



**CySpeed**  
2.2.28

Geared spindle CSG-50-300

Drive			
Power:	50 kW (S1)		65 kW (S6)
Nominal speed:	3.000 r.p.m. (i=1), 1.000 r.p.m. (i=3)		
Torque max.:	S1: 160 Nm (i=1), 480 Nm (i=3)	S6: 207 Nm (i=1), 621 Nm (i=3)	
Speed max.:	10.000 r.p.m.		
Motor type:	asynchronous/6 poles		
Power connection:	400 V/ 110 A (S1)		
Gear switch pressure:	100 bar		
Tool system:	HSK-A100		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/45 bar		
Clamping monitoring:	CyCon K 11 (optional)		
Release pressure:	60-100 bar		
Tool cleaning:	Air, 4-6 bar		
Spindle bearing:	<< >> >> Ø 100 Hybrid		
Bearing rigidity:	axial 541 N/µm, radial 898 N/µm		
Bearing lubrication:	Grease		
Sealing:	with sealing air and labyrinth		
Encoder signal:	1 Vpp/256 teeth		
Spindle cooling:	liquid cooling (Antifrogen N/Tyfocon)		
Power dissipation:	5 kW		
Cooling volume flow:	approx. 15 l/min (3-8 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	900 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		

