

# Variable Displacement Axial Piston Motors

## V12



- Very high operating speeds
- Displacement ratio 5:1
- Pressures to 482 Bar (7000 PSI)
- Very high power capability
- High starting torque
- Low weight
- High overall efficiency
- Axial or side ports
- Controls available for most needs
- ISO, SAE and cartridge versions

Frame size <b>V12</b>	<b>-60</b>	<b>-80</b>
Displacement: 35° (max): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	60 3.66	80 4.88
6.5° (min): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	12 0.73	16 0.98
Max continuous pressure (Bar) (PSI)	420 6000	420 6000
Max operating speed* (RPM)	5600	5000

\*At reduced displacement

## V14



- For open or closed circuits
- High starting torque and smooth operation
- Increased shaft speeds and improved support
- Improved sealing
- Faster control response
- Enlarged setting piston
- Tapered roller bearings
- Wide displacement range—5:1
- Small envelope size and high power-to-weight ratio
- Robust motor with long service life and proven reliability

Frame size* <b>V14</b>	<b>-110</b>	<b>-160</b>
Displacement: 35° (max): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	110 6.71	160 9.76
6.5° (min): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	22 1.34	32 1.95
Max continuous pressure (Bar) (PSI)	420 6000	420 6000
Max operating speed** (RPM)	5700	5000

\*Additional frame sizes in preparation.

\*\*At reduced displacement

## T12



- Designed specifically for track drives
- Very high operating speeds
- Pressures to 482 Bar (7000 PSI)
- Very high power capability
- High starting torque
- Low weight
- High overall efficiency
- Axial or side ports
- Two-position control
- Cartridge version available

Frame size <b>T12</b>	<b>-60</b>	<b>-80</b>
Displacement: 35° (max): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	60 3.66	80 4.88
10° (min): (cm <sup>3</sup> /rev) (in <sup>3</sup> /rev)	18 1.10	24 1.46
Max continuous pressure (Bar) (PSI)	420 6000	420 6000
Max operating speed* (RPM)	5600	5000

\*At reduced displacement

