	F		Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 0 - 10V
	R		Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 4 - 20 mA

¹⁾ not for MT & *Z

²⁾ only for MT & *Z

³⁾ not for MT & MM

Horse power / Torque control		
Code		
		Nominal HP at 1.500 rpm
U		45 kW
W		55 kW
Y		75 kW
Z		90 kW
2		110 kW
3		132 kW
4		160 kW
5		180 kW
6		200 kW
Function		
L		Horse power control with pressure control ⁴⁾
C		Horse power control with load sensing (single spool)
Z		Horse power control with two spool LS control
Control variation		
	C	Standard version, integrated pilot valve ¹⁾
	1	NG 6 interface top side for pilot valve
	W	With unloading function, 24 VDC solenoid
	K	Prop.-pilot valve type PVACRE...K35 mounted
	Z	Without integrated pilot valve, NG6 interface, for mounting of accessory code PVAC* ⁴⁾
	B	Without integrated pilot valve, without NG6 interface ^{1), 4)}
	P	*ZZ with mounted pilot valve PVAC1P ²⁾
	F	Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 0 - 10V
	R	Prop.-pilot valve PVACRE*35T with OBE mounted, command signal 4 - 20 mA

Remark:

As torque is pretty much speed independent power at alternative speeds can get recalculated to 1500 rpm for code selection easily.

Example:

Your engine allows 90 kW @ 1800 rpm → $\frac{90 \text{ kW}}{1800 \text{ rpm}} \times 1500 \text{ rpm} = 75 \text{ kW}$

→ select a first digit "Y"-control.

⁴⁾ control variation Z and B without pressure pilot

⁵⁾ further info in MSG30-3254

Code			Control option
			Electro hydraulic control ⁵⁾
F	D	V	Proportional displacement control, no pressure compensation
U	D		Proportional displacement control, with pressure compensation
Control variation			
	R		pilot operated pressure control, open NG6 interface
	K		pilot operated pressure control, proportional pilot valve type PVACRE...K35 mounted
	M		pilot operated pressure control, pressure sensor and proportional pilot valve type PVACRE...K35 mounted for pressure control and/or power control