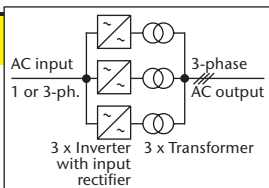


Frequency Converters (AC / AC Inverters) with 3-phase output

Features

- AC input: 1 or 3-phase, 47 – 400 Hz
- AC output: 200 / 400 / 480 V, 3-phase
- 40 – 400 Hz or fixed frequency (crystal stabilized)
- Sine wave
- Continuous short circuit protection
- Thermal shutdown with auto restart for inverter systems > 2 kVA
- Industrial grade components
- Suitable for complex load
- Surge power capability
- Unsymmetrical load permissible
- Modular system with interchangeable inverters



Series IV Switch mode inverters with output transformers for isolation and voltage transformation

Input VAC 1-Phase	Output kVA	Size	Input VAC 1-Phase	Input VAC 3-Phase			Output kVA	Size	Cooling	Output VAC line-to-line
115 ±20%			230 ^{+15%} _{-20%}	3x200 ^{+15%} _{-20%}	3x400 ^{+15%} _{-20%}	3x480 ^{+10%} _{-15%}				
IV 5566	1.5	A	IV 5586	IV 5566 V			1.8	A		3 x 200
IV 5666	3	C	IV 5686	IV 5666 V	IV 5686 V		3.6	C		
IV 5766	3.6	D+T1	IV 5786	IV 5766 V	IV 5786 V	IV 5796 V	5.4	D+T2		
IV 5866	6	E+T2	IV 5886	IV 5866 V	IV 5886 V	IV 5896 V	7.5	E+T3		
					IV 5886 VF	IV 5896 VF	10	F+T4		
IV 6266	9	G+T3	IV 6286	IV 6266 V	IV 6286 V	IV 6296 V	15	G+T5		
IV 6466	15	G+T5	IV 6486	IV 6466 V	IV 6486 V	IV 6496 V	24	G+T6		
					IV 6686 V	IV 6696 V	36	G+T7		
IV 5568	1.5	A	IV 5588	IV 5568 V			1.8	A		3 x 400
IV 5668	3	C	IV 5688	IV 5668 V	IV 5688 V		3.6	C		
IV 5768	3.6	D+T1	IV 5788	IV 5768 V	IV 5788 V	IV 5798 V	5.4	D+T2		
IV 5868	6	E+T2	IV 5888	IV 5868 V	IV 5888 V	IV 5898 V	7.5	E+T3		
					IV 5888 VF	IV 5898 VF	10	F+T4		
IV 6268	9	G+T3	IV 6288	IV 6268 V	IV 6288 V	IV 6298 V	15	G+T5		
IV 6468	15	G+T5	IV 6488	IV 6468 V	IV 6488 V	IV 6498 V	24	G+T6		
					IV 6688 V	IV 6698 V	36	G+T7		
IV 5569	1.5	A	IV 5589	IV 5569 V			1.8	A		3 x 480
IV 5669	3	C	IV 5689	IV 5669 V	IV 5689 V		3.6	C		
IV 5769	3.6	D+T1	IV 5789	IV 5769 V	IV 5789 V	IV 5799 V	5.4	D+T2		
IV 5869	6	E+T2	IV 5889	IV 5869 V	IV 5889 V	IV 5899 V	7.5	E+T3		
					IV 5889 VF	IV 5899 VF	10	F+T4		
IV 6269	9	G+T3	IV 6289	IV 6269 V	IV 6289 V	IV 6299 V	15	G+T5		
IV 6469	15	G+T5	IV 6489	IV 6469 V	IV 6489 V	IV 6499 V	24	G+T6		
					IV 6689 V	IV 6699 V	36	G+T7		

= natural convection = temperature controlled fans

Frequency Designation (output)

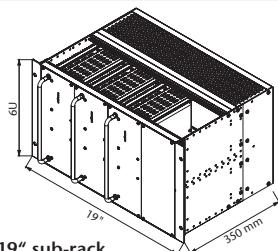
.1	40 - 400 Hz adjustable / programmable
.2	45 - 65 Hz adjustable / programmable
.3	any fixed frequency between 40 - 400 Hz
.4	400 Hz
.5	50 Hz
.51	synchronized with 50 Hz mains
.6	60 Hz
.61	synchronized with 60 Hz mains
.7	50/60 Hz switchable

Assistance in table use:

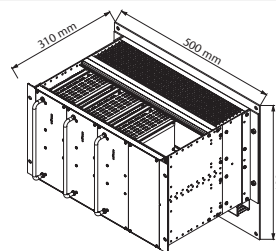
- 1 Select the column for input voltage range.
- 2 Select the row for the appropriate output voltage and power.
- 3 The intersection of both results in the module required.
- 4 Add the required frequency designation to the part number.

