

HYDROSTATIC TRANSMISSION FOR HARVESTING MACHINES **SERIES H2**



DESIGN FEATURES:

- Increased power
- Higher rotating torque
- Rated pressure up to 480 bar
- Smaller size
- Reduced weight

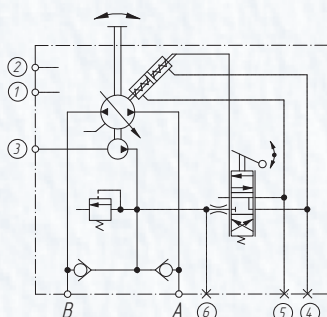


Using a hydrostatic transmission you get:

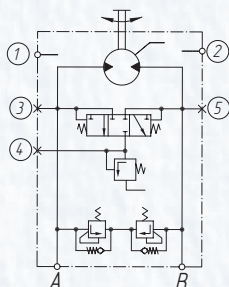
- high rotating torque at relatively small size;
- ramp up to full power immediately after start-up;
- stepless speed and torque control;
- overload protection;
- wide range of speed control.



PUMP CIRCUIT



MOTOR CIRCUIT



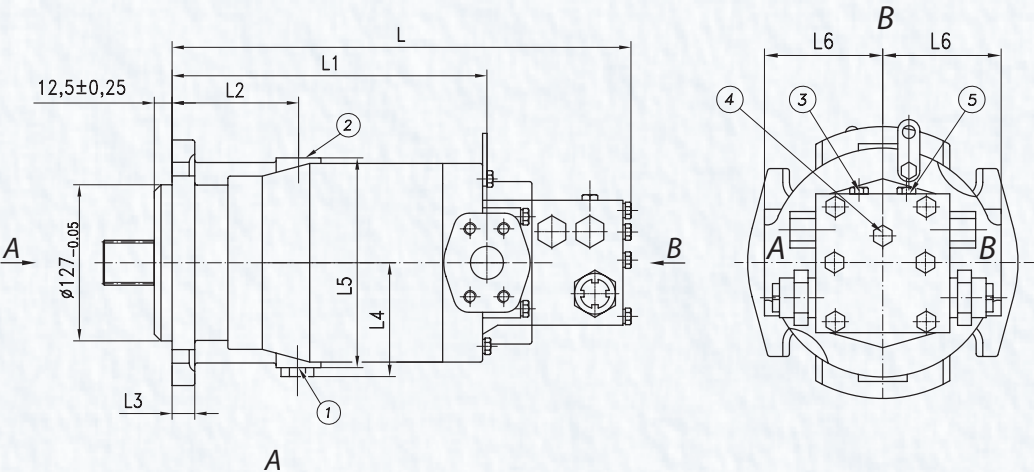
TECHNICAL INFORMATION. PUMPS SERIES H2

Displacement code		75	90	112
Displacement, max.	ccm	75	89	112
Maximum flow	l/min	296,3	314,5	391,6
Maximum pressure in high pressure line	bar	480		
Maximum case pressure	bar	2,4		
Maximum speed	rpm	2900		
Minimum speed	rpm	500		
Maximum swashplate angle	Degr	±18		
Weight (without fluid)	kg	69	85	85
Rated power	kW	135,3	160,5	199,8

TECHNICAL INFORMATION. MOTORS SERIES H2

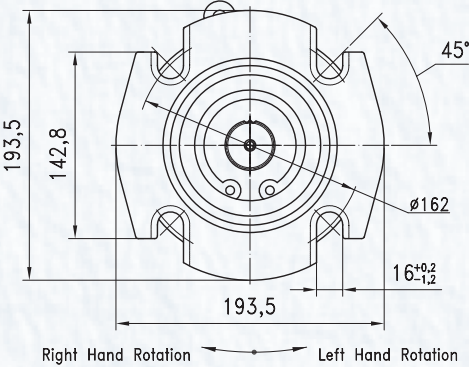
Displacement code		75	90	112
Displacement	ccm	75	89	112
Maximum pressure in high pressure line	bar	480		
Maximum case pressure	bar	2,4		
Maximum rotating torque	Nm	417,6	495,7	617,1
Maximum speed	rpm	4160	3720	
Minimum speed	rpm	50		
Rated power	kW	103,1	125,6	156,4
Weight (without fluid)	kg	40	48	50

