

Part number:

103-10014**HYDROMA**

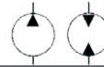
HYDRAULICKÉ SYSTÉMY

**HIDROMA
SYSTEMS**

UKŁADY HYDRAULICZNE

HYDROMA

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Section 2**300 КД/2005****2.1 Fixed displacement hydraulic pumps and motors
410 series****Sheet 8****Sheets 10**

Structural designation diagram of hydraulic machines 410 series

410 □ □ □ □ □ □ □ □ □ □

Series		Climatic version and disposition category		56	107
410 = fixed displacement hydraulic motor bent-axis					
		NBR		●	●
		FKM		○	○
		Special functions		56	107
		NN = absent		○	●
56	107	Hydraulic machine version			
●	●	0 = basic hydraulic machine			
○	○	1 = built-in hydraulic machine			
56	107	Working displacement			
●		056 = 56 cm ³ /rev.			
	●	107 = 107 cm ³ /rev.			
56	107	Rotation direction			
●	●	W = reversible (motor)			
●	●	L = counterclockwise (pump)			
●	●	R = clockwise (pump)			
56	107	Mounting flange			
●	●	M1 = ISO 4 holes			
○	○	M2 = 2 holes (only for version 1)			
56	107	Shaft version			
		A1			
●	-	A2 = splined W35x2x30x16x9g DIN5480			
-	○	A3			
-	●	A4 = splined W45x2x30x21x9g DIN5480			
		A5			
		A6			
●	-	Z1 = keyed \varnothing 30k6 A8x7x50 DIN 6885			
-	●	Z2 = keyed \varnothing 40k6 A12x8x63 DIN 6885			
		Working channels mounting		56	107
		F1 0 = 2 flanges at buttend		●	●
		F1 1 = 2 flanges at buttend		○	○
		F1 2 = 2 flanges at buttend		○	○
		F2 0 = 2 flanges on each side		○	○
		F3 0 = 2 flanges sideways		○	○
		F3 1 = 2 flanges sideways		○	○
		F3 2 = 2 flanges sideways		○	○
		F4 0 = 1 flange connection 1 threaded connection opposite sideways		○	○
		F4 1 = 1 flange connection 1 threaded connection opposite sideways		○	○
		F4 2 = 1 flange connection 1 threaded connection sideways opposite		○	○
		F5 0 = threaded connection sideways opposite		○	○
		F5 1 = threaded connection sideways opposite		○	○
		F5 2 = threaded connection sideways opposite		○	○
		F6 0 sideways opposite		●	●
		Valve			
		0 = absent			
		1 = rinsing valve			
		2 = safety booster valves			
		3 = safety booster valve and by-pass valve			
		4 = rinsing block			

○ – in development
● – delivered

Max input working pressure:

