PV	140	R	1	K	1	T	1	N	MMZ
axial piston pump variable displacement	size and displacement	rotation	variation	mounting interface	threads code	thru drive code	coupling code	seals	control

see next page

Code	Displacement	Size
140	**140 cm³/rev**	**4**
180	180 cm³/rev	4

Code	Seals	Shaft seal
N	**NBR**	**FKM**
V	FKM	FKM
W	NBR	PTFE

Code	Rotation [1]
R	**Clockwise**
L	Counter clockwise

[1] When looked on shaft

Code	Variation
1	**Standard**
2	Electronic displacement sensor [2]
9	Special adjustment [3]

[2] not for horse power control
[3] requires Kxxxx number

Code	Coupling for thru drive	as single part [8]
1	**Single pump, no coupling**	
H	with coupling 25 x 1.5 x 15, DIN 5480	MK-PVBG4K01
J	with coupling 32 x 1.5 x 20, DIN 5480	MK-PVBG4K02
K	with coupling 40 x 1.5 x 25, DIN 5480	MK-PVBG4K03
L	with coupling 50 x 2 x 24, DIN 5480	MK-PVBG4K04
Y	with coupling SAE A 9T-16/32 DP	MK-PVBG4K11
A	with coupling SAE - 11T-16/32 DP	MK-PVBG4K12
B	with coupling SAE B 13T-16/32 DP	MK-PVBG4K13
C	with coupling SAE B-B 15T-16/32 DP	MK-PVBG4K14
D	with coupling SAE C 14T-12/24 DP	MK-PVBG4K15
E	with coupling SAE C-C 17T-12/24 DP	MK-PVBG4K16
F	with coupling SAE D, E 13T-8/16 DP	MK-PVBG4K17
G	with coupling SAE F 15T-8/16 DP	MK-PVBG4K18

Code	Mounting interface		Shaft
K	**metr. ISO 3019/2**	**4-hole flange Ø160 mm**	**Cylindric, key**
L		**4-hole flange Ø160 mm**	**Splined, DIN 5480**
D	SAE ISO 3019/1	4-hole flange SAE D	Cylindric, key, SAE F
E		4-hole flange SAE D	Splined, SAE F, SAE D
F		4-hole flange SAE D	Cylindric, key, SAE D
G		4-hole flange SAE D	Splined, SAE D

Code	Thru drive option	
	No adaptor for 2nd pump	
T	**Single pump prepared for thru drive**	
	with adaptor for 2nd pump	as single part [8]
A	SAE A, Ø 82.55 mm	MK-PVBG4Axx
B	SAE B, Ø 101.6 mm	MK-PVBG4Bxx
C	SAE C, Ø 127 mm	MK-PVBG4Cxx
D	SAE D, Ø 152.4 mm	MK-PVBG4Dxx
H	metric, Ø 80 mm	MK-PVBG4Hxx
J	metric, Ø 100 mm	MK-PVBG4Jxx
K	metric, Ø 125 mm	MK-PVBG4Kxx
L	metric, Ø 160 mm	MK-PVBG4Lxx

See dimensions for details
[8] to be ordered separately as single part see page 61.

Code	Port[4]	Threads[5]
1	**BSPP**	**metric**
3	UNF	UNC
4 [6]	BSPP	metr. M14
8 [7]	ISO 6149	metric

[4] Drain, gage and flushing ports
[5] All mounting and connecting threads
[6] Pressure port 1 1/4" with 4 x M14 instead of 4 x M12
[7] Mounting interface, code K and L only

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.

