



Geared spindle CSG-40-245-S

Drive			
Power:	40 kW (S1)		55 kW (S6)
Nominal speed:	2.100 r.p.m. (i=1), 700 r.p.m. (i=3)		
Torque max.:	S1: 190 Nm (i=1), 570 Nm (i=3)		S6: 236 Nm (i=1), 708 Nm (i=3)
Speed max.:	7.000 r.p.m.		
Motor type:	synchronous/8 poles		
Power connection:	400 V/ 90 A (S1)		
Gear switch pressure:	100 bar		
Tool system:	HSK-A100 (optional SK 50)		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/45 bar		
Clamping monitoring:	CyCon K 11 (option)		
Release pressure:	100 bar		
Tool cleaning:	Air, 4-6 bar		
Spindle bearing:	<< >> >> Ø 100 Hybrid		
Bearing rigidity:	axial 541 N/µm, radial 897 N/µm		
Bearing lubrication:	Grease		
Sealing:	with sealing air and labyrinth		
Encoder signal:	1 Vpp/384/128 teeth		
Spindle cooling:	liquid cooling (Antifrogen N/Tyfocon)		
Power dissipation:	4 kW		
Cooling volume flow:	15 l/min (3-8 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	1000 cm³/min	Ø 60	M 36
Tool cooling			
Ext. Coolant supply:	8 Spray nozzles		
Int. Coolant supply:	optional (through spindle shaft)		
max. Pressure/Filter mesh:	45 bar (25 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

