

# MOTOR VARIAC 1-PHASE

## VARIABLE TRANSFORMERS FOR VOLTAGE DIPS, SHORT INTERRUPTIONS AND VOLTAGE VARIATIONS



### FOR TESTS ACCORDING TO ...

- › EN 300329
- › EN 300340
- › EN 300342-1
- › EN 300386-2
- › EN 300386 V1.3.2
- › EN 301489-1
- › EN 301489-17
- › EN 301489-24
- › EN 301489-7
- › EN 61000-4-11
- › EN 61000-4-8
- › IEC 60601-1-2
- › IEC 61000-4-11
- › IEC 61000-4-8
- › IEC 61326





### MOTOR VARIAC NX 1-260-XX SERIES

The single phase motor variacs of the NX 1-260-XX series allow to steplessly adjust the EUT supply voltage from 0V to 260 V (280 V) when supplied by a 230 V mains supply voltage. By means of the variac NX 1-260-xx series tests as required in the standard IEC / EN 61000-4-11 (voltage dips and short interruptions as well as the optional voltage variation) can be performed adjusting the voltage to any voltage level. Apart from this the motor variac is used for power-frequency magnetic field tests as per IEC / EN 61000-4-8.

### HIGHLIGHTS

- › **Voltage range: 0 up to 280 V @230 V**
- › **Max. current: 16 A cont., 40 A during › 3 s**
- › **Frequency: 50 Hz/60 Hz**
- › **Output voltage control: 0 - 10 VDC**
- › **Fast slew rate, < 2 seconds (full range)**
- › **High inrush current capability**
- › **Steplessly adjustable output voltage**
- › **Able to compensate mains supply variation**

### APPLICATION AREAS

-  RENEWABLE ENERGY
-  TELECOM
-  INDUSTRY
-  MEDICAL
-  RESIDENTIAL

## TECHNICAL DETAILS

## SINGLE PHASE MOTOR VARIACS, VARIAC NX 1-260-XX SERIES

## MODEL OVERVIEW

variac NX 1-260-16	Single phase motor variac, 0 - 260 V, 16 A, @230 V, 0 - 130 V, 16 A, @115 V
variac NX 1-280-16	Single phase motor variac, 0 - 280 V, 16 A, @230 V
variac NX 1-260-32	Single phase motor variac, 0 - 260 V, 32 A, @230 V, 0 - 130 V, 32 A, @115 V

## TECHNICAL DATA

## VARIAC NX 1-260-16, 1-PHASE MOTOR VARIAC, 16 A

Input voltage	Max. 250 V
Frequency	50 Hz/60 Hz
Output voltage	0 - 130 V @115 V, 0 - 260 V @230 V, 0 - 275 V @250 V
Output current	Max. 16 A
Output power	0 to 4,160 VA

## VARIAC NX 1-280-16, 1-PHASE MOTOR VARIAC, 16 A

Standard	GOST R 51317.4.11-99
Input voltage	Max. 250 V
Frequency	50 Hz/60 Hz
Output voltage	0 - 280 V @230 V
Output current	Max. 16 A
Output power	0 - 4,480 VA

## VARIAC NX 1-260-32, 1-PHASE MOTOR VARIAC, 32 A

Input voltage	Max. 250 V
Frequency	50 Hz/60 Hz
Output voltage	0 - 130 V @115 V, 0 - 260 V @230 V, 0 - 275 V @250 V
Output current	Max. 32 A
Output power	0 - 8,320 VA

## TECHNICAL DATA

## OUTPUTS

Output PF1	Nominal mains supply voltage
Output PF2	0 V - maximum output voltage (depending on the model and supplied mains supply voltage)
Output connectors	4 mm safety lab connectors PF1, PF2, Neutral and PE

## CONTROLS

Mains switch	On/Off for the output voltages
Control voltage	Analog 0 - 10 VDC (0 V to max. output voltage)
Slew rate	< 2 seconds, full range

## GENERAL DATA VARIAC NX 1-260-16 / VARIAC NX 1-280-16

Dimensions	19" / 6 HU 266 mm x 485 mm x 400 mm (HxLxW)
Weight	approx. 27 kg
Supply voltage	115/230 V
Fuses	20 A (PF1), 16 A (PF2)

## VARIAC NX 1-260-32

Dimensions	Rack mounted in 19" rack or mounted into a separate cubicle 680mm x 600mm x 410mm (HxLxW)
Weight	approx. 58 kg
Supply voltage	115/230 V
Fuses	35 A (PF1), 35 A (PF2)

## ENVIRONMENT

Temperature	10 °C to 35 °C
Humidity	30 % to 75 %, non condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

# COMPETENCE WHEREVER YOU ARE



## CONTACT EM TEST DIRECTLY

### Switzerland

AMETEK CTS GmbH › Sternenhofstraße 15 › 4153 Reinach › Switzerland  
Phone +41 (0)61 204 41 11 › Fax +41 (0)61 204 41 00  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [sales.conducted.cts@ametek.com](mailto:sales.conducted.cts@ametek.com)

### Germany

AMETEK CTS Europe GmbH › Customer Care Center EMEA › Lünener Straße 211  
› 59174 Kamen › Germany  
Phone +49 (0) 2307 26070-0 › Fax +49 (0) 2307 17050  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [info.cts.de@ametek.com](mailto:info.cts.de@ametek.com)

### Poland

AMETEK CTS Europe GmbH › Biuro w Polsce › ul. Twarda 44 › 00-831 Warsaw › Poland  
Phone +48 (0) 518 643 12  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [Infopolska.cts@ametek.com](mailto:Infopolska.cts@ametek.com)

### USA / Canada

AMETEK CTS US › 52 Mayfield Ave › Edison › NJ 08837 › USA  
Phone +1 732 417 0501  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [usasales.cts@ametek.com](mailto:usasales.cts@ametek.com)

### P.R. China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd. › Beijing Branch › Western Section, 2nd floor › Jing Dong Fang Building (B10) › Chaoyang District › Beijing, China, 100015  
Phone +86 10 8526 2111 › Fax +86 (0)10 82 67 62 38  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [chinasales@ametek.com](mailto:chinasales@ametek.com)

### Republic of Korea

EM TEST Korea Limited › #405 › WooYeon Plaza › #986-8 › YoungDeok-dong › Giheung-gu › Yongin-si › Gyeonggi-do › Korea  
Phone +82 (31) 216 8616 › Fax +82 (31) 216 8616  
Internet: [www.emtest.co.kr](http://www.emtest.co.kr) › E-mail: [sales@emtest.co.kr](mailto:sales@emtest.co.kr)

### Singapore

AMETEK Singapore Pte. Ltd › No. 43 Changi South Avenue 2 › 04-01 Singapore 48164  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com) › E-mail: [singaporesales.cts@ametek.com](mailto:singaporesales.cts@ametek.com)

### Great Britain

AMETEK GB › 5 Ashville Way › Molly Millars Lane › Wokingham › Berkshire RG41 2 PL › Great Britain  
Phone +44 845 074 0660  
Internet: [www.ametek-cts.com](http://www.ametek-cts.com)

Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.