

Single-phase autotransformers



Power: 300 ÷ 25000 VA
Input voltage: 100 ÷ 600 VAC
Maximum current: 200A

Technical data

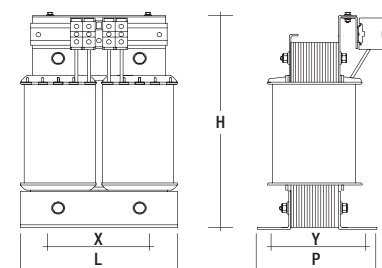
Duty cycle: continuous
Frequency: 50/60 Hz
Protection rating: IP 00
Terminal block protection rating: IP 20
Ambient temperature: +40°C MAX
Thermal insulation class: B/130°C or F/155°C
Protection against direct and indirect contact: class I
Winding material: copper
Standards: EN61558-2-13
Approvals: cURus (insulation systems AB155 UL CSA file number E340840)



The autotransformer is made with a single winding from which the various output voltages are taken. This type of transformer does not feature any form of galvanic separation from the primary circuit. The size-power ratio of an autotransformer is a function of the maximum (V_{max}) and minimum (V_{min}) input/output voltage in accordance with the following formula:

$$\text{Core power handling} = \frac{(V_{max} - V_{min})}{V_{max}} \times \text{Rated output power (VA)}$$

Use the result to find the autotransformer size needed in the following table. AUTM series units for general use are manufactured on demand.



Code	Core power handling	Length L (mm)	Depth P (mm)	Height H (mm)	Fixing		Weight (Kg)
					X	Y	
AUTM10BXX	100	85	95	90	60	70	2,2
AUTM20BXX	200	97	110	98	68	87	4
AUTM30BXX	300	120	100	130	80	83	5,5
AUTM50BXX	500	135	117	140	90	88	8
AUTM60BXX	600	150	110	155	105	80	8,5
AUTM80BXX	800	150	130	155	105	100	11,5
AUTM10CX	1000	150	140	155	105	110	13
AUTM13CX	1300	180	145	180	128	110	16
AUTM16CX	1600	180	155	180	128	120	18
AUTM20CX	2000	193	160	190	135	125	23
AUTM25CX	2500	193	170	190	135	135	25
AUTM30CX	3000	193	180	190	135	145	27
AUTM35CX	3500	193	190	190	135	155	29
AUTM40CX	4000	200	180	290	150	132	34
AUTM50CX	5000	200	190	290	150	142	38
AUTM60CX	6000	240	170-220	340	204	134	44
AUTM70CX	7000	240	180-230	340	204	144	48
AUTM10DXX	8000	240	190-240	340	204	154	55
AUTM10DXX	10000	280	240	420	235	150	62
AUTM12DXX	12000	280	250	420	235	160	68
AUTM15DXX	15000	280	260	420	235	170	78
AUTM20DXX	20000	320	330	480	265	190	115
AUTM25DXX	25000	330	330	480	265	200	125