Frequency	Magnetic Material	Low-Leakage Inductance Resonant Converter	High-Leakage Inductance Non-Resonant Converter
< 1 kHz	**Silicon-Steel (FeSi)**		**Traction,** 75 **kVA** 400 Hz, Bare 340 µH, Oil [Hugo et al., 2007]
1 kHz to 25 kHz	**Nanocrystalline**	**Traction,** 350 **kVA** 10 kHz, Coaxial < 50 kg, 3 µH, Water [Heinemann, 2002]	**General,** 10 **kVA** 20 kHz, Litz wire 1.6 µH + L_{ext} 21 µH [Akagi and Inoue, 2006]
		Traction, 500 **kW** 8 kHz, Coaxial 2.3 µH, Water, 18 kg [Steiner and Reinold, 2007]	***Traction,*** *1* ***MVA*** *4 kHz, Litz wire* *215 µH, 148 kg, Cyclo* [Kjellqvist et al., 2004]
	Amorphous	**General,** 50 **kW** 25 kHz, Interleaved Foils 3 µH + L_{ext} 37 µH [Pavlovsky et al., 2005]	***Wind,*** 280 ***kVA*** *1.2 kHz, Coaxial* *251 nH, Passive Rectifier* [Prasai et al., 2008]
			Wind, *1* ***MW*** *10 kHz, HV Litz wire* *50 µH, Passive Rectifier* [Morren et al., 2001]
> 25 kHz	**Ferrite**		**Wind,** 3.6 **kW** 50 kHz, Litz wire 14 µH, Passive Rectifier [Morren et al., 2001]
			General, 50 **kW** 50 kHz, Coaxial 1.6 µH [Kheraluwala et al., 1992]
			Drives, 25 **kW** 50 kHz, Litz wire 2.2 mH, Forced Air [Aggeler et al., 2008]