

Compact Design

Low Noise Level

High Power Density

High Rotation Speed

Multiple Pump Assemblies

**TPV 1000
Single Pump**



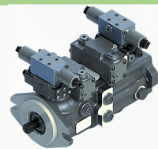
**TPV 1300 BTB
Tandem Pump**



**TPV 1500
Single Pump**



**TPVTC 1500
Tandem Pump**



**TPV 2500
Single Pump**



**TPVTC 2500
Tandem Pump**



**TPV 4300
Single Pump**



**TPVTC 4300
Tandem Pump**



**TPV 5000
Single Pump**



**TPVTC 5000
Tandem Pump**



**TPV 9000
Single Pump**



**TMF 600
Motor**



**TMF 900
Motor**



**TMV 550
Motor**



North American Hydraulics,
(NAHI, LLC), partnering with
Hansa-Tmp offering Variable
Displacement Closed Loop Axial
Piston Pumps.



Axial Piston Pumps Solution Providers

Variable Displacement Closed Loop Axial Piston Pumps

Model	Displacement cm ³ /n	Rated Pressure psi	Peak Pressure psi	Max Speed rpm	Charge Pump ccm	Shaft Output	Mounting Output	Through Drive Flanges (Input)	Through Drive Shafts (Input)	Wgt S or T lbs
TPV 1000 Single TPV1200 BTB Tandem	6, 8, 9, 11, 12, 13	3,045	4,350	3,600	3.9	9T – 16/32DP (SAE A) 11T – 16/32 (SAE AH)	SAE "A" 2B SAE "B" 2B	SAE "A" 2B	9T – 16/32DP (SAE A)	19-S 42-T
	15, 17		4,060		4.7					
	18		3,915		5.4					
	19, 21	2,900	3,625	3,200						
TPV 1500 Single TPVTC 1500 Tandem	17,18, 19, 21	5,075	5,800	3,600	5.8	13T – 16/32DP (SAE B)	SAE "B" 2B	SAE "A" 2B	9T – 16/32DP (SAE A)	31-S 51-T
TPV 2500 Single TPVT 2500 Tandem	22, 25, 28,31, 38	5,800	6,525	3,600		13T – 16/32DP (SAE B)	SAE "B" 2B	SAE "A" 2B	9T – 16/32DP (SAE A)	55-S 99-T
TPV 4300 Single TPVT 4300 Tandem	32, 38, 45, 50	3,625	5,057	3,600	14.0	15T – 16/32DP (SAE BB)	SAE "B" 2B	SAE "A" 2B SAE "B" 2B	9T – 16/32DP (SAE A) 13T – 16/32DP (SAE B)	51-S 110-T
TPV 5000 Single TPVT 5000 Tandem	46, 50, 64	4,350	5,800	3,600	13.0	13T – 16/32DP (SAE B) 15T – 16/32DP (SAE BB)	SAE "B" 2B	SAE "A" 2B SAE "B" 2B	9T – 16/32DP (SAE A) 13T – 16/32DP (SAE B) 15T – 16/32DP (SAE BB)	64-S 133-T
TPV 9000 Single	55	5,800	6,525	4,000	20.0 28.0	14T – 12/24DP (SAE C) 21T – 16/32DP (SAE CC) 23T – 16/32DP (SAE CC)	SAE "C" 4B	SAE "A" 2B SAE "B" 2B	9T – 16/32DP (SAE A) 13T – 16/32DP (SAE B)	150-S
	72			4,100						
	90			4,000						
	110			3,800						

Proven Solutions for:

- Construction Applications
- Utility Machines
- Material Handling Applications
- Agricultural Applications
- Forestry Applications



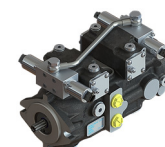
Please contact NAHI for additional
information.

The above information should be used as a
guide and is subject to change without notice.

Please contact NAHI for proper selection.



