

MEIDEN ULTRA-HIGH SPEED FCDY (EVDY) AC Dynamometer

MEIDEN High-Speed EVDY Dynamometer for EV Motor Tests is a high-capacity (150kW) and ultra-fast (20,000rpm) FCDY dynamometer developed specifically for testing motors used in electric vehicles (EV) / hybrid electric vehicles (HEV).

Features

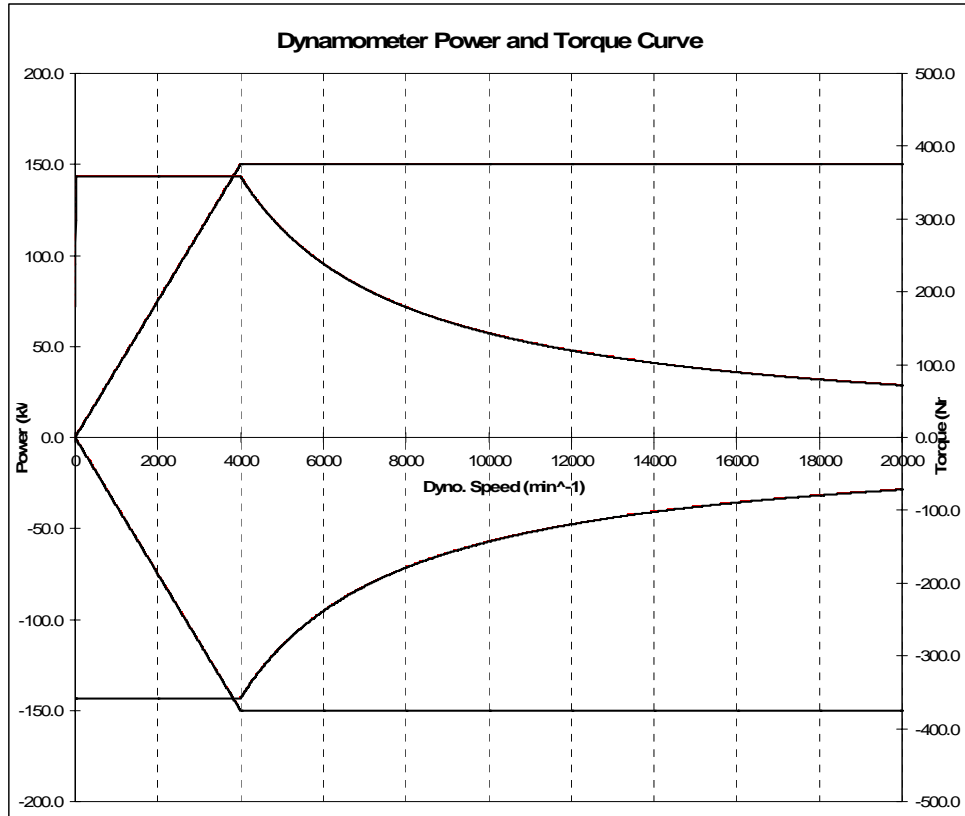
- **High-Capacity / High-Speed Rotation**
The high-speed EVDY AC dynamometer with absorb / motoring rating of 150kW – 20,000rpm, and is capable of supporting a wide variety of EV motor tests.
- **Water Cooled / Low Noise**
Both the stator and the rotator are water cooled, and low-noise is achieved since there is no cooling fan.
- **Space-Saving / Backlash-Free**
The transmission (gearbox) for supporting high-speed that is typical in a conventional EV motor testing machine has been eliminated. This realizes eliminating influence of backlash and also substantially reducing the installation space.



Specifications

No.	Item	Specification
1	Type	Totally-enclosed water cooled
2	Absorption Power	150 kW
3	Motoring Power	150 kW
4	Speed (Base/Max.)	4,000 / 20,000 min-1
5	Torque	358 Nm
6	Time rating	Continuous rating
7	Voltage	360 Volts
8	Number of poles	2 poles
9	Direction of rotation	Reversible operation
10	Cooling water (Utilities)	Flow rate: 60 lit./min. Temperature: Less than 32degC Pressure: 0.1 to 0.2MPa

Power Curve



Dimensions

