



## RPS40-100-5-F

Permissible axle load	1.800 kg
Inner Roller edges	900 mm
Outer Roller edges	2.100 mm
Typical axle distance	min. 1.200 mm max. 3.200 mm
Roller diameter	240 mm
Max. speed	100 km/h
Motor power	4x 15 kW
Acceleration	max. 5 m/s <sup>2</sup>
Deceleration	max. 5 m/s <sup>2</sup>
Height of modules	325 mm
Total weight	3.000 kg
Control	fibre optic cable (GOF type)
Temperature range	-10 °C...+40 °C
Working range	0 °C...+35 °C
Current consumption	2x 63 A
Voltage	400V (50-60Hz)

## Brief description

The Dynamometer RPS40-100-5-F is designed to be used in an anechoic chamber for EMI & EMC measurements. The free-standing design allows a quick setup and storage on top of a Turntable. Two active axles are used for cars with front / rear wheel drive as well as 4WD. Each car wheel is driven by a separate Motor/Generator.

All electronic components are located inside the modules in a shielded and radio interference suppressed cabinet. The typical Emission level is below the CISPR 22 class B regulation. The immunity against field strength up to 200V/m is guaranteed.

An Noise-free (Zero emission) execution is optionally available.