

### ***Norateel Datasheets***

The data presented in this datasheet is approximate and offered as a guideline only for the various types and sizes of transformer available from Noratel. Such data can vary depending on the transformer configuration and application and where critical, information should always be obtained from the data sheets accompanying any specific product. Please contact Noratel if your application requires any specific performance criteria or if you need any application or performance advice on any of our products.

# Low loss & low inrush transformers, IP20

## Type 3RT-LI

High-efficiency 3-phase transformers with no inrush current. 3RT-LI transformers ensures optimal utilization of the electric installation, and provide extensive savings concerning installation and running costs.

The LI transformers have, in addition to no inrush current, extremely low losses and reduced weight/dimensions in relation to our standard 3-phase transformers.

Standard types supplied with separate primary and secondary windings. This generates "a new system" in which any earth faults are eliminated. Steel plate enclosure, degree of protection IP20.

### Applications:

For transforming voltage up or down or for installations which require a galvanic partition between the primary and secondary voltage.

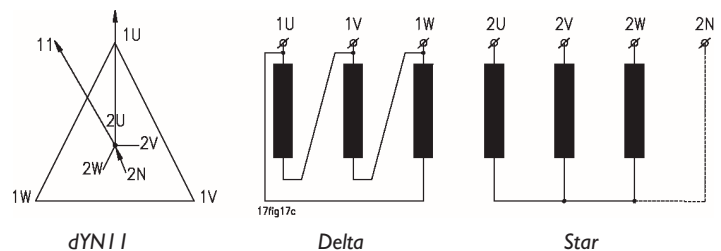
### Technical specifications

- Input voltage: 3x230 V
- Frequency: 47-63 Hz
- Output voltage: 3x400 V
- Vector group: dYN 11
- According to: EN61558-2-4
- Test voltage: 4,2 kV AC RMS
- Construction class: I
- Insulation class: B (130°C)
- Ambient temp. ( $t_a$ ): 40°C
- Degree of protection: IP20
- Type of termination: Terminal block



- **Groundbreaking new transformer design!**
- **Optimum utilization of the installation**  
Very low inrush current!
- **Cost effective** - Lower installation costs and lower running costs
- **Environmentally friendly, a green alternative** - Low loss construction reduces energy consumption
- **Space saving** - Compact footprint

### Standard vector group:



Type	Power	Current ( $I_n$ 400 V)	Fe-loss	Cu-loss	Dimensions (LxBxH)	Weight	Art. no.
<b>Standard types 3x230 V / 3x400 V - IP20</b>							
3RT 4.0LI-230/400-20	4,0 kVA	5,8 A	15 W	180 W	428x152x430 mm	50 kg	3-040-000087
3RT 6.3LI-230/400-20	6,3 kVA	9,1 A	27 W	259 W	610x171x850 mm	83 kg	3-040-000067
3RT 10.0LI-230/400-20	10,0 kVA	14,4 A	47 W	372 W	610x171x850 mm	110 kg	3-040-000068
3RT 12.5LI-230/400-20	12,5 kVA	18,1 A	39 W	381 W	674x172x850 mm	130 kg	3-040-000069
3RT 16.0LI-230/400-20	16,0 kVA	23 A	48 W	468 W	674x172x850 mm	150 kg	3-040-000066
3RT 20.0LI-230/400-20	20,0 kVA	28,8 A	60 W	532 W	749x236x1050 mm	195 kg	3-040-000071
3RT 25.0LI-230/400-20	25,0 kVA	36 A	79 W	590 W	749x236x1050 mm	226 kg	3-040-000072
3RT 30.0LI-230/400-20	30,0 kVA	43,5 A	83 W	560 W	749x236x1050 mm	270 kg	3-040-000073