

## SmCo magnets magnetic characteristics

	Grade	Remanence Br	Coercive Force HcB	Intrinsic Coercive Force Hcj	Max. Energy kJ/m <sup>3</sup>	Max. Working Temp. °c
		T min. T max.	KA/m	KA/m	min.	recommended
SmCo <sub>5</sub>	XG16	0.77-0.86	613-716	≥1194	120-143	250
	XG16H	0.77-0.86	613-716	≥1592	120-143	250
	XG18	0.81-0.92	637-756	≥1194	135-159	250
	XG18H	0.81-0.92	637-756	≥1592	135-159	250
	XG20	0.85-0.95	637-756	≥1194	151-175	250
	XG20H	0.85-0.95	637-756	≥1592	151-175	250
	XG22	0.89-1.00	661-772	≥1194	167-191	250
	XG22H	0.89-1.00	661-772	≥1592	167-191	250
Sm <sub>2</sub> Co <sub>17</sub>	XGS24m	0.92-1.04	318-788	398-1194	175-199	350
	XGS24	0.92-1.04	661-796	1194-1990	175-199	350
	XGS24H	0.92-1.04	661-804	≥1990	175-199	350
	XGS26M	1.00-1.06	318-796	398-1194	191-215	350
	XGS26	1.00-1.06	677-820	1194-1990	191-215	350
	XGS26H	1.00-1.06	677-820	≥1990	191-215	350
	XGS28M	1.04-1.10	318-804	398-1194	207-231	350
	XGS28	1.04-1.10	677-820	1194-1990	207-231	350
	XGS28H	1.04-1.10	677-820	≥1990	207-231	350
	XGS30M	1.07-1.12	318-804	398-1194	223-247	350
	XGS30	1.07-1.12	700-828	1194-1990	223-247	350
	XGS30H	1.07-1.12	700-828	≥1990	223-247	350
	XGS32M	1.09-1.15	318-804	398-995	231-255	350
	XGS32	1.09-1.15	716-836	≥995	231-255	350
Low temp.	XGS22LT	0.90-0.99	677-756	≥1194	159-183	350
	XGS24LT	0.92-1.02	677-756	≥1194	175-199	350