

Type code for standard program

PA10V	O			/	5			-	V				
01	02	03	04		05	06	07		08	09	10	11	12

Axial piston unit

18 28 45 60¹⁾ 63 85 100

01	nominal pressure 3600 psi (250 bar), maximum pressure 4600 psi (315 bar)												
													PA10V

Operation mode

02	Pump, open circuit												O
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Size (NG)

03	Geometric displacement, see table of values								18	28	45	60 ¹⁾	63	85	100
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Control device

04	Pressure control															DR
	with flow control, hydraulic															
	X-T open								-				-			DFR
	X-T plugged															DRF
	Electrically overridable (negative characteristic)															DFR1
	with pressure cut-off, remotely operated															DRS
	hydraulic															EF.D. ⁴⁾
	electrical negative characteristic															
	U = 12 V															DRG
	U = 24 V															ED71
	positive characteristic															ED72
	U = 12 V															ER71 ⁵⁾
	U = 24 V															ER72 ⁵⁾
	Power control with pressure cut-off															
	Start of control 145 to 510 psi (10 to 35 bar)															LA5D
	520 to 1015 psi (36 to 70 bar)															LA6D
	1030 to 1520 psi (71 to 105 bar)															LA7D
	1535 to 2030 psi (106 to 140 bar)															LA8D
	2045 to 3335 psi (141 to 230 bar)															LA9D
	remotely operated															LA.DG
	Flow control, X-T plugged															LA.DS
	Flow control, electrically overridable (negative characteristic), X-T plugged															LA.S

¹⁾ Series 52 units are delivered as standard with 3.66 in³ (60 cm³). Higher values on request.

²⁾ Series 53 only with D flange

³⁾ Series 52 only with C flange

⁴⁾ 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 I_{max} current limiter solenoids.

- An intermediate plate pressure controller can be used to protect the pump in the event of overflow.

An accessory kit with intermediate plate pressure controller can be ordered from Yeoshe

● = available

○ = on request

- = not available

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Series	
05	Series 5, index 2
	Series 5, index 3

06	With view on drive shaft	clockwise	R
		counter clockwise	L

07	FKM (fluor-caoutchouc)		V
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[illegible]

- = available ○ = on request – = not available

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Mounting flange

	ISO 3019-1 (SAE)	2-bolt
		4-bolt

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○	○	○	○	●	○	○	C
○	-	-	○	●	○ ²⁾	○	D

Service line port

10	SAE flange port at rear, UNC fixing thread (not for through drive)
	SAE flange port on opposite side, UNF fixing thread (for through drive)
	UNF threaded ports, rear (not for through drive)

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○	○	○	○	●	○	○	61
○	○	○	○	●	○	○	62
-	-	-	-	-	-	-	64

Through drive

11	Without through drive, standard for versions 61 and 64	
	SAE J744 flange	coupling for splined shaft ³⁾
	Diameter	diameter
	82-2 (A)	5/8 in 9T 16/32DP
		3/4 in 11T 16/32DP
	101-2 (B)	7/8 in 13T 16/32DP
		1 in 15T 16/32DP
	127-4 (C)	1 1/4 in 14T 12/24DP
		1 1/2 in 17T 12/24DP
	127-2 (C)	1 1/4 in 14T 12/24DP
		1 1/2 in 17T 12/24DP

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○	○	○	○	●	○	○	N00
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○	○	○	○	●	○	○	K01
○	○	○	○	●	○	○	K52
-	○	○	○	●	○	○	K68
-	-	○	○	●	○	○	K04
-	-	-	○	●	○	○	K15
-	-	-	-	-	○	○	K16
-	-	-	-	-	○	○	K07
-	-	-	-	-	○	○	K24

Connector for solenoids

12	DEUTSCH molded connector, 2-pin – without suppressor diode
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18 28 45 60¹⁾ 63 85 100

○	○	○	○	●	○	○	P
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1) Series 52 units are delivered as standard with 3.66 in³ (60 cm³). Higher values on request.

2) Only available in series 53. For controller designation and series assignment, please refer to positions 04, 05, including footnotes.