

Characteristics

Fixing type	flange	
Pipe connection	threaded ports	
Direction of rotation	clockwise or anticlockwise	
Mounting position	arbitrary (see dim. sheets)	
Weight	kg	2.2

Working Characteristics

Displacement (cm ³ /r)	V _g	0.5 / 0.8 / 1.0 / 1.6 / 2.0 / 2.5 / 3.0 / 4.0
Working pressure Inlet port	p _{e min} p _{e max}	-0.4 bar (-0.6 bar short for starting status) 2 bar
Working pressure Outlet port	p _{n min}	120 bar (depending on the pumping medium, viscosity and displacement)
Speed	n	3000 1/min (dependent by viscosity)
Viscosity	v _{min} v _{max}	= 10 mm ² /s = 20 000 mm ² /s
Media temperature	ϑ _{m max}	= 90 °C NBR = 150 °C FKM = 200 °C PTFE (rotary shaft seal)
Ambient temperature	ϑ _{u min} ϑ _{u max}	= -20 °C = 60 °C

Available Pump Types

Pump type	Available sizes	Housing material	Bearing	Bearing material	Gear	Shaft seal	Non-ferrous metals
KF0/.../100	0.5 / 0.8 / 1.0 / 1.6 / 2.0 / 2.5 / 3.0 / 4.0	EN-GJL-250	Bearing bush	Steel ETG 100, chemically nickel plated with SiC inclusions	Steel 1.7139 chemically nickel plated with SiC inclusions	Rotary shaft seal NBR, FKM, PTFE	yes
KF0/.../107	0.5 / 0.8 / 1.0 / 1.6 / 2.0 / 2.5 / 3.0 / 4.0	EN-GJL-250	Bearing bush	Steel ETG 100, chemically nickel plated with SiC inclusions	Steel 1.7139 chemically nickel plated with SiC inclusions	Double rotary shaft seal NBR, FKM, PTFE	yes
KF0/.../212	0.5 / 1.0 / 2.0 / 4.0	EN-GJS-600 nitro carbonized; Flange cover EN-GJS-600 tenifer nitrided	Bearing bush	Steel ETG 100, chemically nickel plated with SiC inclusions	Tool steel, nitrided	Double rotary shaft seal FKM, FEP	yes