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
		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	MT1 with mounted pilot valve PVAC1P [2]

1) not for MT & *Z
2) only for MT
3) not for MT & MM

Horse power / Torque control				
Code				
			Nominal HP at 1.500 rpm	**Nominal torque**
K			18.5 kW	120 Nm
M			22 kW	142 Nm
S			30 kW	195 Nm
T			37 kW	240 Nm
U			45 kW	290 Nm
W			55 kW	355 Nm
Y			75 kW	485 Nm
Z			90 kW	585 Nm
2			110 kW	700 Nm
			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	
		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]	

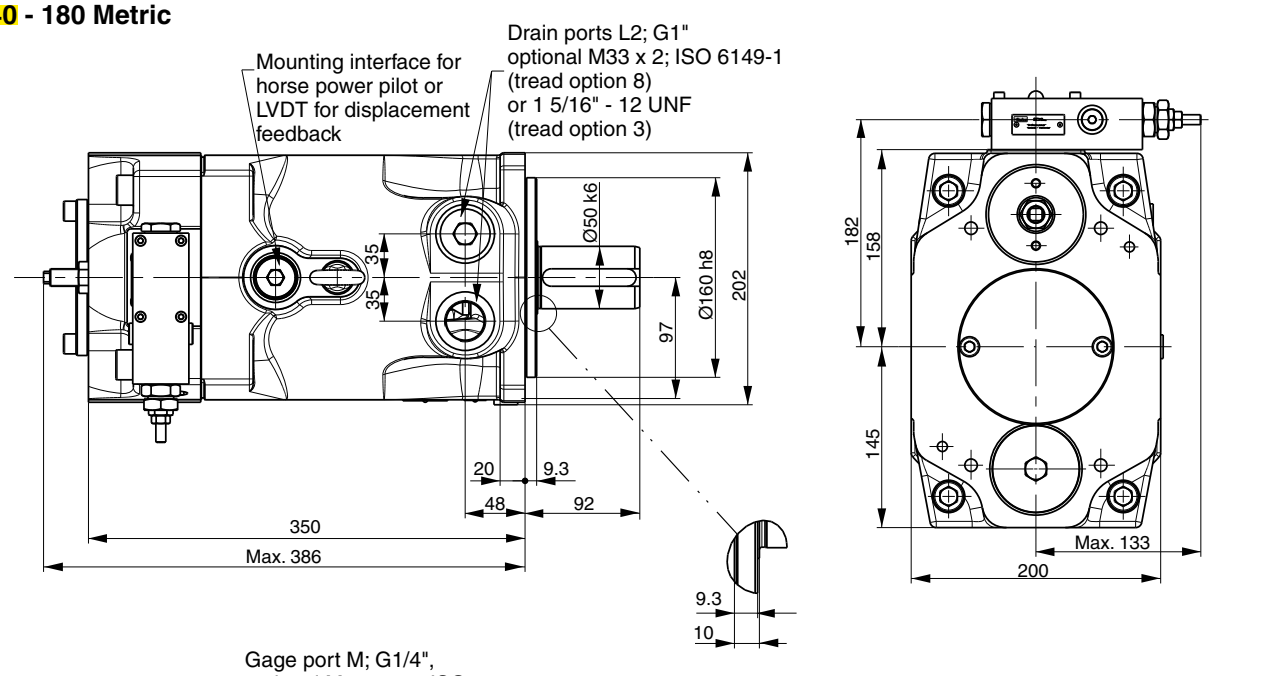
4) control variation Z and B without pressure pilot

