

Automotive Test Equipment



48" chassis dynamometer for climatic testing -40° C up to +60° C

Tailor-made solutions for high speed, temperature- and power ranges.

TECHNICAL SPECIFICATIONS

Roller tester

<i>Main rollers (2x):</i>	
<i>dimensions</i>	Ø 1.22 m x 0,65 m
<i>friction coefficient tire to roller (µr)</i>	0,8
<i>distance between insides rollers</i>	0,9 m
<i>Rotating mass equivalent inertia</i>	1700 kg
<i>Side rollers (2x)</i>	0,13 m Ø
<i>Maximum axle weight</i>	3.000 kg
<i>Approximate pit dimensions (L x W x D)</i>	3,5 x 3,0 x 2,1 m
<i>Maximum speed</i>	200 km/h

AC motor

<i>Protection</i>	IP 54
<i>Power (generative) nominal / max. (60 sec)</i>	150 / 224 kW, > 170 km/u
<i>Force (generative) nominal / max. (60 sec)</i>	3170 / 4750 N, < 170 km/u
<i>Inertia simulation range</i>	450 - 2950 kg
<i>Main power requirement</i>	400 V, 50 Hz, 3 phase 290 A nominal, 430 A peak (< 60 sec.)
<i>Auxiliary power requirement</i>	220 V - 240 V, 50/60 Hz, 16 A

<i>Mech. equipment (excl. drive motor) ambient temperature range</i>	-40 °C to +60 °C
<i>Electrical equipment ambient temperature range</i>	-10 °C to +45 °C
<i>Electrical equipment relative humidity</i>	< 85% at +20 °C (non condensing)