



Kayaba (KYB) MAG Hydraulic Travel Drive Motor

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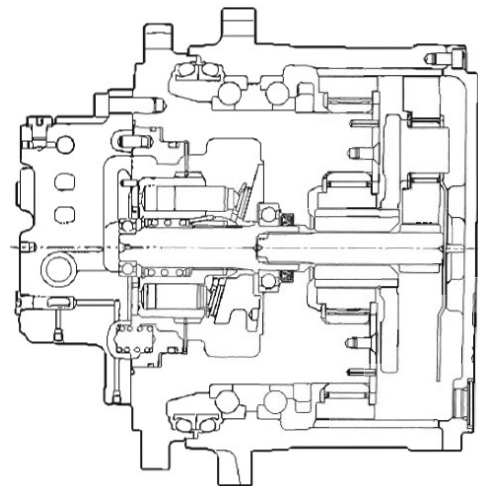
Application:

KYB MAG travel drive motors are a high torque and high efficiency travel motor specifically designed for crawler machines. The drive motors can be customized to fit the customer's requirements with many different ratios and displacements available.

Features

The piston motor has a variable displacement (2-speed) swash plate and incorporates a brake valve and mechanical brake. Combined with a case-rotation type planetary gear reducer, the KYB drive motor offers the following outstanding features:

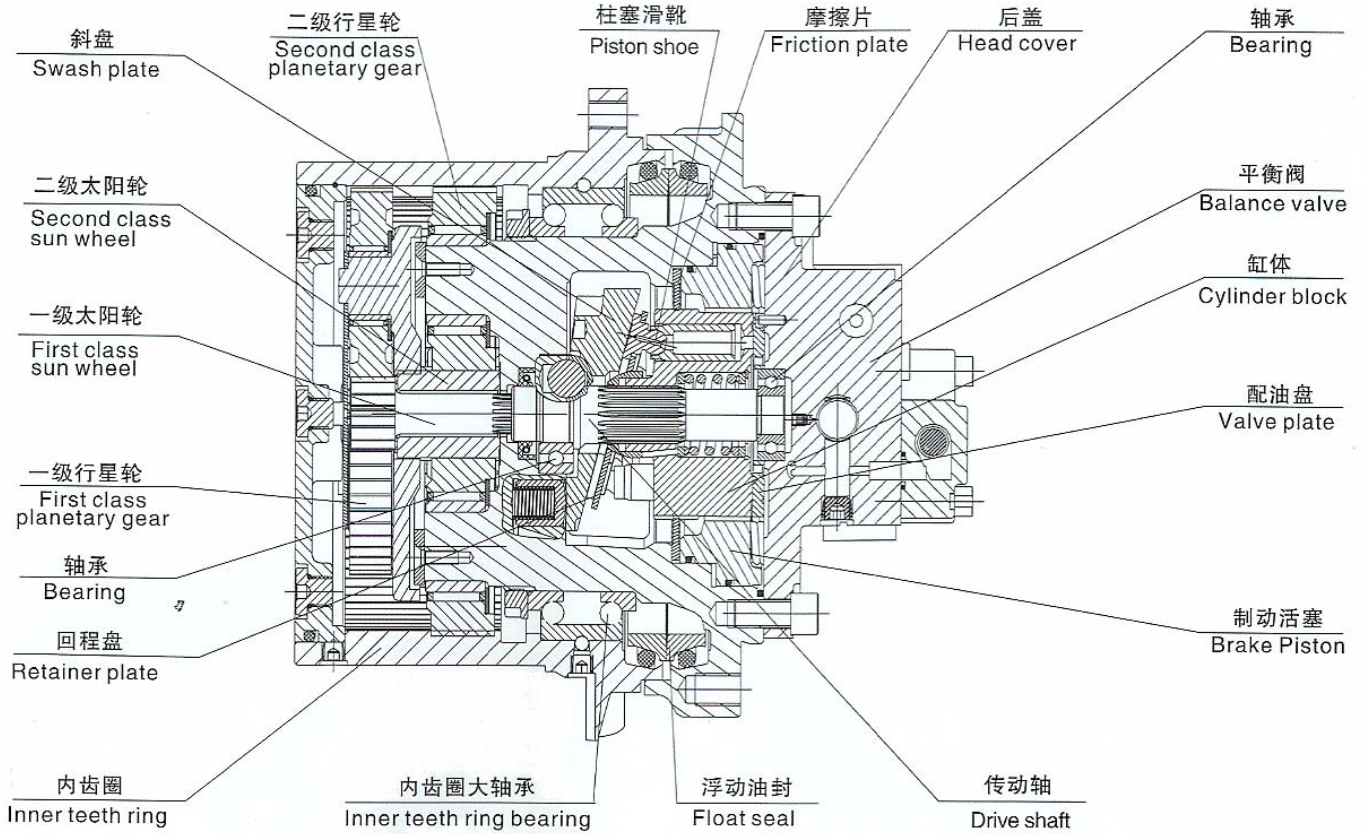
- Hydraulically balanced piston motor ensures high-pressure high-performance operation.
- An offset-type 2-speed design ensures reliable changeover of the displacement by an external pilot control (speed ratios of between 1.5:1 and 2:1)
- The motor offers a built-in double counterbalance valve and shockless crossover relief valve, providing speed control and braking with minimum shock.
- The mechanical brake is a negative brake linked with the counterbalance valve. The brake is automatically activated or released when the vehicle stops or starts.
- The case-rotation type gear reducer has improved durability and reliability due to high precision parts and an equally-loaded design.
- The motor uses heavy duty bearings to ensure long life. Floating seals also prevent dust or water from entering into the motor.



