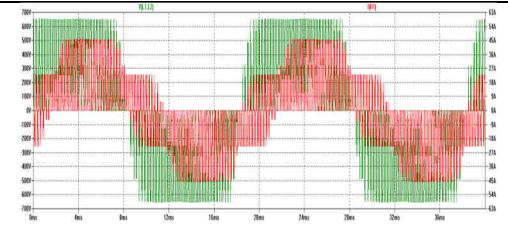
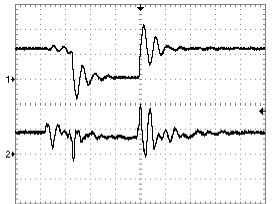
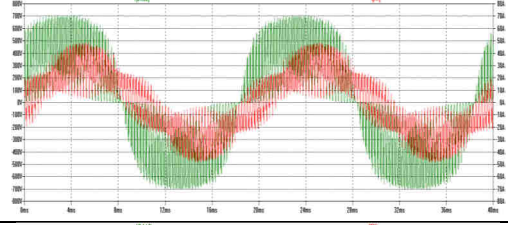
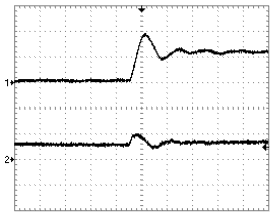
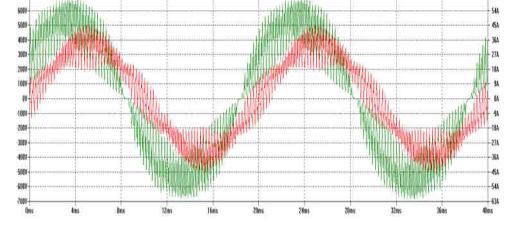
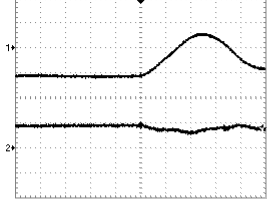
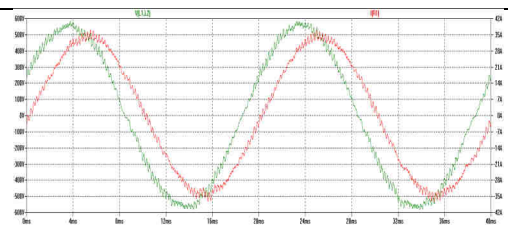
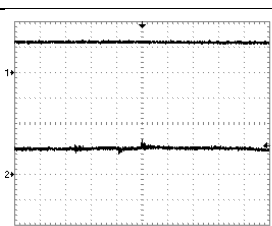


Comparison of the output signal of the output chokes

Output choke	Current- (CH1) and Voltage curve (CH2) at the output of the converter or the choke	- Voltage edge(CH1) at the motor - Reversal current (CH2) at the beginning of the shielded cable to the motor	Effect on voltage edge and recharging current to the motor
Without Output choke			$dv/dt > 6kV/\mu s$ $U_{max} = 1200V$ - THDI : 76,16%
dv/dt - choke Type: CNW 806			$dv/dt < 500V/\mu s$ $U_{max} = 950V$ - THDI : 50,03%
Motor choke Type: CNW 854			$dv/dt < 200V/\mu s$ $U_{max} = 950V$ - THDI : 24,31%
Sine filter Type: CNW 933			- Similar to mains operation - optimal result - THDI: 4,28%

Recommendations for use of our output chokes

Output choke type	Cable length to the motor < 50m	Cable length to the motor 50m – 150m	Cable length to the motor > 150m
Switching frequency of the inverter < 2,5 kHz	CNW 811 / I[A] CNW 806 / I[A] CNW 854 / I[A]	CNW 854 / I[A]	CNW 933 / I[A]
Switching frequency of the inverter 2,5 kHz – 8kHz	CNW 811 / I[A] CNW 806 / I[A] CNW 854 / I[A]	CNW 854 / I[A]	CNW 933 / I[A]
Switching frequency of the inverter 8 kHz – 16kHz	CNW 854 / I[A] CNW 933 / I[A]	CNW 933 / I[A]	CNW 933 / I[A]

For additional information please refer to the corresponding data sheets!