



Icuc Corporation Japan

SNR 7211HG1UJ84 Precision Ball Bearings

Bearing No. 7211HG1UJ84

d	55 mm
D	100 mm
B	21 mm
d1	69 mm
D1	85.8 mm
D2	93.02 mm
a	29 mm
Contact angle	25 °
rs min	1.5 mm
r1s min	1 mm
f0	14.76
Precision class	P4
Mass	0.62 kg
Dynamic load, C	52.9 kN
Static load, C0	41 kN
Fatigue limit load, Cu	2.3 kN
Nlim (oil)	18,500 rpm
Nlim (grease)	12,500 rpm
Axial displacement K Factor	0.56
Preload level	8
Preload value	1.4 kN
Axial rigidity	300 N/ μ m
Radial rigidity	588 N/ μ m
Min operating temperature, Tmin	-30 ° C
Max operating temperature, Tmax	120 ° C

7211HG1UJ84 Bearing 2D drawings and 3D CAD models



Icuc Corporation Japan

Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.27 Hz
Characteristic outer ring frequency, BPF0	6.25 Hz
Characteristic inner ring frequency, BRFI	8.75 Hz
da min	63.5 mm
db min	63.5 mm
Da max	91.5 mm
Db max	91.5 mm
r1a max	1 mm
ra max	1.5 mm
D6	73.8 mm