

Magnetic Properties of Sintered SmCo Magnets--Chinese Standard

Grade	Remanence Br		Coercive force Hcb		Intrinsic Coercive force Hcj		Maximum Energy (BH)max		Tc.	Tw.	Remarks
	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³	°C	°C	
YX-16	8.10-8.50	0.81-0.85	7.80-8.30	620-660	15-23	1194-1830	14-16	110-127	750	250	1:5
YX-18	8.50-9.00	0.85-0.90	8.30-8.80	660-700	15-24	1194-1830	16-18	127-143	750	250	
YX-20	9.00-9.40	0.90-0.94	8.50-9.10	680-725	15-25	1194-1831	19-21	150-167	750	250	
YX-22	9.20-9.60	0.92-0.96	8.90-9.40	710-750	15-26	1194-1832	20-22	160-175	750	250	
YX-24	9.60-10.00	0.96-1.00	9.20-9.70	730-770	15-27	1194-1833	22-24	175-190	750	250	
YX-20S	9.00-9.40	0.90-0.94	8.50-9.10	680-725	18-23	1433-1830	18-20	143-160	750	250	
YX-22S	9.20-9.60	0.92-0.96	8.90-9.40	710-750	18-23	1433-1830	20-22	160-175	750	250	
LTC(YX-10)	5.90-6.30	0.59-0.63	5.80-6.20	460-493	18-23	1430-1830	8.5-10	68---80	700	250	
YX-12	7.00-7.40	0.70-0.74	4.50-4.90	358-390	4.5-6	358-478	10-13	80-103	450	200	
YXG-24H	9.50-10.20	0.95-1.02	8.70-9.40	700-750	≥25	≥1990	22-24	175-191	800	350	2:17
YXG-26H	10.20-10.50	1.02-1.05	9.40-9.80	750-780	≥25	≥1990	24-26	191-207	800	350	
YXG-28H	10.30-10.80	1.03-1.08	9.50-10.00	756-796	≥25	≥1990	26-28	207-220	800	350	
YXG-30H	10.80-11.00	1.08-1.10	9.90-10.50	788-835	≥25	≥1990	28-30	220-240	800	350	
YXG-24	9.50-10.20	0.95-1.02	8.70-9.40	700-750	≥18	≥1433	22-24	175-191	800	300	
YXG-26	10.20-10.50	1.02-1.05	9.40-9.80	750-780	≥18	≥1433	24-26	191-207	800	300	

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	KGs	T	KOe	KA/m	KOe	KA/m	MGOe	KJ/m ³	°C	°C	
YXG-28	10.30-10.80	1.03-1.08	9.50-10.00	756-796	≥18	≥1433	26-28	207-220	800	300	2:17
YXG-30	10.80-11.00	1.08-1.10	9.90-10.50	788-835	≥18	≥1433	28-30	220-240	800	300	
YXG-26M	10.20-10.50	1.02-1.05	9.40-9.80	750-780	12-16	955-1273	24-26	191-207	800	300	
YXG-28M	10.30-10.80	1.03-1.08	9.50-10.00	756-796	12-16	955-1273	26-28	207-220	800	300	
YXG-30M	10.80-11.00	1.08-1.10	9.90-10.50	788-835	12-16	955-1273	28-30	220-240	800	300	
YXG-28L	10.20-10.80	1.02-1.08	5.20-9.00	413-716	5.5-10	438---796	26-28	207-220	800	250	
YXG-30L	10.80-11.50	1.08-1.15	5.20-9.00	416-716	5.5-10	438---796	28-30	220-240	800	250	
LTC(YXG-22)	9.40-9.80	0.94-0.98	8.40-9.00	688-715	15-20	1194-1591	21-23	167-183	840	300	

Note:

1. The data mentioned above of magnetic performance and physical properties are given at room temperature 20°C.
2. Curie temperature and temperature coefficient are for reference only, but not as an inspection items.
3. The max working temperature is changeable due to length-diameter ratio, coating thickness and environment factors.