

# PROJECT INFORMATION

*By developing and manufacturing special technical solutions we are creating innovations for solving our customers' problems. Corresponding to their requirements we develop and manufacture different kinds of transformers, voltage stabilizers, chokes, power supply units and power resistors.*

*Thanks to higher quality, longer service life and lower operational costs RUHSTRAT technology brings you ahead with all kinds of application.*

## Three-Phase Voltage Supply with Frequency Converter

The three-phase voltage supply with frequency converter is used for testing fully automatic coffee makers and hot beverage stations for the catering sector. The voltage supply and the frequency converter are positioned on a common basic frame with rollers and are thus movable.

The three-phase voltage supply is designed as variable transformer aggregate consisting of a variable toroidal transformer and a dry fixed transformer. The variable transformer aggregate makes a stepless adjustment of the output voltage possible, from 0 to 500 V.

By means of the frequency converter the input frequency of 50 Hz can be turned into an output frequency of 60 Hz. Thanks to the combination with the variable transformer aggregate the test item can be tested with various voltages and frequencies.

By means of analogous instruments the current and voltage values can be read off for each phase.



### Variable transformer aggregate with frequency converter

rated power	13,9 kVA
rated input voltage	400V / 50 Hz
rated output voltage	0...500V / 50Hz or 60 Hz switchable
current collection	16 A
vector group	YNO
cooling	AN (natural air cooling)
degree of protection	IP20 according to EN 60529