

AXIAL PISTON TRAVEL MOTOR

PTM SERIES

PTM-53/34-01-R45

The PTM Series is a hydraulic motor with a planetary reduction gear, which can be controlled from high-speed low torque to low-speed high torque, and vice versa. It is used in various areas, including construction, shipbuilding, and industrial machinery and vehicles with special functions.

- The PTM Series is a two speed control-type axial piston motor in which a double-counter balance valve and a mechanical brake are built.
- The motor of high-pressure and high-capacity has an optimized design at every part in it.
- It combines the hydraulic motor and the planetary reduction gear with various built-in functions.
- The two speed of the motor is properly controlled by adjusting the exterior pilot.
- The double counter balance valve and the shockless, cross over relief valve being built in the motor's main body, the motor is equipped with a brake system which is excellent in the absorption of shocks.
- The mechanical brake is a negative brake and operates together with the counter balance valve. It operates and stops operation automatically as the motor runs and stops running.



PTM系列是附加减速器的液压发动机，广泛适用于建筑机械、船舶机械、特种车辆、工业机械等领域，可变换高速低扭力、低速高扭力的发动机。

- PTM系列是一种双速写盘型轴向柱塞马达，包含制动阀和机械制动器。
- 是把发动机各部分系统最优化的高压、高性能发动机。
- 它最佳地结合了电机和行星齿轮减速器，具有各种内置附加功能的优良特性。
- 双速斜盘式电机的体积变化通过外部先导操作执行适当的体积转换。
- 发动机主机配有Double Counter Balance Valve和Shockless, Cross Over Relief Valve，具有Shock少的Brake功能。
- 机械制动装置时Negative Brake，与Counter Balance Valve连动，当停止时，机械制动自动动作，启动时自动解除。



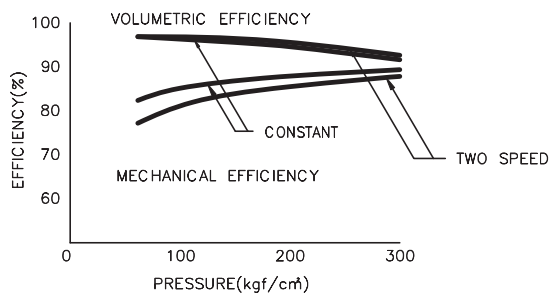
PTM-53/34-01-R45



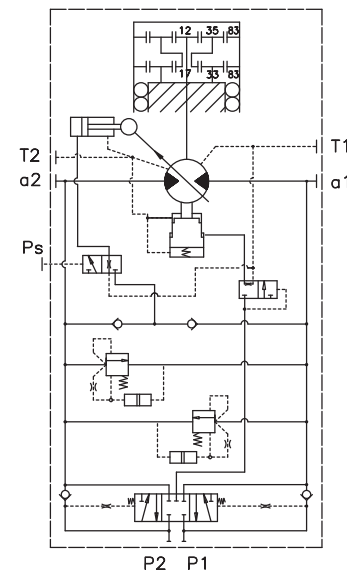
Specification

OUTPUT TORQUE (kgf·m)	OUTPUT SPEED (rpm)	GEAR RATIO	MOTOR						WEIGHT (kg)
			DISPLACEMENT (cc/rev)	MAX SPEED (rpm)	RATED PRESSURE (kgf/cm ²)	TWO SPEED CONTROL PRESSURE (kgf/cm ²)	PARKING TORQUE (kgf·m)	MAX FLOW (l/min)	
1100/699	35/55.1	45.6	53.2/33.8	1598/2515	285	20	9	85	86.0

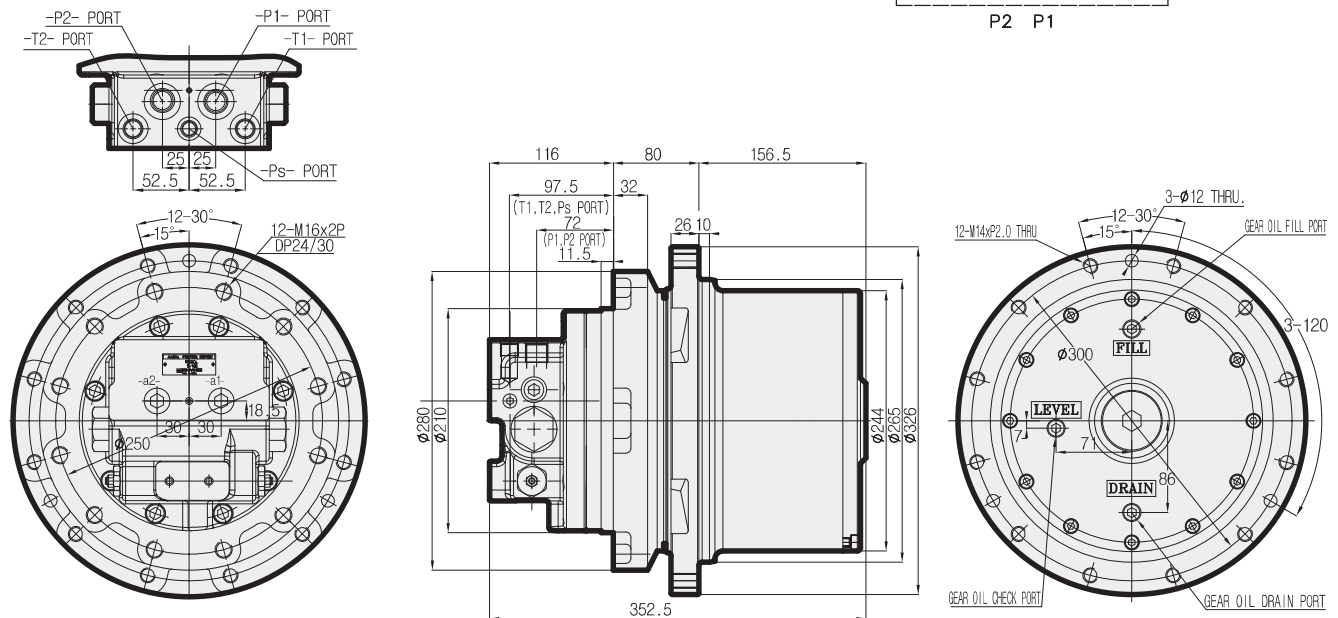
Performance Curve



Circuit



Dimensions



Port Size

INLET / OUTLET PORT	CASE DRAIN PORT	PRESSURE GAGE PORT	2SPEED CONTROL PORT	GEAR OIL CHECK PORT	GEAR OIL DRAIN PORT	GEAR OIL FILL PORT
PF 1/2(P1, P2)	PF 3/8(T1, T2)	PF 1/4(a1, a2)	PF 1/4(Ps)	PT 3/8	PT 3/8	PT 3/8