Your contact:
+49-(0)2 12-88 04-0 • info@reo.de

REOVAR DRRTO/DRRTOSpW

Three-phase toriodal variable transformers (auto windings, open, IP 00)



Unique Selling Point

- Closely stepped adjusting of output voltages
- Frequencies of 50 - 400 Hz
- No EMC-Problems
- Low heat dissipation
- Comparatively large loads with small dimensions
- Wide range of accessories

Description

REOVAR toroidal transformers from the market leader for variable transformers regulate the output voltage in fine steps at constant current at the output. Our toroidal transformers are suitable for frequencies of 50 - 400 Hz - other frequencies on request.

The particular advantage of this series is to maintain the sinusoidal shape - like that, EMC problems cannot occur. The special winding core of REO produces no stray fields and low voltage case.

- Input voltage: 3 x 400V 50/60 Hz
- Output voltage 3 x 0-400 V oder 0-450 V
- Ambient temperature max. 40° C
- Connection group IO

REO toroidal variable transformers conform to EN 61558-2-14

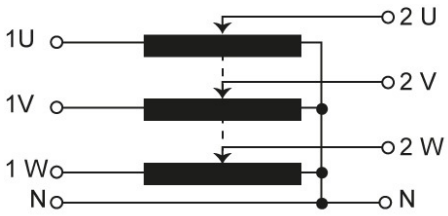
Technical Data

- Input voltage : 3 x 400 V
- Output voltage : 3 x 0 - 400 / 3 x 0 - 450 V
- Output Current : 3 x 1 - 3 x 32 A

Options

- Protection IP 20 - IP 54
- Motor drive, digital/analog
- seperate windings
- Versatile accessories: e.g.motor control TVR 6500

Circuit example



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Technical data

Type	3 x 0-400 V		3 x 0-450 V		Copper	Weight
	[3xA]	[kVA]	[3xA]	[kVA]	[kg]	[kg]
DM 4	1,0	0,69	0,9	0,66	0,195	7,5
DM 5	1,6	1,11	1,2	0,93	0,27	8,5
DM 61	3,2	2,20	2,8	2,19	0,42	11,5
DM 8	6,0	4,14	4,5	3,50	1,35	20,5
DM 10	10	6,90	8,0	6,24	2,7	32
DM 12	15	10,4	12	9,36	3,6	40
DN 7	18	12,4	18	14,0	5,7	57
DN 9	25	17,3	25	19,5	8,1	72
DN 10	32	22,1	32	24,9	9,9	75

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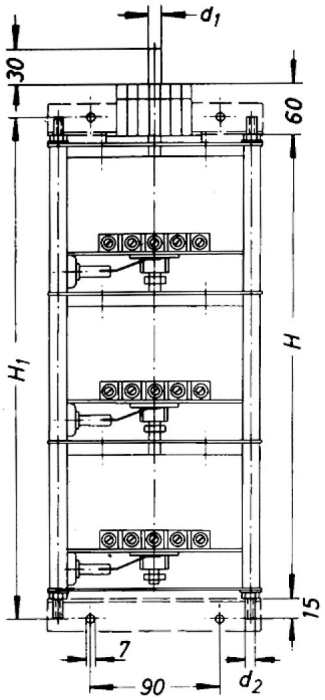
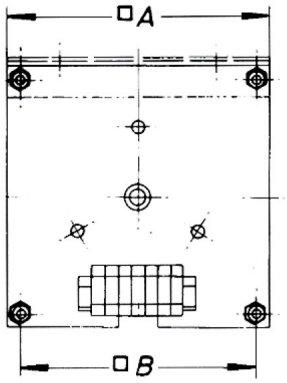
Dimension drawing





Dimensions

Type	A	B	H	H1	D1	D2
DM 4	150	134	330	360	6	M 6
DM 5	150	134	330	360	6	M 6
DM 61	150	134	330	360	6	M 6
DM 8	150	134	455	485	10	M 10
DM 10	180	160	460	490	10	M 10
DM 12	220	196	485	515	10	M 12
DN 7	300	249	460	490	10	M 10
DN 9	300	249	460	490	10	M 10
DN 10	300	249	460	490	10	M 10

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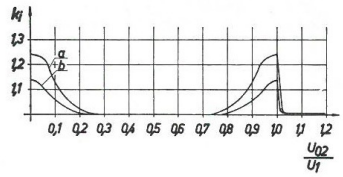
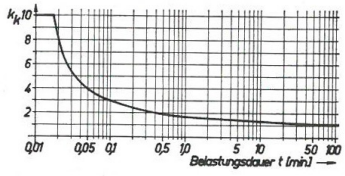
Increase factor



Factor ki expressed as a relationship to no load voltage (U02) over primary voltage (U1)
Curve a) Type M4, M7 - M12
Curve b) Type M5, M61, EN7 - EN10



Factor kk relative to operation time t.

Maintenance:

The brush-roller has a sintered-bronze bearing, which is lubricated for two years of operation.

Seized or worn carbon rolls must be replaced immediately. From time to time the contact surfaces of the windings should be cleaned with a stiff brush to remove adhered dirt (dust and carbon abrasion).

Maintenance manual on request.

Accessories:

- Collet knob FZ 60 for DM4 to DM 61
- Collet knob FZ 90 for DM7 to DN10
- Scale 90 for collet knob FZ 60
- Scale 120 for collet knob FZ 90
- Angular drive for DRRTSpW

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