

Three-phase autotransformers



Power: 200 ÷ 100000 VA
Input voltage: 100 ÷ 600 VAC
Maximum current: 200 A

Technical data

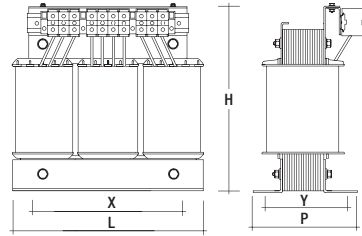
Duty cycle: continuous
Frequency: 50/60 Hz
Protection rating: IP 00
Terminal block protection rating: IP 20
Ambient temperature: +40°C MAX
Thermal insulation class: B/130°C or F/155°C
Protection against direct and indirect contact: class I
Winding material: copper
Standards: EN61558-2-13

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:

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

The result will make it possible to find the size of the required autotransformer in the following table. AUTT series for general uses are manufactured on demand.



Code	Core power handling	Length L (mm)	Depth P (mm)	Height H (mm)	Fixing		Weight (Kg)
					X	Y	
AUTT25BXX	200	150	80	155	125	56	5
AUTT30BXX	300	150	90	155	125	66	6
AUTT50BXX	500	180	90	180	150	60	7
AUTT63BXX	630	180	100	180	150	70	8,5
AUTT80BXX	800	180	110	180	150	80	10,5
AUTT90BXX	900	180	120	180	150	90	12
AUTT10CXX	1000	180	135	180	150	105	14,5
AUTT16CXX	1600	240	120	230	200	95	20
AUTT20CXX	2000	240	120	230	200	95	21
AUTT25CXX	2500	240	130	230	200	105	25
AUTT30CXX	3000	240	145	230	200	120	30
AUTT40CXX	4000	300	160	290	250	112	36
AUTT50CXX	5000	300	170	290	250	122	45
AUTT60CXX	6000	300	180	290	250	132	53
AUTT70CXX	7000	300	190	290	250	142	54
AUTT80CXX	8000	300	190	290	250	142	56
AUTT90CXX	9000	360	180-220	350	325	144	78
AUTT10DXX	10000	360	190-230	350	325	154	83
AUTT12DXX	12000	420	240	420	375	150	110
AUTT14DXX	14000	420	250	420	375	160	120
AUTT16DXX	16000	420	260	420	375	170	132
AUTT18DXX	18000	420	260	420	375	170	140
AUTT20DXX	20000	480	300	480	423	175	155
AUTT23DXX	23000	480	310	480	423	185	170
AUTT25DXX	25000	480	320	480	423	195	190
AUTT30DXX	30000	480	330	480	423	205	210
AUTT35DXX	35000	480	340	480	423	205	220
AUTT40DXX	40000	480	350	480	423	215	235
AUTT50DXX	50000	600	350	600	560	220	300
AUTT60DXX	60000	600	360	600	560	230	340
AUTT70DXX	70000	600	370	600	560	240	390
AUTT80DXX	80000	600	380	600	560	250	420
AUTT10KXX	100000	600	390	600	560	160	460