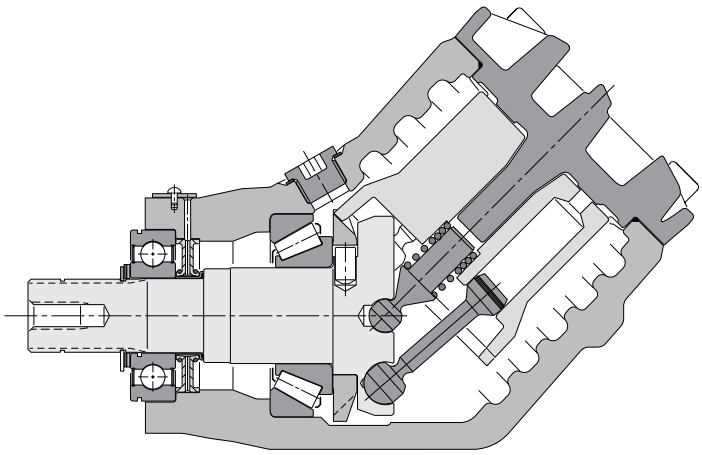
F1 Fixed Displacement Bent-Axis Truck Motors

F1 Motors are used on applications that do not require high shaft sideloading. Their light weight, compact size and efficient design make them the first choice on many mobile applications including winches, augers and spreaders.

Motor Performance Data

Model Series	Displacement in^3/rev (cc/rev)	Maximum Cont. Pressure PSI (BAR)	Rated Drive Speed RPM	Max. Theoretical Torque in-lb (m-kg)	Maximum Output Power @ Rated Speed HP (KW)
F1-25-M	1.56 (25.6)	3600 (250)	2300	719 (82.8)	27 (20.1)
F1-41-M	2.50 (40.9)	3600 (250)	2000	1154 (133.0)	36 (26.8)
F1-51-M	3.12 (51.1)	3600 (250)	1800	1439 (165.8)	41 (30.6)
F1-61-M	3.63 (59.5)	3600 (250)	1700	1678 (193.2 g)	45 (33.6)
F1-81-M	4.98 (81.6)	3600 (250)	1500	2300 (265.0)	55 (41.0)
F1-101-M	6.28 (102.9)	3600 (250)	1400	2904 (334.6)	64 (47.7)

Markets	Applications
Forestry	Knuckle Boom Loader, Cranes, Mowers / Cutters
Construction	Off-Highway Trucks, Fan Drives
Mining	Dump Trucks
Material Handling	Truck Mounted Cranes, Lift Trucks
Recycling	Vaccum Truck Systems, Refuse Trucks - ASL, Rear Loaders
Military	Fan Drives



Benefits/Features

- **Higher self-priming speeds**
- **Operating pressures to 5801.51 PSI (400 BAR)**
- **New frame sizes to meet market requirements**
- **Higher overall efficiency**
- **Increased reliability**
- **Reduced noise level**
- **Smaller installation dimensions**