



## Milling spindle CS-34-180

Drive			
Power:	34 kW (S1)	43 kW (S6)	
Nominal speed:	4.500 r.p.m.		
Torque max.:	72 Nm (S1)	91 Nm (S6)	
Speed max.:	24.000 r.p.m.		
Motor type:	asynchronous/8 poles		
Power connection:	400 V/ 120 A (S1)		
Tool system:	HSK-A63		
Clamping system:	hydraulically operated		
Clamping force:	19 kN/60 bar		
Clamping monitoring:	CyCon K 11		
Release pressure max.:	100 bar		
Tool cleaning:	Air, 4-6 bar		
Spindle bearing:	<< >> Ø 65 Hybrid		
Bearing rigidity:	axial 193 N/µm, radial 580 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.:	12 l/min (2 bar)		
Metal removal rate:	Milling	Drilling	Threading
AlMgSi1	2000 cm <sup>3</sup> /min	-	-
Tool cooling			
External coolant supply (ECS):	4 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		

