Low voltage 10 - 160kVA, IP34 or IP44

Type 3LT-34 or 3LT-44

Capsulated three-phase non short-circuit proof transformer with power range from 10 to 160 kVA. Designed and tested according to EN61558-2-4, EN61558-2-6 & IEC60726. Standard types supplied with separate primary and secondary windings. This generates "a new system" in which any earth faults are eliminated. Steel enclosure, IP34 or IP44, protects the transformer against hostile environment such as small particles and splash water.

Applications:

This is an ideal design for transforming voltage up or down or for installations which require a galvanic partition between the primary and secondary voltage. Protects installations and equipment by generating "a new system" in which any earth faults are eliminated. E.g. electric motor, compressor, cooling plants, automatic washing machines, and to uphold IT or TN-S systems. Custom designed types with other voltages, frequencies, electrostatic shield between primary and secondary, regulations, tappings, transport wheels or other features are available upon request.

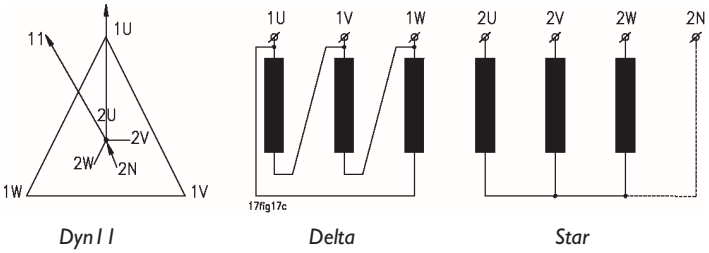
Standard types supplied with enclosure in steel with cable glands (FL21). To access terminals, only the lid has to be dismantled. Sidewalls mounted to the bottom with screws.

Technical specifications

▪ Input voltage:	3x115 to 3x1000V
▪ Frequency:	47-63Hz
▪ Output voltage:	3x115 to 3x1000V
▪ Vector group:	Dyn11 (standard)
	Dyn5, Ynd1, Ynd5
▪ According to:	EN61558-2-4
	low voltage directive
▪ Test voltage:	3kV AC RMS
▪ Construction class:	I
▪ Insulation class:	F (155°C)
▪ Ambient temp. (t_a):	45°C
▪ Degree of protection:	IP34 or IP44
▪ Type of termination:	Terminal block

Can be supplied with Cu-bars termination depending on voltage/current.

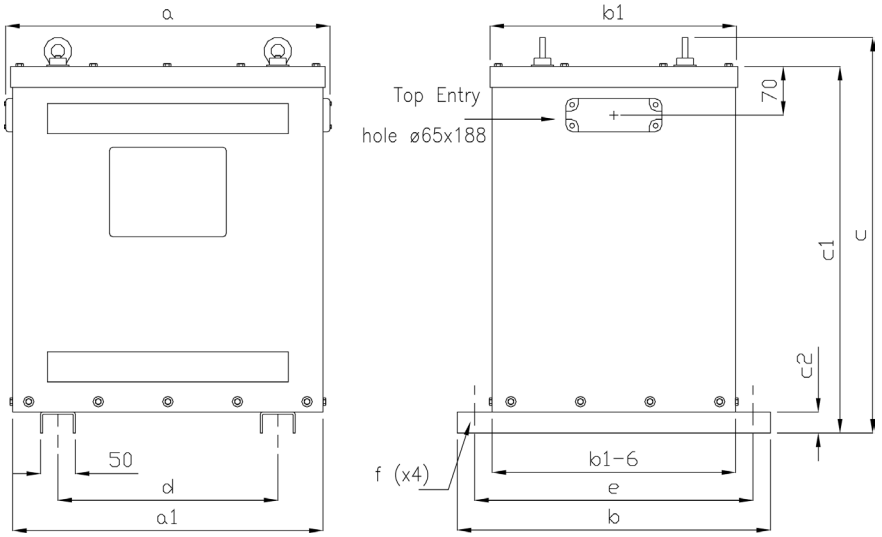
Standard vector group



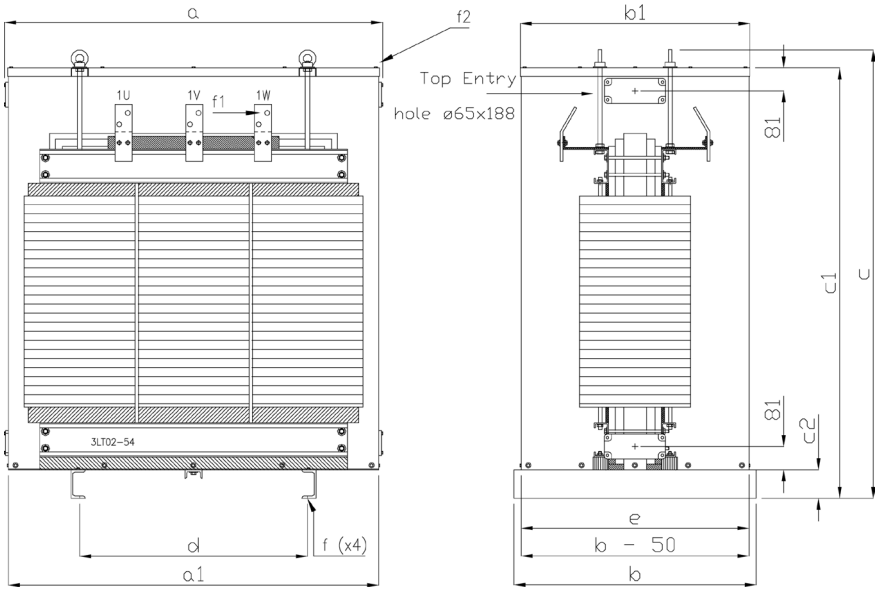
Dyn11 *Delta* *Star*

Noratel declare and guarantee that all transformers are designed according to the following standards; EN61558-2-4:1997, EN55014:1993 (EN55014-1:1997), EN61000-3-2:1995, EN61000-3-3:1995, EN55104:1995, (EN55014-2:1997), EN50081-1:1992, EN50082-2:1995 based on the following directives; L.V.D 73/23/EEC, 93/68/EEC, EMC 89/336/EEC, 91/263/EEC.

Dimensions



3LT12,5 - 3LT30



3LT40 - 3LT200

Standard types 3LT-34 & 3LT-44

Power (kVA)		Type	Dimensions (mm)										Weight (Kg)
Cl. F	Cl. H		a	b	c	a1	b1	c1	c2	d	e	f	
10	11	3LT12,5	452	450	575	446	356	525	30	316	400	15.0	105
12,5	14	3LT16	452	450	575	446	356	525	30	316	400	15.0	135
16	18	3LT20	452	450	575	446	356	525	30	316	400	15.0	160
20	22	3LT25	630	520	827	600	476	770	50	340	470	14.0	165
25	28	3LT30	630	520	827	600	476	770	50	340	470	14.0	185
30	33	3LT40	630	520	827	600	476	770	50	340	470	14.0	205
40	45	3LT50	630	520	827	600	476	770	50	340	470	14.0	250
50	56	3LT63	660	520	877	630	476	820	50	360	470	14.0	300
63	70	3LT80	660	520	877	630	476	820	50	360	470	14.0	355
80	89	3LT100	870	630	1057	840	586	1000	100	590	580	18.0	430
100	110	3LT125	870	630	1057	840	586	1000	100	590	580	18.0	490
125	138	3LT160	990	700	1137	960	656	1080	100	590	650	18.0	645
160	175	3LT200	990	700	1137	960	656	1080	100	590	650	18.0	735