

HA10V Series 5 Hydraulic Piston Pump

www.hidrocel.com.tr

Ordering Code of HA10V Series 5 Hydraulic Piston Pump

01	02	03	04	05	06	07	08	09	10	11	12	13
HA10V				/	Series 5	-	V					

Axial piston unit

01	18	28	45	63	72	85	100	
Swashplate design, variable, nominal pressure 260 bar, maximum pressure 320 bar	•	•	•	•	•	•	•	HA10V

Operation mode

02	Standard, Open circuit	
----	------------------------	--

Size (NG)

03	Geometric displacement, see table of values on page 10	18	28	45	63	72	85	100
----	--	----	----	----	----	----	----	-----

Control devices

04	Pressure controller	hydraulic		•	•	•	•	•	•	•	PR		
	with flow controller	hydraulic	X-T open	•	•	•	•	•	•	•	LS		
			X-T plugged with flushing function	•	•	•	•	•	•	•	LS1		
			X-T plugged without flushing function	•	•	•	•	•	•	•	LSC		
	with pressure cut-off	hydraulic	remotely operated	•	•	•	•	•	•	•	PRR		
		electric	negative control	U = 12 V	–	•	–	•	•	•	•	EN12	
				U = 24 V	–	•	–	•	•	•	•	EN24	
		electric	positive control	U = 12 V	–	•	–	•	•	•	•	EP12	
				U = 24 V	–	•	–	•	•	•	•	EP24	
		Pressure-flow power control		electric control (negative control)		○	○	○	○	○	•	•	EPFP
		Power control with pressure cut-off	hydraulic	start of control from	10 to 35 bar	•	•	•	•	•	•	•	L5D
	36 to 70 bar				•	•	•	•	•	•	•	L6D	
	71 to 105 bar				•	•	•	•	•	•	•	L7D	
	106 to 140 bar				•	•	•	•	•	•	•	L8D	
	141 to 230 bar				•	•	•	•	•	•	•	L9D	
	remotely operated	hydraulic	start of control	see L.D	•	•	•	•	•	•	•	L.DG	
	flow control, X-T plugged	hydraulic	start of control	see L.D	•	•	•	•	•	•	•	L.DS	
		electrically overridable (negative control)	start of control	see L.D	•	•	•	•	•	•	•	LN.S	
	Electro-proportional control		positive control										
	with pressure control			U = 12 V	•	•	•	•	•	•	•	E1D	
				U = 24 V	•	•	•	•	•	•	•	E2D	
	with pressure and flow control (load-sensing)		X-T open	U = 12 V	•	•	•	•	•	•	•	E1DF	
				U = 24 V	•	•	•	•	•	•	•	E2DF	
	with pressure and flow control (load-sensing)		X-T plugged	U = 12 V	•	•	•	•	•	•	•	E1DS	
				U = 24 V	•	•	•	•	•	•	•	E2DS	
with electro-hydraulic pressure control			U = 12 V	•	•	•	•	•	•	•	E1ED		
			U = 24 V	•	•	•	•	•	•	•	E2ED		

HA10V Series 5 Hydraulic Piston Pump

www.hidrocel.com.tr

Ordering Code of HA10V Series 5 Hydraulic Piston Pump

Control devices			18	28	45	63	72	85	100		
04	Electro-proportional control	positive control									
	with pressure control			U = 12 V	•	•	•	•	•	•	E1D
				U = 24 V	•	•	•	•	•	•	E2D
	with pressure and flow control (load-sensing)	X-T open	U = 12 V	•	•	•	•	•	•	•	E1DF
			U = 24 V	•	•	•	•	•	•	•	E2DF
	with pressure and flow control (load-sensing)	X-T plugged	U = 12 V	•	•	•	•	•	•	•	E1DS
			U = 24 V	•	•	•	•	•	•	•	E2DS
	electro-hydraulic pressure control with controller cut-off			U = 12 V	•	•	•	•	•	•	E1ED
		U = 24 V	•	•	•	•	•	•	E2ED		
Series											
05	Series 5			•	•	•	•	•	•	•	5
Direction of rotation											
06	View on drive shaft		clockwise								R
			counter-clockwise								L
Sealing material											
07	FKM (fluor-caoutchouc)									V	
Drive shaft											
08	Splined shaft ANSI B92.1a	standard shaft	•	•	•	•	•	•	•	S	
Mounting flange											
09	ISO 3019-1 (SAE)		2-hole	•	•	•	•	•	•	•	C
			4-hole	–	–	–	•	•	•	•	D
Working port											
10	SAE flange port fastening thread, metric	rear	not for tandem	•	•	•	•	•	•	•	11
		at side, opposite	for tandem	•	•	•	•	•	•	•	12
		at side, offset 90°	not for tandem; available only for counter-clockwise direction of rotation	–	–	•	–	–	–	–	13

HA10V Series 5 Hydraulic Piston Pump

www.hidrocel.com.tr

Ordering Code of HA10V Series 5 Hydraulic Piston Pump

01	02	03	04	05	06	07	08	09	10	11	12	13
HA10V				/	Series 5	-	V					

Tandem

11	Flange ISO 3019-1 Diameter	Hub for splined shaft Diameter	18	28	45	63	72	85	100	
	without tandem		•	•	•	•	•	•	•	N00
	82-2 (A)	5/8 in	•	•	•	•	•	•	•	K01
		3/4 in	•	•	•	•	•	•	•	K52
	101-2 (B)	7/8 in	-	•	•	•	•	•	•	K68
		1 in	-	-	•	•	•	•	•	K04
	127-4 (C)	1 1/4 in	-	-	-	•	•	•	•	K15
		1 1/2 in	-	-	-	-	-	•	•	K16
	127-2 (C)	1 1/4 in	-	-	-	-	-	•	•	K07
		1 1/2 in	-	-	-	-	-	•	•	K24

Connectors for solenoids

12	Without connector (without solenoid, with hydraulic control only, without code)	•	•	•	•	•	•	•	
	DEUTSCH - molded connector, 2-pin - without suppressor diode (for electric controls)	•	•	•	•	•	•	•	P

● = Available ○ = On request - = Not available