

Three phase Autotransformer Neutral generator



The Torytrans three-phase autotransformers Neutral generators are used to generate an artificial neutral in all those installations that do not have a neutral and need to connect single phase loads between phase-neutral.


The neutral generated for single-phase loads must not exceed a maximum imbalance between phases of 33%.

Series ATNC: in metal enclosure IP-23 protection degree, resin polyester-epoxy powder coated with excellent physical-mechanical and anti-corrosive properties. Type II enclosure includes wheels.

Series ATNS: open autotransformer IP-00, vacuum impregnation with dielectric varnish high binding power with special properties that protect windings and magnetic core against dust and humidity.

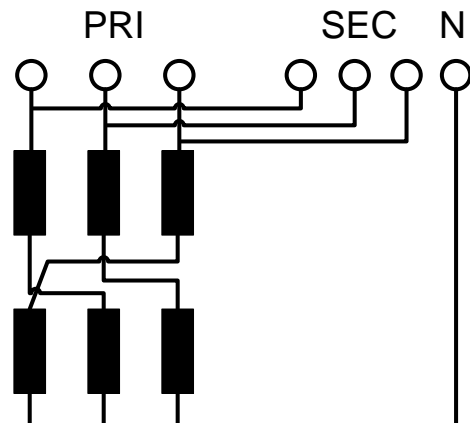
Connection by screw terminals blocks or flat busbars.

Technical Characteristics

Power rating	3 ÷ 100 kVA
Input voltage	3 x 400 V
Output voltage	3 x 400 V + N
Connection group	ZN0
Frequency	50/60 Hz
Ambient temperature	40 °C (series ATNS) 30 °C (series ATNC)
Insulation class	F (155 °C)
Protection degree	IP-00 (series ATNS) IP-23 (series ATNC)
Safety class	Class I 
Voltage test	3 kV
Standard	IEC/UNE-EN 61558-1 IEC/UNE-EN 61558-2-13



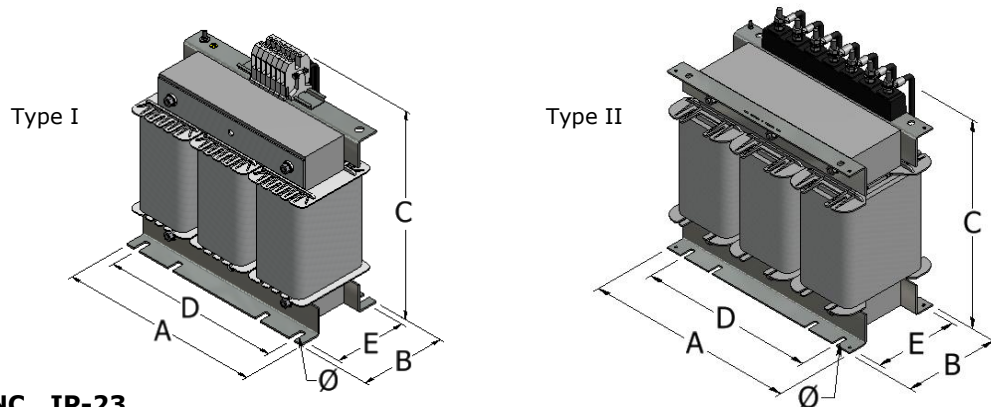
Electrical diagram



Series ATNS IP-00

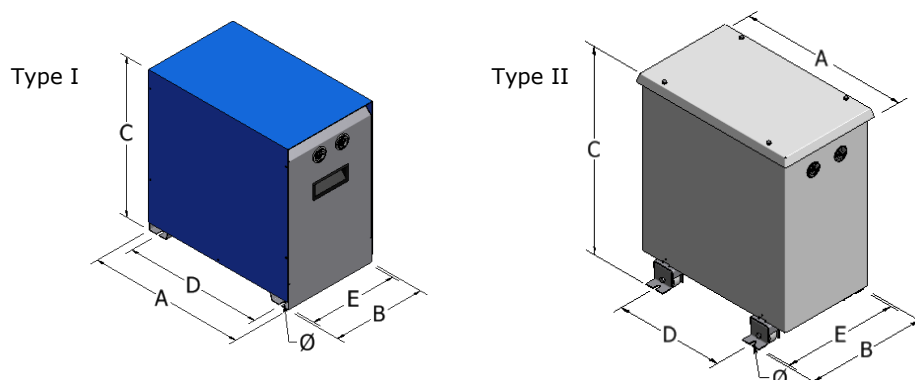
Total Rating III kVA	Load Rating II kVA	Reference	Dimensions mm						Weight kg	Type
			A	B	C	D	E	Ø		
3	1	ATNS003	180	170	240	140	100	7	10	I
5	1,6	ATNS005	240	155	270	200	85	7	15	I
8	2,6	ATNS008	300	165	310	200	95	11	22	I
10	3,3	ATNS010	300	180	310	200	100	11	25	I
12	4	ATNS012	300	190	320	200	110	11	30	I
16	5,3	ATNS016	300	210	320	200	130	11	38	I
20	6,6	ATNS020	360	190	375	320	110	11	45	I
25	8,3	ATNS025	360	210	375	320	130	11	58	I
31	10,3	ATNS031	360	230	380	320	150	11	70	I
40	13,3	ATNS040	420	210	430	350	130	11	77	I
50	16,6	ATNS050	420	240	435	350	160	11	105	I
63	21	ATNS063	480	240	490	400	160	11	135	II
80	26,6	ATNS080	480	220	490	400	140	11	150	II
100	33,3	ATNS100	655	240	595	400	160	13	180	II

* All values show maximum dimensions.



Series ATNC IP-23

Total Rating III kVA	Load Rating II kVA	Reference	Dimensions mm						Weight kg	Type
			A	B	C	D	E	Ø		
3	1	ATNC003	300	185	305	265	165	7	15	I
5	1,6	ATNC005	300	185	305	265	165	7	20	I
8	2,6	ATNC008	370	225	375	325	205	7	30	I
10	3,3	ATNC010	370	225	375	325	205	7	33	I
12	4	ATNC012	370	225	375	325	205	7	38	I
16	5,3	ATNC016	370	225	375	325	205	7	46	I
20	6,6	ATNC020	475	345	520	320	320	10	53	II
25	8,3	ATNC025	475	345	520	320	320	10	71	II
31	10,3	ATNC031	475	345	520	320	320	10	83	II
40	13,3	ATNC040	545	385	615	350	360	10	93	II
50	16,6	ATNC050	545	385	615	350	360	10	121	II
63	21	ATNC063	615	425	690	400	400	10	155	II
80	26,6	ATNC080	615	425	690	400	400	10	170	II
100	33,3	ATNC100	775	575	940	400	550	10	215	II



* Other features, power, voltage, etc., on request.

* Torytrans reserves the right to modify the information in any time and without prior notice.