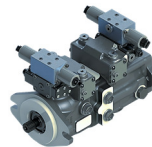
TPV 1000 Single



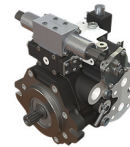
TPV 1300 BTB Tandem



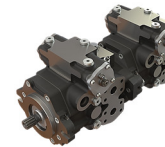
TPV 1500 Single



TPVTC 1500 Tandem



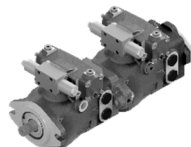
TPV 2500 Single



TPVTC 2500 Tandem



TPV 4300 Single



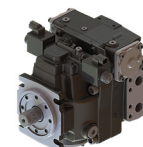
TPVT 4300 Tandem



TPV 5000 Single



TPVT 5000 Tandem



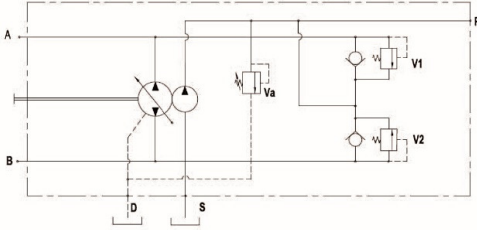
TPV 9000 Single



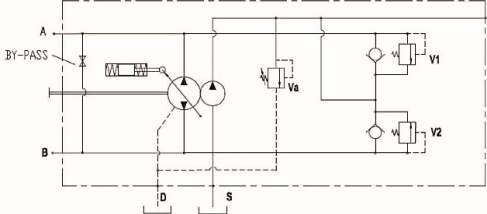
Axial Piston Pumps Solution Providers



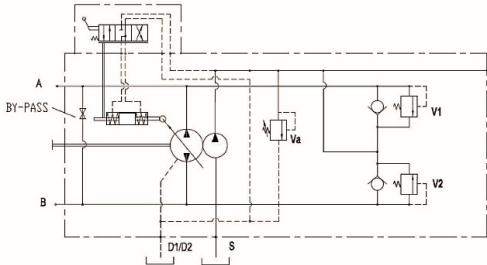
Manual Without Zeroing Control



Manual With Zeroing Control

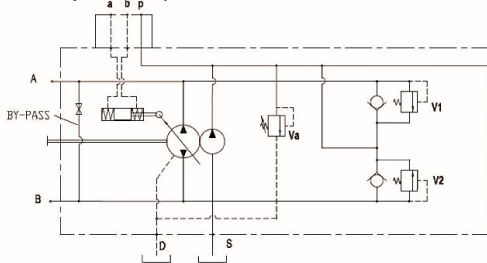


Manual Lever With Feed-Back Control

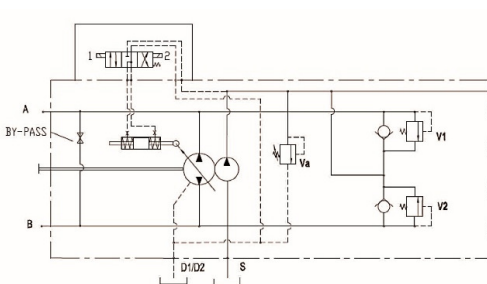


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Hydraulic Proportional Without Feed-Back Control



