## Type code for standard program



PA10VS O 45	5 DFLR / 31 R	- V P		Α		12	1	100	
2 3 4		8 9			Н	11		12	13
		0	18	28	45				, 0
Standard version (with	out symbol)			•	•	•	•	•	
HFA, HFB, HFC hydra	ulic fluid (except for Skydr	ol)	-	-	-	-	-	-	Е
High-speed version			-	-	-	-	-	-	Н
xial piston unit									
		si(280 bar),							PA10VS
peration mode									
Pump, open circuit									0
Sizo (NG)									
	nt see table of values on	pages 6 and 7	10	20	15	71	100	140	1
Geometric displaceme	iii, see lable of values off	pages o and r	10	20	45	/1	100	140	
Control device									
Two-point control, direct	ctly operated I I			•	•	-	-	•	DG
Pressure control				•	-	-		•	DR
with flow control, h	nydraulic								
	X-T open						•	•	DFR
	X-T closed								DFR1
with swivel-angle	control,eletric		-	-	-	-	-	-	FE1 1)
	pressure and swivel-angle	control, electric	-	-	-	-	-	-	DFE1 1)
with pressure cut-of	f remotely operated								
	i, remotery operated							_	
hydraulic	, remotely operated		•	•	•		•		DRG
·	negative characteristic	12V	-	-	-	-	•		DRG ED71
hydraulic		12V 24V							
hydraulic			-	-	-	-	-	-	ED71
hydraulic	negative characteristic	24V	-	-	-	-	-	-	ED71 ED72
	Version Standard version (with HFA, HFB, HFC hydral High-speed version with Swashplate design, variate maximum pressure 5100 Operation mode Pump, open circuit Size (NG) Geometric displaceme Control device Two-point control, direct Pressure control with flow control, h	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydraulich fluid (except for Skydraulich fluid (except for Skydraulich fluid (except for Skydraulich fluid fluid (except for Skydraulich fluid f	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version  vial piston unit  Swashplate design,variable,nominal pressure 4000 psi(280 bar), maximum pressure 5100 psi(350 bar)  Operation mode  Pump, open circuit  Size (NG)  Geometric displacement, see table of values on pages 6 and 7  Control device  Two-point control, directly operated I I  Pressure control  with flow control, hydraulic  X-T open  X-T closed  with swivel-angle control,eletric	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version  Axial piston unit  Swashplate design, variable, nominal pressure 4000 psi(280 bar), maximum pressure 5100 psi(350 bar)  Operation mode  Pump, open circuit  Size (NG)  Geometric displacement, see table of values on pages 6 and 7  Econtrol device  Two-point control, directly operated I I  Pressure control  with flow control, hydraulic  X-T open X-T closed  with swivel-angle control, eletric  -	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version  It is 128  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version  It is 128  High-speed version  It is 28  High-speed vers	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version   xial piston unit  Swashplate design,variable,nominal pressure 4000 psi(280 bar), maximum pressure 5100 psi(350 bar)  Deparation mode  Pump, open circuit  Size (NG)  Geometric displacement, see table of values on pages 6 and 7 18 28 45  Control device  Two-point control, directly operated I I  Pressure control  with flow control, hydraulic  X-T open  X-T closed  with swivel-angle control, eletric   with swivel-angle control, eletric   with swivel-angle control, eletric   with swivel-angle control, eletric	Standard version (without symbol)  HFA, HFB, HFC hydraulic fluid (except for Skydrol)  High-speed version  Naxial piston unit  Swashplate design, variable, nominal pressure 4000 psi(280 bar), maximum pressure 5100 psi(350 bar)  Operation mode  Pump, open circuit  Size (NG)  Geometric displacement, see table of values on pages 6 and 7 18 28 45 71  Control device  Two-point control, directly operated I I  Pressure control  with flow control, hydraulic  X-T open  X-T closed  with swivel-angle control, eletric   with swivel-angle control, eletric   with swivel-angle control, eletric	Standard version (without symbol)	Standard version (without symbol)

## Direction of rotation

7	Viewed on drive shaft	clockwise	$\bigcirc$	R
,	viewed on drive shart	counter clockwise L	$\mathcal{C}$	L

## Seals

8	FKM (VITON)	V	
0	NBR	Р	*

1)The following must be taken into account during project planning:

Excessive current levels (I >1200 mA with 12 V or I > 600 mA with 24 V) to the ER solenoid can result in undesired increase of pressure which can lead to pump or system damage:

- Use Imax current limiter solenoids.
- A sandwich plate pressure reducing valve can be used to protect the pump in the event of overflow.

An accessory kit with pressure reducing sandwich plate can be ordered from YEOSHE

- 1) Coupling for splined shaft according to ANSI B92.1a
- <sup>2)</sup>Other electrical connector might be differrent
- 3) Peference: SAE version from A-39

