

Auxiliary Inverter HTN 503 – 751 xx6 Pxx-xxx-xx

Technical Data

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Rated power:	42kVA to 69kVA
Input voltage:	600V / 750V DC (+ / -30%)
Output voltage:	0 ... 0,72 x U_{in} 3AC
Efficiency:	approx. 97%
Rated output current:	60A to 100A continuous
Overload:	125% for 60s
Output frequency:	0 to 500Hz
Dimensions (H x W x D):	645 x 365 300mm
Weight:	54 kg
Degree of protection:	IP 20
Cooling method:	Water cooling
Ambient temperature:	-25°C ... +40°C
Storage temperature:	-40°C ... +70°C



Operating modes:	Field-oriented current control, V/f operation On-board power supply, synchronized or isolated
Speed sensors:	Incremental encoder, resolver, Sin/cos encoder
Interfaces:	RS 232, RS 485, Profibus (Option), CAN (Option), Synchrolink (Option)
Control ports:	12 isolated digital inputs, 5 analog inputs 6 isolated digital outputs, 4 analog outputs,
Motor temperature:	KTY; PTC,

In combination with a VF series sinusoidal filter and a triphase isolating transformer out-of-balance capable three-phase on-board supply systems can be realized e.g. 400/230V 50/60Hz.

Auxiliary inverters HTN 503 are also available with higher degree of protection, mounted in cabinets or customer-specific containers.