

# KOYO UCFX08-24E bearing units

Our 18 mm B highly-skilled and factory-trained service experts have 90 mm d the resources to help you with all your KOYO UCFX08-24E bearing units needs – including routine maintenance, major repairs, warranty service, 125 mm D and equipment inspections.

d	90 mm
D	125 mm
B	18 mm
d1	101.9 mm
d2	99.3 mm
D1	113.1 mm
D2	118.5 mm
a	34.2 mm
Contact angle $\alpha$	25 °
rs min	1.1 mm
r1s min	0.6 mm
f0	16.7
Precision class	P42
Mass	0.56 kg
Dynamic load, C	39.5 kN
Static load, C0	43 kN
Nlim (oil)	15,300 rpm
Nlim (grease)	9,400 rpm
Preload level	GN
Preload value	0.39 kN
Axial rigidity	239.3 N/ $\mu$ m
Radial rigidity	515 N/ $\mu$ m

Min operating temperature, $T_{min}$	-20 °C
Max operating temperature, $T_{max}$	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	10.34 Hz
Characteristic outer ring frequency, BPF0	12.33 Hz
Characteristic inner ring frequency, BRFI	14.67 Hz
$d_a$ min	97 mm
$D_a$ max	118 mm
$D_b$ max	120.5 mm
$r_{1a}$ max	0.6 mm
$r_a$ max	1 mm
D6	102.4 mm