



**TIDAL FLUID POWER**

AVAILABILITY, SERVICE, QUALITY, PRICE

# PISTON PUMP

## TPV Series 11

### Variable Displacement Pump



Good Suction Characteristics  
SAE Mounting flange and shaft  
Flange Connections to SAE  
2 case Drain Ports  
Low noise level and long service life  
High Power-Weight Ratio  
Axial and Radial loading of drive shaft possible  
Permissible continuous pressure to 350 Bar  
Flow is proportional to drive speed and displacement  
Variable displacement axial piston pump of swashplate design  
Wide range of controls  
Short response times  
Through drive option for multi circuit system

Type		095	130	145	190	260
Displacement	Cm <sup>3</sup> /rev	93.5	130	145	193	260
Maximum Speed	Rpm	2350	2500	2500	2500	2300
Maximum Flow	L/Min	220	325	363	483	598
Maximum Power	Kw	128	190	211	281	349
Maximum Torque	Nm	521	724	808	1075	1445
Weight	(kg)	53	72	73	104	138

Phone: 07 3889 4591

[www.tidalfuidpower.com.au](http://www.tidalfuidpower.com.au)  
[sales@tidalfuidpower.com.au](mailto:sales@tidalfuidpower.com.au)



TPV	11	190	DRS	S13	R	TDB-13
Description	Series	Displacement (cc/rev)	Control Device	Shaft Type	Shaft Rotation	End Cover
<b>T</b> (Tdal)  <b>P</b> (Pump)  <b>V</b> (Variable)	<b>11</b> Open Circuit 350 Bar Modular Controls Modular Through Drive	<i>(Pumps of smaller displacement are available – Please request more info)</i>  <b>95cc/rev</b>	<b>DRS</b> Load Sense Pressure cut-off  <b>HD1D</b> Hydraulic Pilot & Pressure Cut-off (ask for info)	<b>S13/Z21</b>	Viewed from Shaft End  <b>R</b> Right Hand Rotation  <b>L</b> Left Hand Rotation	<b>TD</b> Through Drive Option  TDA-11 TDB-13 TDB-15 TDC-14 TDC-17 TDD-13 (Side Ports 12 STD)
		<b>130cc/rev</b>	<b>EP2D</b> Electric Proportional control with Pressure cut off			
		<b>145cc/rev</b>	<b>LRDS</b> Torque control load sense Pressure cut off	<b>S13/Z24</b>		
		<b>190cc/rev</b>	<b>LRDH2</b> Torque control pressure limit with hydraulic pilot	<b>S13/Z24</b>		
		<b>260cc/rev</b>	Other controllers are available, please request info	<b>S13/Z28</b>		

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