## Type code for standard program



- 4	PA10VS	0 4	5 DFLR	/ 31 R - V P		A	1	12	١	100	
		3 4	5	6 7 8 9		10		11		12	13
	Version				18	28	45	71	100	140	
	ANIOL DOG 4	standa			-	•	•	•	•	•	S
	_	however for higher input torque	-	•	•	•	-	-	R		
)	reduced diameter, not for through drive						Δ	Δ	-	-	U
	same as "U", higher torque; not for through drive									-	W
	Parallel keyed s			ic DIN 6885	-	•	•	-	•	•	Р
	Not for through	arive	SAE	ISO 3019-1	· Com		linad	laba	£+ £0	- C A	K E/Matria
				Not	e. Sam	ie sp	iined	sna	III IC	ir SA	E/Metric
	Mounting flange 18		01.1		18	28	45		100	140	
	ISO 3019-2 (Me	etric)	2-hole		-	•	•	•	•	-	Α
0			4-hole		<u> </u>	-	-	-	-	•	В
	ISO 3019-1 (SA	λE)	2-hole		•	•	•	•	•	-	C 3)
			4-hole			-	-	-	-	•	D 3)
	Service line port				18	28	45	71	100	140	
							•	-			12
	SAE flange port	ts on op	posite side	metric-fastening thread	-	-	-		-	-	42
1					١.	•		-			62 <sup>3)</sup>
	SAE flange por	SAE flange ports on opposite side, UNC fastening thread				-	-		-		92 <sup>3)</sup>
	There is the state of										92 %
	Through drive				18	28	45	71	100	140	NIOO
	without through			5 1 (1.1)							N00
	Flange ISO 3019-1 coupling for splined shaft 1)										
	Diameter		diameter	ſ							
	82-2 (A)										
	82-2 (A)		5/8 in	9T 16/32DP	-	•	•	•	•	•	K01
			3/4 in	9T 16/32DP 11T 16/32DP	•	•	•	•	•	-	K01 K52
	101-2 (B)		3/4 in 7/8 in	9T 16/32DP 11T 16/32DP 13T 16/32DP	_	•	•		•		
			3/4 in 7/8 in 1 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP	_	•	•		•		K52
			3/4 in 7/8 in 1 in	9T 16/32DP 11T 16/32DP 13T 16/32DP	-	• • •	•	•	•	•	K52 K68
	101-2 (B)		3/4 in 7/8 in 1 in 1 1/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP	-	- - -	•	•	•	•	K52 K68 K04
2	101-2 (B)		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP	-	-	• • • •	•	•	•	K52 K68 K04 K07
2	101-2 (B) 127-2 (C)		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP	-		• • • •	•	•	•	K52 K68 K04 K07 K24
2 .	101-2 (B) 127-2 (C)	hole	3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP	-		- - -	•	•	•	K52 K68 K04 K07 K24
2 .	101-2 (B) 127-2 (C) 152-4 (D)		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP	-		-	•	•	•	K52 K68 K04 K07 K24 K17
2 .	101-2 (B) 127-2 (C) 152-4 (D) Ø 63 · Metric 4		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP	-		-	•	•	•	K52 K68 K04 K07 K24 K17
2 .	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63, Metric 4  Flange ISO 301		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP	-		-	•	•	•	K52 K68 K04 K07 K24 K17
2 .	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63 · Metric 4  Flange ISO 301  Diameter		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP	-	- - -		• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		K52 K68 K04 K07 K24 K17
2	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63 · Metric 4  Flange ISO 301  Diameter  80 · 2-hole		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP 11T 16/32DP 13T 16/32DP	- - - -	- - -	- - -	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		K52 K68 K04 K07 K24 K17 K57
2	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63 · Metric 4  Flange ISO 301  Diameter  80 · 2-hole  100 · 2-hole		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP 11T 16/32DP 13T 16/32DP 15T 16/32DP	- - - -	- - -	- - -	- - -	• • • • • • • • • • • • • • • • • • •		K52 K68 K04 K07 K24 K17 K57
2	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63 · Metric 4  Flange ISO 301  Diameter  80 · 2-hole		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf  3/4 in 7/8 in 1 in 1 1/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP 14T 16/32DP 15T 16/32DP 15T 16/32DP 14T 12/24DP	- - - -	- - - -	- - -				K52 K68 K04 K07 K24 K17 K57
2	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63, Metric 4  Flange ISO 301  Diameter  80, 2-hole  100, 2-hole  125, 2-hole		3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf  3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in	9T 16/32DP  11T 16/32DP  13T 16/32DP  15T 16/32DP  14T 12/24DP  17T 12/24DP  13T 8/16DP  11T 16/32DP  13T 16/32DP  14T 12/24DP  15T 16/32DP  14T 12/24DP	- - - - -	- - - -	- - -				K52 K68 K04 K07 K24 K17 K57 KB2 KB3 KB4 KB5 KB6
	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63 · Metric 4  Flange ISO 301  Diameter  80 · 2-hole  100 · 2-hole  125 · 2-hole	19-2	3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  key shaf  3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in	9T 16/32DP 11T 16/32DP 13T 16/32DP 15T 16/32DP 14T 12/24DP 17T 12/24DP 13T 8/16DP 14T 16/32DP 15T 16/32DP 15T 16/32DP 14T 12/24DP	- - - - - - -	- - - -					K52 K68 K04 K07 K24 K17 K57
	101-2 (B)  127-2 (C)  152-4 (D)  Ø 63, Metric 4  Flange ISO 301  Diameter  80, 2-hole  100, 2-hole  125, 2-hole  180, 4-hole  Connectors for sol	19-2 lenoids <sup>2</sup>	3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in  8 key shaf  3/4 in 7/8 in 1 in 1 1/4 in 1 1/2 in 1 3/4 in	9T 16/32DP  11T 16/32DP  13T 16/32DP  15T 16/32DP  14T 12/24DP  17T 12/24DP  13T 8/16DP  11T 16/32DP  13T 16/32DP  14T 12/24DP  15T 16/32DP  14T 12/24DP	- - - - -	- - - -	- - - -				K52 K68 K04 K07 K24 K17 K57 KB2 KB3 KB4 KB5 KB6