

MEIDEN PCDYII 330 and PMDY-LV220 Dynamometers

Meiden High Performance Dynamometers are a new series of AC dynamometers. The development of these dynamometers is based on many years of accumulated experience and technology from the manufacturing of dynamometers, induction motors, inverters, and inverter controls. Meiden has realized high performance and low noise by use of IGBT power devices, all digital sine wave PWM control, and by applying the latest inverter control techniques.



PCDYII-330

Features

- **A wide control range**
0.02 to 250Hz (1 to 15,000rpm with bipolar machine) is available.
- **Low Inertia**
Utilizes permanent magnet motor.
- **Low noise**
Reduced electromagnetic noise [about 9dB(A) lower than the former model]
- **Space saving in control panel**
Reduced external dimensions (about 25% smaller than the former model)
Front access for ease of maintenance
- **High speed digital control interface (Option)**
Fully digitalized test system is available.
- **High harmonic suppression (Option)**
Sine wave PWM converter control

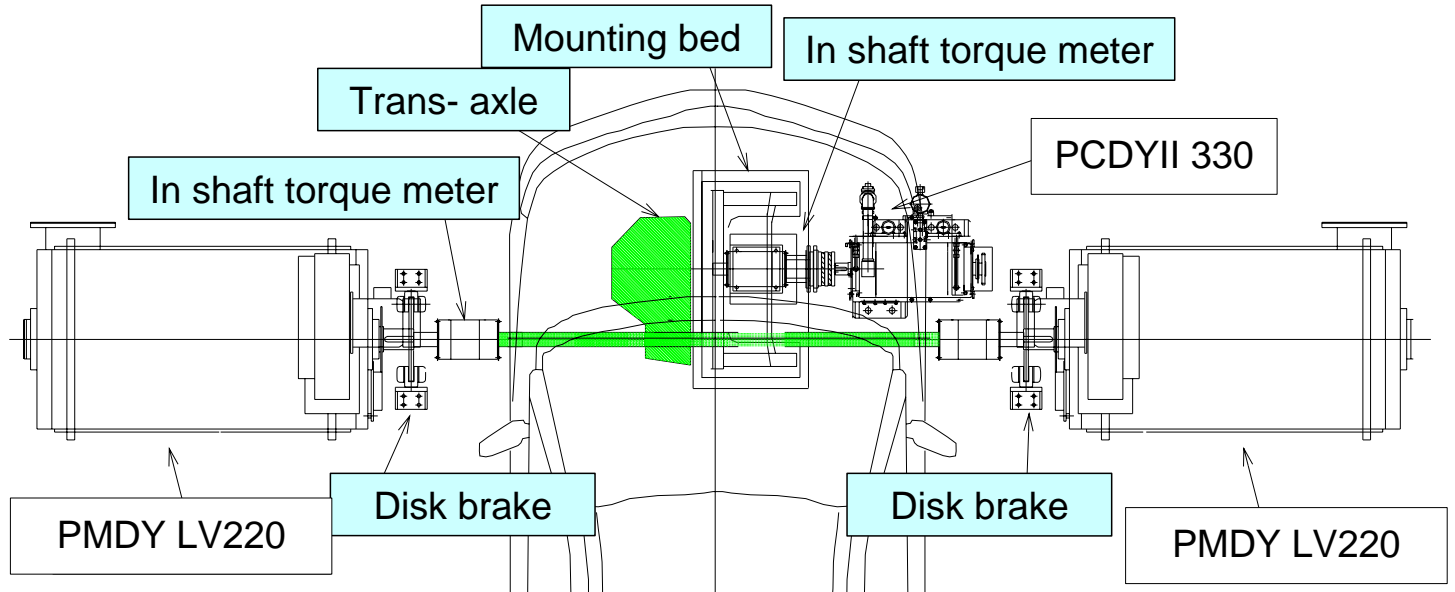


PMDY-LV220

Specifications

Item		PCDYII-330	PMDY-LV220
Capacity		ABS 330kW / MOT 300kW	ABS 220kW / MOT 200kW
Maximum Speed		8500rpm	3000rpm
Base Speed / Torque		6000rpm / 445Nm	1000rpm / 2100Nm
Inertia		0.12kg·m ²	0.97kg·m ²
DY main circuit voltage		380 V AC	360 VAC
Mounting system		Foot Mounted	Foot Mounted
Torque detection accuracy		±0.2% F.S. Max.	±0.1% F.S. Max.
Circuit system	Converter	IGBT 120° current carrying control Sine wave PWM current control	
	Inverter	IGBT voltage type current control	
Overload		150% for 30sec.	143% for 1min.
Dimensions		W267XH624XL788mm	W475XH705XL1214mm
Weight		400kg	1100kg

FWD MEIVARDS PT System Concept Featuring the PCDYII 330 and PMDY LV220



MEIVARDS PT Virtual System Control Configuration