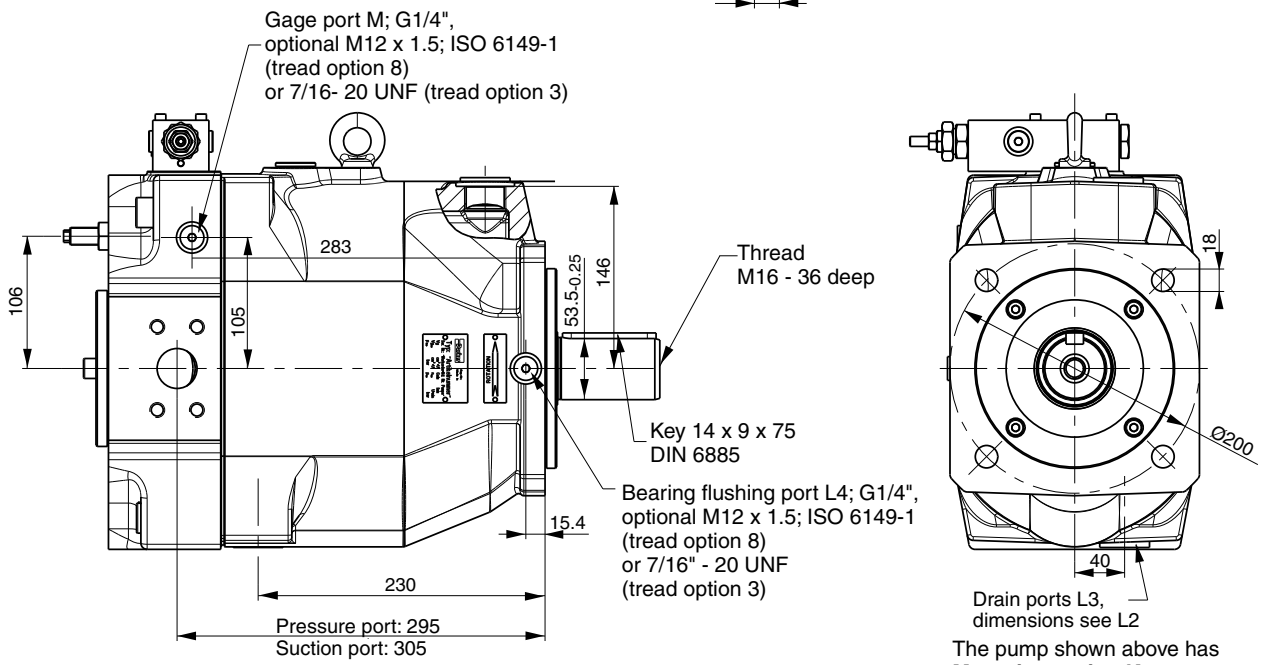
Code			Control option
Electro hydraulic control [5]			
F	D	V	Proportional displacement control, no pressure compensation
U	D		Proportional displacement control, with pressure compensation
Control variation			
		R	pilot operated pressure control, open NG6 interface
		K	pilot operated pressure control, 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

5) further info in HY30-3254

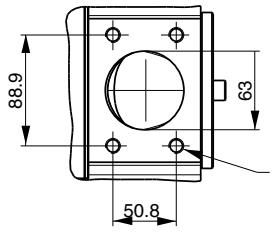
Parker Hannifin
Pump & Motor Division Europe
Chemnitz, Germany

PV 140 - 180 Metric



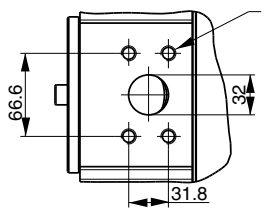


The pump shown above has **Mounting option K** and **thru drive variation T** (prepared for thru drive)



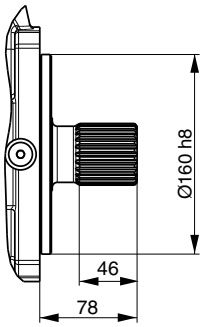
INLET for metric and SAE version:
flange according ISO 6162
DN 64; PN 160 bar

4 x M12, 20 deep
optional 1/2" - 13 UNC - 2B
(thread options 3)



4 x M12, 20 deep
optional 1/2" - 13 UNC - 2B
(thread options 3)
or thread options 4:
4 x M14, 22 deep

OUTLET for metric and SAE version:
flange according ISO 6162
DN 32; PN 400 bar



Mounting option L,
splined shaft
W50x2x24 x 9g DIN 5480

Shown is a clockwise rotating pump with standard pressure control.
Counter clockwise rotating pump have inlet, outlet and gage port reversed.

Parker Hannifin
Pump & Motor Division Europe
Chemnitz, Germany