FIXED DISPLACEMENT AXIAL-PISTON MOTOR MFH2.75, MFH2.80, MFH2.112



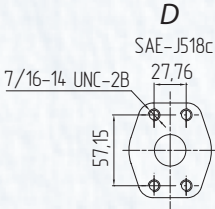
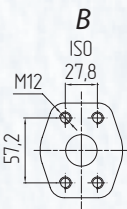
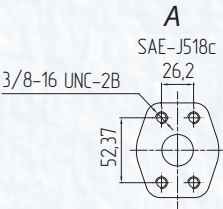
A
MFH2. 75; MFH2. 90; MFH2.112

Overall dimensions



Frame Size	Dimensions [mm]						
	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆
MFH2.75	378	255,6	97	16	98	174	85,8
MFH2.90	391	270	117,5	17,5	107	192	92,25
MFH2.112							

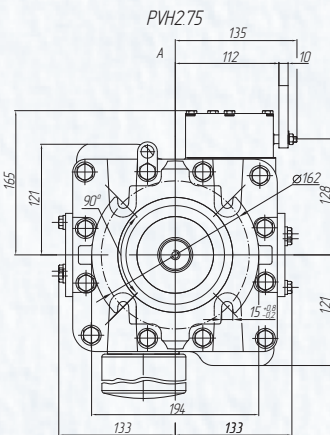
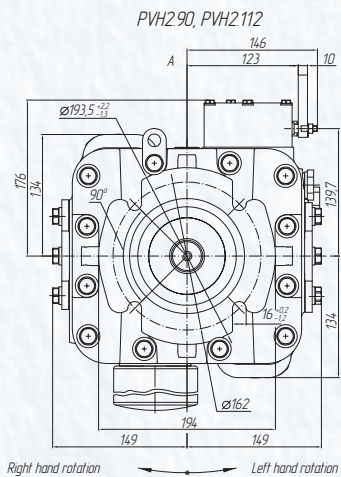
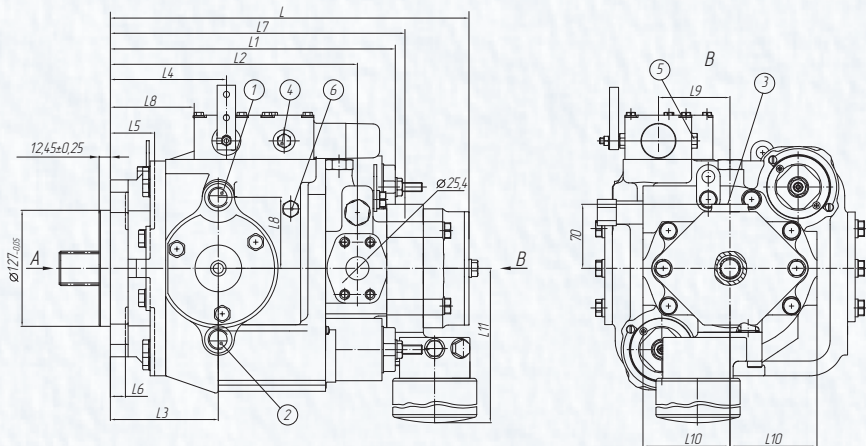
Port options «A» & «B»



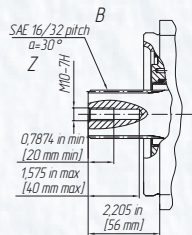
Drain ports size

Frame Size	Dimensions [mm]	
	«1», «2», «3»	«1», «2», «3»
MFH2.75	7/8-14 UNF-2B	7/16-20 UNF-2B
MFH2.90		
MFH2.112		

VARIABLE DISPLACEMENT AXIAL-PISTON PUMP PVH2.75, PVH2.80, PVH2.112

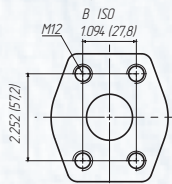


Shaft options. Pump & motor

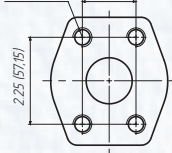


Note. Available: Z=21, 23

Port options «A» & «B».
Pump & motor



D SAE-J518c
7/16-14 UNC-2B 1.093 (27,76)



Frame size	Dimensions [mm]											
	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈	L ₉	L ₁₀	L ₁₁
PVH2.75	383	311	259	111	119	48	16	313	714	68	90	362
PVH2.90	392	320	270	118	127	49	17,5	332	77,8		95,25	362
PVH2.112												

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