For example:

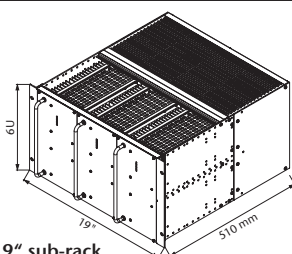
- 1 input voltage = 3 x 200 VAC, 60 Hz
- 2 output voltage = 3 x 400 VAC, 400 Hz @ 6 kVA
- 3 results in a IV 5868 V
- 4 for 400 Hz add .4, i.e. IV 5868 V.4

**Size A**

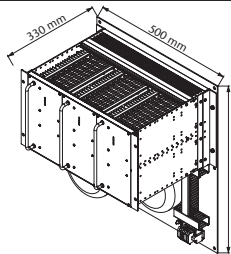
19" sub-rack
including pluggable inverters and transformers,
approx. 27 kg



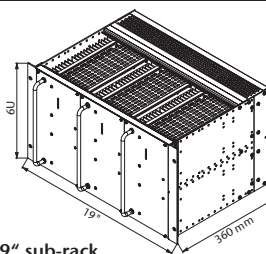
with wall plate (optional)
approx. 31 kg



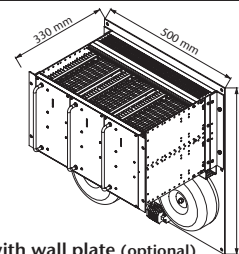
19" sub-rack
including pluggable inverters and transformers,
approx. 40 kg

Size C

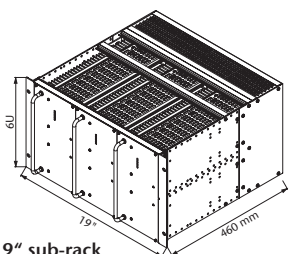
with wall plate (optional)
approx. 45 kg



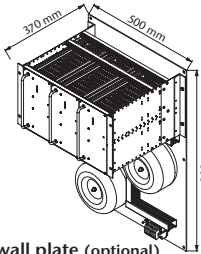
19" sub-rack
including pluggable inverters, approx. 24 kg
(transformers external)

Size D

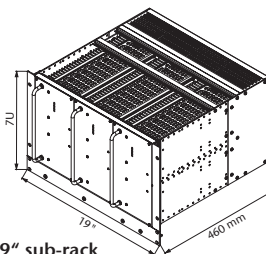
with wall plate (optional)
and transformers (T1/T2),
approx. 55/65 kg



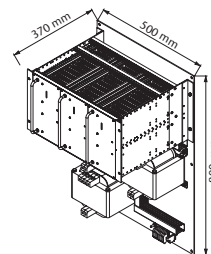
19" sub-rack
including pluggable inverters, approx. 27 kg
(transformers external)

Size E

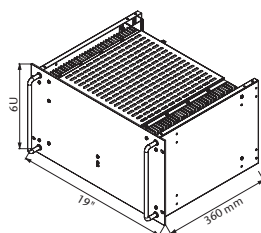
with wall plate (optional)
and transformers (T2/T3),
approx. 70/80 kg



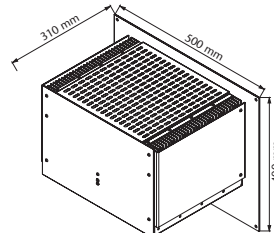
19" sub-rack
including pluggable inverters, approx. 28 kg
(transformers external)

Size F

with wall plate (optional)
and transformers, approx. 104 kg

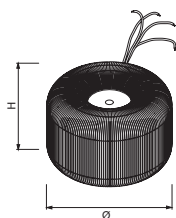
**Size G**

19" Plug-in module / approx. 32 kg



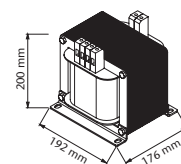
with wall plate (optional)
approx. 36 kg

Attention:
For 3-phase system
3 modules are required.

**Size T1 - T3**

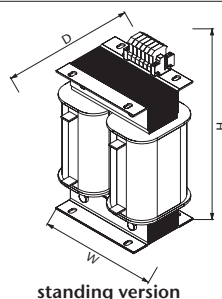
Trans- former	Ø in mm	H in mm	Weight in kg	Power in kVA
T1	190	75	8.6	1.4
T2	205	85	12	2
T3	243	85	15	3

Transformers refer to 50/60 Hz at the output. Other frequencies or tropical insulation may change size and weight.
Attention: For 3-phase system 3 transformers are required.

**Size T4**

approx. 23 kg / 3.4 kVA

Transformer refers to 50/60 Hz at the output. Other frequencies or tropical insulation may change size and weight.
Attention: For 3-phase system 3 transformers are required.

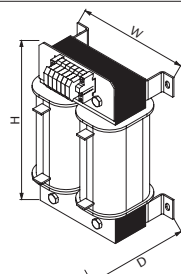


standing version

Size T5 - T7

Trans- former	H in mm	W in mm	D in mm	Weight in kg	Power in kVA
T5	390	240	233	33	5
T6	450	280	253	50	8
T7	450	280	283	66	12

Transformers refer to 50/60 Hz at the output. Other frequencies or tropical insulation may change size and weight.
Attention: For 3-phase system 3 transformers are required.



Wall mount version

Size T5 - T7

Trans- former	H in mm	W in mm	D in mm	Weight in kg	Power in kVA
T5	335	230	210	33	5
T6	390	260	240	50	8
T7	390	260	270	66	12

Transformers refer to 50/60 Hz at the output. Other frequencies or tropical insulation may change size and weight.
Attention: For 3-phase system 3 transformers are required.