

North American Hydraulics,
(NAHI, LLC), partnering with Eaton
VIS (Valve-In-Star) Hydraulic Motors.

Features and Benefits:

- Patented VIS Geroler Technology in an extremely compact powerful package
- Simplified design with only three moving components: geroler star, drive, output shaft
- Pressure-balance Geroler improves efficiency offering the highest output torque in its class
- Shuttle valve option for reliable internal drive lubrication to reduce system temperatures
- High horsepower density
- Variety of optional features including two-speed option, and case flow solutions for both closed-loop and open-loop applications.
- Design flexibility
- Reliable and dependable performance



Proven Solutions for:

- Skid Steer Loaders / Sprayers
- Mini Excavators / Augers
- Trenchers/Grinders/Mixers
- Forestry Equipment / Sprayers
- Underground Boring Equipment
- Irrigation Reels
- Material Handling Equipment
- Large Turf Care Equipment

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.

Low Speed High Torque Motors Solution Providers



VIS - Valve-In-Star Motors - Low Speed High Torque Motors

Models	Displacement in ³ / cm ³	Max Speed rpm	Max Flow gpm	Max Pressure psi	Torque ft-lbs
VIS 40 Series Motors	19.8/325	454	45	5500	17421
	24.4/400	368	45	5500	14137
	30.7/505	293	45	5500	21919
	34.9/570	257	45	5500	24918
	38.5/630	233	45	5500	28000
	41.7/685	215	45	5500	28000
VIS 40 Series Motors In Two-speed Mode	48.0/785	187	45	4355	28000
	57.4/940	148	45	3621	28000
	In the low speed high torque (LSHT) mode, torque and speed value are equal to those of the conventional VIS 40 motor. In the high speed low torque (HSLT) mode, rotation speed is increased by fifty percent and torque output is reduced by one third. The motor will function with equal shaft output in either rotation direction (CW or CCW) in both LSHT and HSLT modes.				
VIS 45 Series Motors	38.6/630	284	50	5500	27530
	48.6/805	220	50	5500	32940
	60.5/990	183	50	5500	40269
	76.0/1245	143	50	4465	47592
	95.0/1560	115	50	3570	50000
VIS 45 Series Motors In Two-speed Mode	In the low speed high torque (LSHT) mode, torque and speed value are equal to those of the conventional VIS 45 motor. In the high speed low torque (HSLT) mode, rotation speed is increased by fifty percent and torque output is reduced by one third. The motor will function with equal shaft output in either rotation direction (CW or CCW) in both LSHT and HSLT modes.				

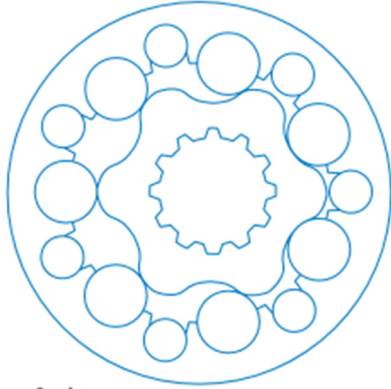
Other Products Offered by Eaton

EATON
Char-Lynn



EATON

Technical Details – VIS Motors



Geroler

The VIS (Valve-in-Star) Motors are the next step in the evolution of the low speed high torque (LSHT) hydraulic motors. The VIS design provides design advantages over other types of LSHT hydraulic motor valving resulting in a more compact package with better efficiency and higher pressure capability. These improvements have shown significant packaging and performance advantages in applications such as skid steer loaders, mini excavators, trenchers and logging equipment.

VIS motors are primarily intended for use in closed loop circuit applications. Consult your Eaton representative for assistance on open loop circuit applications.