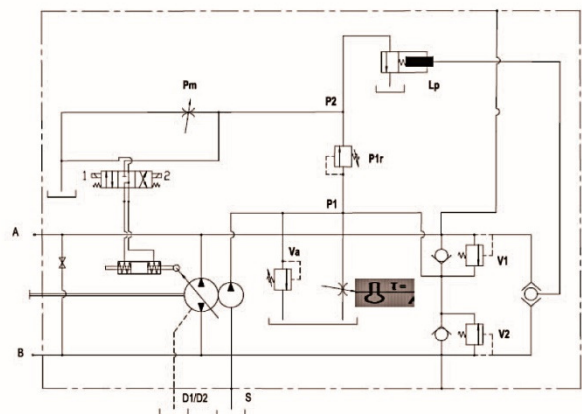
Electric Two Position On-Off



Controls – Options

	1000	1300	1500	2500	4300	5000	9000
CONTROLS							
Direct mechanical (own lever)	■	■					
Direct manual lever	■	■					
Direct manual level with return to zero	■	■					
Manual lever w/feedback			■	■	■	■	■
Hydraulic servo-control (proportional)	■	■	■	■	■	■	■
Hydraulic servo-control w/feedback	■	■	■	■	■	■	■
Electro servo 12V or 24V (proportional)	■	■	■	■	■	■	■
Electro servo 12V or 24V w/feedback			■	■	■	■	■
Electric two position 12V or 24V						■	■
Automotive 12V or 24V			■	■	■	■	■
OPTIONS							
Lever bypass A&B	■			■			
Purge valve (hot oil shuttle)	■	■	■			■	
Screw by pass A&B	■	■	■		■	■	
Lever by pass and purge (hot oil shuttle)	■						
Flange SAE A2B to SAE B2B	■	■					
Shaft Coupling 9T to 13T	■	■					
Viton Seals		■					■
Man on board 12V or 24V		■	■	■	■	■	■
Ported for external mounted filter			■	■	■	■	
On pump charge filter			■	■	■	■	
Swashplate angle sensor			■	■			
Pressure sensor			■	■			
RPM sensor			■	■			
Displacement adjustments	■	■	■	■	■	■	
Power limiter							
Pressure cut off valve			■	■	■		■
Hydraulic inching						■	
Mechanical inching						■	
Automotive hydraulic			■		■	■	

Automotive Control



North American Hydraulics, (NAHI, LLC), partnering with Hansa-Tmp offering Fixed Displacement and Variable Displacement Axial Piston Motors.

Features and Options:

- Compact Design
- Excellent Weight/Power Ratio
- High Pressure
- High Rotation Speed
- High Starting Torque
- Excellent Volumetric and Mechanical Efficiency
- Long Service Life

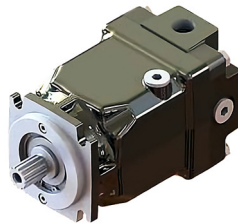
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Axial Piston Motors Solution Providers



TMF 600 - Fixed Displacement Motor

Displacement cm ³ /n	Rated Pressure psi	Peak Pressure psi	Maximum Speed rpm	Weight lb	Shaft Output	Mounting Output
22, 28	5,075	6,090	4,200	25	0.875"-13T 1.0"-15T 1.0"-Keyed	SAE A2B SAE B2B
35, 40, 46			4,000	39	0.875"-13T 1.0"-15T 1.0"-Keyed	SAE B2B
50		5,945	3,600			
63, 71, 75, 92		6,090	3,500			
100		5,945	3,240	72	1.25"-14T 1.50"-17T 1.50"-Keyed	SAE C4B

TMF 900 - Fixed Displacement Motor

Displacement cm³/n	Rated Pressure psi	Peak Pressure psi	Maximum Speed rpm	Weight lb	Shaft Output	Mounting Output
72	5,800	6,525	4,100	62	1.375"-21T	SAE C4B
90			4,000	75		
110			3,800			

TMV 550 - Variable Displacement Motor

Displacement cm³/n	Rated Pressure psi	Peak Pressure psi	Maximum Speed rpm	Weight lb	Shaft Output	Mounting Output
46 / 23	4,350	5,800	3,600	44	0.875"-13T 1.0"-15T	SAE B2B
50 / 25						
64 / 32						
Note: Controls	Hydraulic servo-control; Electric 12V or 24V					

Other Products Offered by Hansa - Tmp Variable Displacement Closed Loop Axial Piston Pumps

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High Power Density

High Rotation Speed

Multiple Pump Assemblies

