



Geared spindle CSG-50-300-S

Drive			
Power:	50 kW (S1)		65 kW (S6)
Nominal speed:	1.800 r.p.m. (i=1), 600 r.p.m. (i=3)		
Torque max.:	S1: 265 Nm (i=1), 795 Nm (i=3)	S6: 334 Nm (i=1), 1.022 Nm (i=3)	
Speed max.:	7.000 r.p.m.		
Motor type:	synchronous/8poles		
Power connection:	400 V/ 190 A (S1)		
Gear switch pressure:	100 bar		
Tool system:	HSK-A100		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/50 bar		
Clamping monitoring:	CyCon K 11		
Release pressure:	100 bar		
Tool cleaning:	Luft, 3-4 bar		
Spindle bearing:	<< >> >> Ø 100 Hybrid		
Bearing rigidity:	axial 660 N/µm, radial 897 N/µm		
Lubrication:	Grease (bearing and gear)		
Sealing:	with sealing air and labyrinth		
Encoder signal:	1 Vpp/384/128 teeth		
Spindle cooling:	liquid cooling (Antifrogen N/Tyfoacor)		
Power dissipation:	6 kW		
Cooling volume flow	20 l/min (3-8 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	1.500 cm ³ /min	Ø 88	M 56
Tool cooling			
Ext. Coolant supply:	8 Spray nozzles		
Int. Coolant supply:	optional (through spindle shaft)		
max. Pressure/Filter mesh:	70 bar (15 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