- continuous 400 bar
- peak 450 bar**Pumps technical parameters**

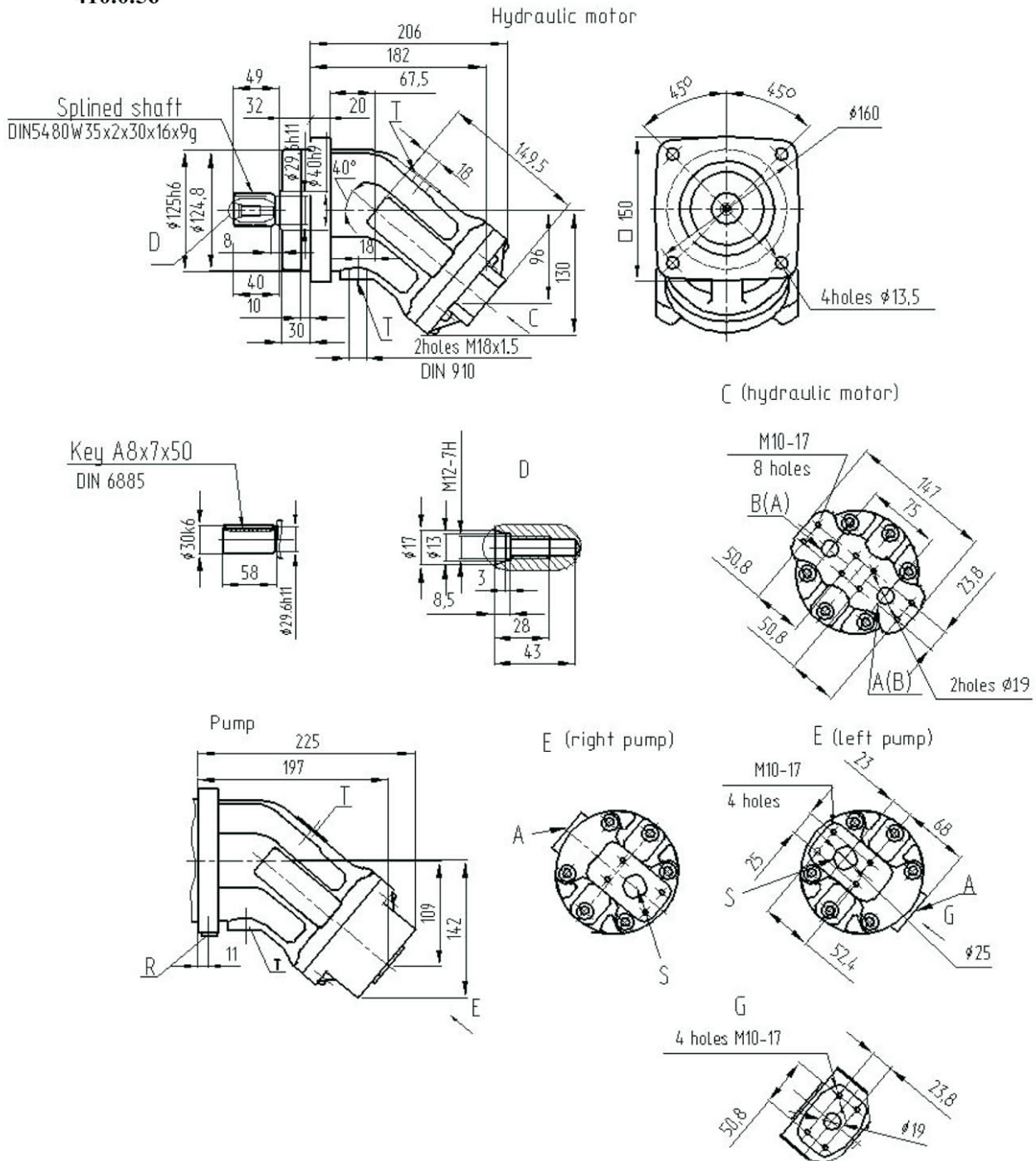
Size		56	107
Working displacement	$V_{g_{max}}$ cm ³	56,1	106,7
Max rotation speed at $p_{ax} = 0,2MPa$	n_{max} min ⁻¹	3750	3000
Feed at n_{max}	$Q_{V_{max}}$ l/min	210	320
Power at $\Delta p = 450$ bar at $\Delta p = 400$ bar	N_{max} kW	141 125	214 190
Torque at $\Delta p = 450$ bar at $\Delta p = 400$ bar	M_{max} Nm	358 319	682 606
Weight	m_{max} kg	18	32

Hydraulic motors technical parameters:

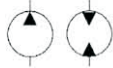
Size		56	107
Working displacement	$V_{g_{max}}$ cm ³	56,1	106,7
Max rotation speed	n_{max} min ⁻¹	3750	3000
Consumed flow	$Q_{V_{max}}$ l/min	280	320
Torque at $\Delta p = 450$ bar at $\Delta p = 400$ bar	M_{max} Nm	358 318	684 608
Weight	m_{max} kg	18	32

Section 2	300 КД/2005		
2.2 Fixed displacement hydraulic pumps and motors		Sheet 9	Sheets 10
410 series			

410.0.56



- A,B – connecting points of operating lines;
- S – connecting point of a suction line
- T – drain
- R – air evacuation

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2.2 Fixed displacement hydraulic pumps and motors 410 series		Sheet 10	Sheets 10

410.0.107

