



Milling spindle CS-42-180-S

Drive			
Power:	42 kW (S1)	53 kW (S6)	
Nominal speed:	2.000 r.p.m.		
Torque max.:	201 Nm (S1)	253 Nm (S6)	
Speed max.:	12.000 r.p.m.		
Motor type:	synchronous/ 8poles		
Power connection:	400 V/ 165 A (S1)		
Tool system:	HSK-A100		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/65 bar		
Clamping monitoring:	CyCon K 11-U / analog sensor		
Release pressure max.:	120 bar		
Tool cleaning:	air, 4-6 bar		
Spindle bearing:	<< >> Ø 100 Hybrid		
Bearing rigidity:	axial / radial 600 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:	3,5 kW		
Cooling volume flow approx.:	15 l/min (6-8 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	700 cm ³ /min	Ø 50	M 24
Tool cooling			
External coolant supply (ECS):	8 spray nozzles		
Internal coolant supply (ICS):	optional (through spindle shaft)		
max. Pressure/Filter mesh:	45 bar (25 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

