



Milling spindle CS-48-180-S

Drive			
Power:	48 kW (S1)	62 kW (S6)	
Nominal speed:	2.050 r.p.m.		
Torque max.:	225 Nm (S1)	290 Nm (S6)	
Speed max.:	5.000 (6.000) r.p.m.		
Motor type:	synchronous/10 poles		
Power connection:	400 V/ 102 A (S1)		
Tool system:	HSK-A100/SK 50		
Clamping system:	hydraulically operated		
Clamping force:	30 kN/65 bar		
Clamping monitoring:	CyCon K 11 / Analog sensor		
Release pressure max.:	100 bar		
Tool cleaning:	Luft, 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:	4,5 kW		
Cooling volume flow approx.:	15 l/min (2 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	700 cm³/min	Ø 50	M 24
Tool cooling			
External coolant supply (ECS):	8 Spray nozzles		
Internal coolant supply (CTS):	optional (through spindle shaft)		
max. Pressure/Filter mesh:	45 bar (25 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

