



Milling spindle CSV-77-500

Drive			
Power:	77 kW		
Nominal speed:	925 r.p.m.		
Torque max.:	800 Nm		
Speed max.:	3.000 r.p.m.		
Motor type:	torquemotor/30 poles		
Power connection:	400 V/ 165 A (S1)		
Tool system:	BT-50 (Big+) / HSK-A100		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/85 bar		
Clamping monitoring:	CyCon K 11		
Release pressure max.:	100 bar		
Tool cleaning:	Air, 6 bar		
Spindle bearing:	<< >> Ø 130 Hybrid		
Bearing rigidity:	axial 720 N/ μ m, radial 1200 N/ μ m		
Bearing lubrication:	Grease		
Sealing:	with sealing air and labyrinth		
Encoder signal:	1 Vpp/256 teeth		
Spindle cooling:	liquid cooling (Antifrogen N/Tyfocon)		
Power dissipation:	6,5 kW		
Cooling volume flow approx.:	20 l/min (2-3 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	1.500 cm ³ /min	Ø 88	M 56
Tool cooling			
External coolant supply (ECS):	8 Spray nozzles		
Internal coolant supply (ICS):	optional (through spindle shaft)		
max. Pressure/Filter mesh:	80 bar (35 l/min)/40 μ m		
MQL external:	optional		
MQL internal:	optional		

