

Fig. 1 Magnetostriction of 30RGH105N and 30RGH105 as a function of excitation flux density

Table 2 Specifications of model transformer core

Joint geometry		Step lap (6 steps)
Core size	(mm)	750 × 750 × 40
Lap width	(mm)	2 × 5
Number of sheets per step		2
Number of stacked sheets		108
Core weight	(kg)	ca. 100

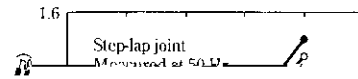


Table 3 Model transformer performance of 30RGH105N and 30RGH110

Model	Material	Core Size	Winding	Loss	Efficiency	Temperature
30RGH105N	30RGH105N	105	1000	0.15	98.5	65
30RGH110	30RGH110	110	1000	0.18	98.2	65