

Spindle Catalog

Article No.	.	106096	102197	103238
Spindle name	.	MFW-1920/24/1 VC HSK-A63	MFWS-1913/30/1 VC HSK-A63	MFW-1912/24/6 VC HSK-A63
Toolinterface	.	HSK-A63	HSK-A63	HSK-A63
Tool clamping system	.	hydraulic	hydraulic	hydraulic
Diameter	mm	190	190	190
Length	mm	525	440.2	440
Weight	kg	63	65	65
Operating position	.	any (tooladapter down)	any (tooladapter down)	any (tooladapter down)
Sense of rotation	.	left + right	left + right	left + right
Speed max.	rpm	24000	30000	24000
Frequency	Hz	800	1000	800
Power S1	kW	52	45	39
Speed fieldweakening	rpm	20000	13000	12000
Torque S1	Nm	45	32.8	35
Voltage S1 max.	V	438	360	380
Current S1 max.	A	110	110	110
Motor type	.	AC sync star	AC async star	AC async star
Bearing lubrication	.	grease	oil-air (DLS)	grease
Frontseal pressure	bar	2-3	2-3	2-3
Spindle cooling system	.	front + motor + rear	front + motor + rear	front + motor + rear
Spindle cooling medium	.	water- or oilbased fluid	waterbased fluid	waterbased fluid
Spindle shaft cooling	.	no	no	no
Speed control	.	vector control	vector control	vector control

