

Product Name :
Engine Test Stand

Product Code :
TK171



Description :

Engine Test Stand

Technical Specification :

Engine Test Stand

Control and load unit for prepared four-stroke engines with a power output of 11kW

Vibration-insulated base plate for mounting of the engine and the asynchronous motor

Asynchronous motor with energy recovery unit as brake generates engine load

Engine and passive mode started by asynchronous motor

Force transmission from engine to brake via elastic claw coupling

2 separate fuel gauge systems

Stabilization tank for intake air 75L

Potentiometer for continuous adjustment of braking speed and torque

Measurement and display of temperatures (oil, fuel, air), engine load, engine speed, fuel consumption, air intake quantity, oil pressure

Measured value displays for engine: exhaust gas temperature and cooling water temperatures

Software for data acquisition via USB under Windows 8.1, 10

Asynchronous motor as brake

Nominal power output: 11kW at 3000min-1

Measuring ranges

Torque: -200...200Nm

Speed: 0...5000min-1

Volumetric flow rate: 0...938L/min (intake air)

Flow rate: 0...250L/h (cooling water)

Temperature:

4x 0...120°C

1x 0...150°C (oil)

1x 0...900°C (exhaust gas)

Pressure: 0...6bar (oil)

400V, 50Hz, 3 phases

400V, 60Hz, 3 phases

230V, 60Hz, 3 phases

Dimensions and weight

Length x Width x Height: 1900x795x1800mm (switch cabinet)

Length x Width x Height: 1450x680x750mm (base plate)

Weight: 350kg (weight with engine, which is not included).

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