



Neutral generator Autotransformer **Series ATCN** 400V

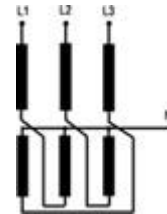
Creating a Neutral Line

In many countries, worldwide, electricity is not always supplied with a neutral line. Where a single-phase line is present, the addition of the neutral can be helpful also for stability creation in unbalanced loads.

There are various possibilities:

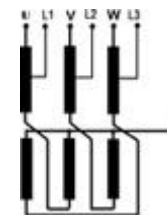
- if there is a need to separate loads from a power supply, a transformer with a secondary can be installed, thus creating a stable neutral.
- if separation is not needed or requested, an autotransformer with a neutral creator can be installed.

The autotransformer is actually a reactor with a zig zag connection.



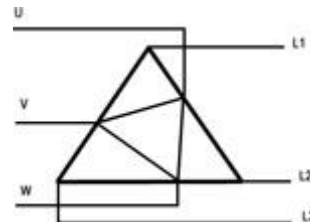
Neutral creation and power adaptation

If it is necessary to adapt the power from 220 to 400, it is possible with an autotransformer, with simple or dual Zig Zag connections.



Triangle Connection

Three-phase autotransformers are almost entirely built with a star connection, but in some cases can be built with a triangle connection, but in the latter case the transferred power is a bit lower.



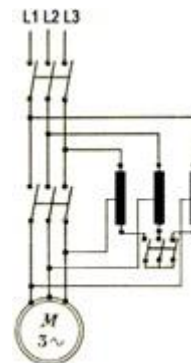
Motor start up

Motor start up autotransformers are efficient for motor take-off current limitation, mainly with medium and high powered motors.

They can be supplied with one or more sockets, which serve for gradual start ups, reducing and easing the current take-offs.

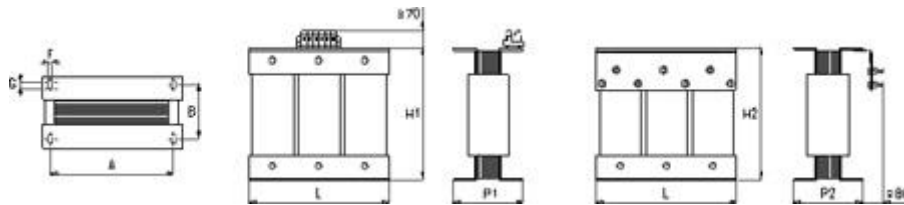
Once the start up has been made, the autotransformer disconnects, thus limiting the working time to tenths of a second.

When ordering, please mention the exact connection time, the number of start ups in an hour and how many steps are needed.



Dimensions and drillings

Reference Number	Rated Output (VA)	Dimensions			Drillings		In A	Weight (Kg)	Fig. n°
		L	P	H	A	B			
ATTN 012	12000	300	150	260	250	123	17,32	31	4
ATTN 015	15000	300	160	260	250	133	21,65	36	4
ATTN 020	20000	300	180	260	250	153	28,87	45	4
ATTN 022	22000	300	180	260	250	153	31,76	46	4
ATTN 025	25000	300	190	260	250	163	36,09	51	4
ATTN 030	30000	360	190	310	325	127	43,30	60	4
ATTN 040	40000	360	210	310	325	147	57,74	73	5
ATTN 050	50000	420	210	360	375	146	72,17	85	5
ATTN 060	60000	420	220	360	375	156	86,61	98	5
ATTN 080	80000	420	240	360	375	176	115,47	117	5
ATTN 100	100000	420	270	360	375	206	144,34	144	5



The data indicated could change without notice