

High Flow Reversing/Proportional Fan Drive Motor

Turolla continues to optimize fan drive motors to meet the growing demands of off-highway applications.

The new high flow reversing/proportional fan drive motor is shorter in length, lighter in weight and offers significant improvements in flow capacity and pressure drop.

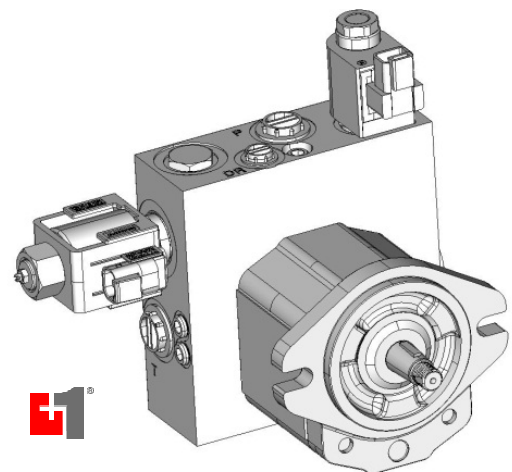
Design

The high flow reversing/proportional fan drive motor is designed for long life in high performance fan drive applications

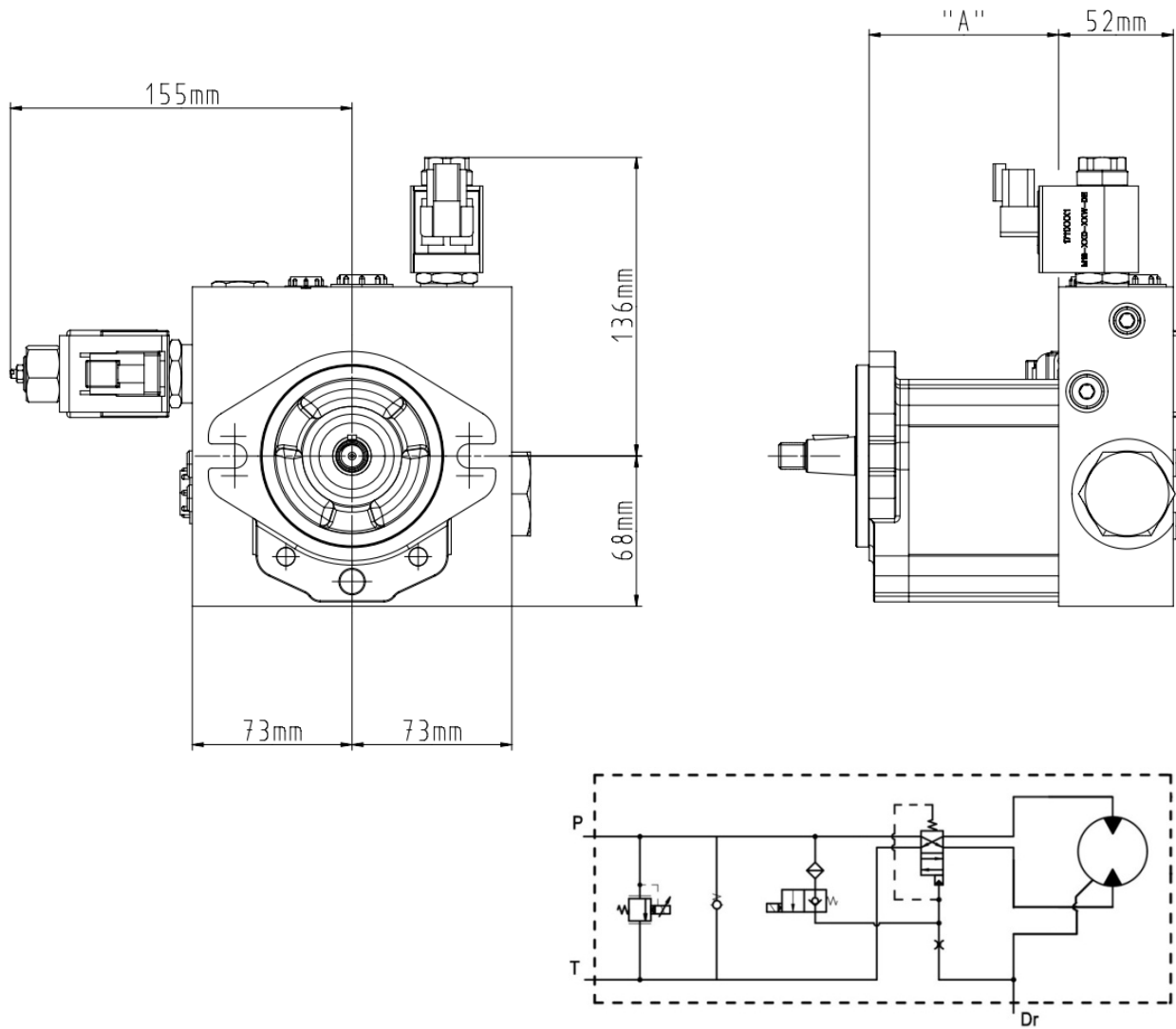
- Optimized valve design offers significant power savings by reducing pressure drop with flows up to 70 l/min (18.5 gpm)
- Pressure capability up to 250 bar (3600 PSI)
- Speeds up to 3500 rpm
- Intermittent fluid temperature up to 110°C [230°F] with a minimum viscosity of 10 mm²/s [60 SUS]

The design integrates the following features:

- High performance, pressure balanced aluminum gear motor
- Integrated dust cover to protect the shaft seal
- Durable steel manifold optimized to provide short length
- Proportional pressure relief valve to modulate fan speed
- Pilot-controlled directional cartridge valve to reverse motor rotation
- Anti-cavitation valves to bypass flow during fan wind down
- Optional shock valves to absorb pressure spikes
- Deutsch connector DT 04 (IP67K) and optional DIN 43650 connector
- PLUS +1™ Compliant



Dimensions and Ratings



Parameters	Unit	8.0	011	014	017	019	022	025
Displacement	cm ³ /rev	8.4	10.8	14.4	16.8	19.2	22.8	25.2
	in ³ /rev	0.51	0.66	0.88	1.03	1.17	1.39	1.54
Rated Pressure	bar	250	250	250	230	210	180	160
	psi	3626	3626	3626	3336	3046	2610	2320
Peak Pressure	bar	270	270	270	250	230	200	180
	psi	3916	3916	3916	3626	3336	2900	2610
Maximum Speed	rpm	3500	3500	3500	3500	3200	3200	3200
Dimension "A"	mm	76	80	86	90	94	100	104