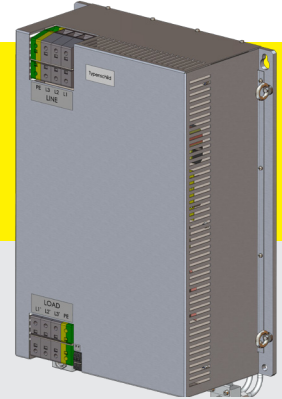




Water-cooled AFE filters

for mobile applications



Advantages

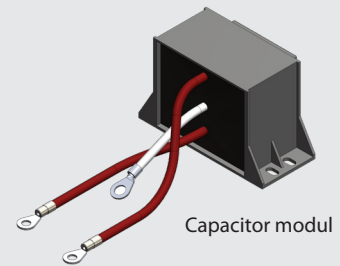
- + No wiring by the customer between inductors and capacitors necessary
- + With Y capacitors in the intermediate circuit it can be connected to any TT, TN, TN-S, TN-CS network without an isolating transformer
- + For battery applications the AFE filter is also suitable for battery applications

Use

- + For complex systems with any number of DC servo controllers
- + and very long cable lengths

Components

- + Push-pull filter
- + Common mode filter
- + EMC component
- + Optional: Capacitor module



Capacitor modul



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lighter



more efficient




reduced price

If you have any further questions don't hesitate to contact us. Just give us a call – we'd be happy to help!

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 Get the Power.
Turn it on.



Current eff. ED 100%	water-cooled AFE-filter – the all in one filter				Capacitor modul for 50 -180 A
	50 A	80 A	140 A	180 A	
Item Number	14207C	16437B	15105D	16000B	14720B
Length in mm	553	553	640	761	94
Width in mm	385	385	490	550	50
Height in mm	194	219	222	265	59
Weight in kg	42	58	105	154	0.4
Max. peak current in A	3.6x In	2.5x In			
AFE unit losses in watts	400	480	920	960	
Frequency	50/60 Hz				50/60 Hz
Voltage	3x 380-480 V AC				3x 380-480 V AC
Max. DC link voltage	800 V DC				800 V DC
Switching frequency	> 8 KHz	> 8 KHz	> 8 KHz	> 4 KHz	
Max. ambient temperature	60°C				60°C
Temperature monitoring	Temperature switch 155°C NC on terminals				
Norm	EN61558-2-20				EN61071
UL					according to UL508C
Cooling AFE-filter	WF				AN
Water flow rate	8-10 l/min				
Max. Operating pressure	< 5 bar				
Protection class	IP20 (IP54 in development)				IP44
Connections for IP54	connection to terminals inside, outside cable lug (different from picture)				
EMC category	C3				
Protection class	I				II
IP 20 suitable for installation in a control cabinet without additional cooling (IP54 on request)					



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