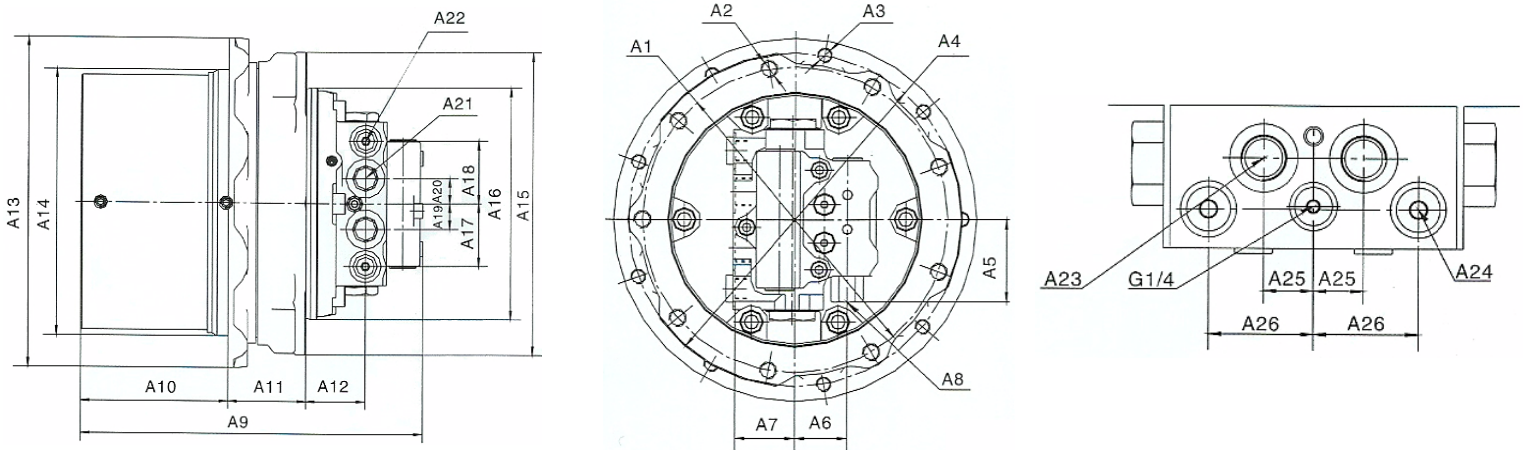
Technical performance data

Model	Max. output	Motor displacement	Gear ratio	Max speed	Max pressure	Applicable Vehicle weight	Weight
	N.m	cc/rev		rpm	MPa	Ton	KG
MAG-26V	4802	27.6	53.7	60	24.5	3.5-5	42
MAG-33V	5880	33.8	47.41	60	27.5	5-6	60
MAG-50V	8918	53.2	45.57	60	29.4	6-8	95

Parts information:



Dimension:



Model	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13
MAG-26V	Φ192	10-M12		Φ232			52		268.5		70.5	66.5	Φ255
MAG-33V	Φ240	9-M14	9-M12	Φ262	54.5	41	47	G1/4	297.5	128	67.8	51.5	Φ285
MAG-50V	Φ250	12-M16	12-M14	Φ300					350.5	148.5	80	100	Φ326

Model	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26
MAG-26V	Φ204	Φ215	Φ165	50	50	26	26			2-G1/2	3-G1/4	26	50
MAG-33V	Φ230	Φ264	Φ200	Φ54	Φ54	22	22	2-G1/2	3-G3/8				
MAG-50V	Φ265	Φ280	Φ210	52.5	52.5	25	25			2-G1/2	3-G1/4	25	52.5