



CySpeed

Series P12

2.2.142

Milling spindle CS-34-170-S

Drive			
Power:	34 kW (S1)		
Nominal speed:	4.000 r.p.m.		
Torque max.:	81 Nm (S1)		
Speed max.:	15.000 r.p.m.		
Motor type:	synchronous/6poles		
Power connection:	400 V/ 80 A (S1)		
Tool system:	HSK-A63		
Clamping system:	hydraulically operated		
Clamping force:	19 kN/50 bar		
Clamping monitoring:	Analog sensor		
Release pressure:	50-100 bar		
Tool cleaning:	Air, 4-6 bar		
Spindle bearing:	<< >> Ø 65 Hybrid		
Bearing rigidity:	axial 170 N/µm, radial 510 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:	1,5 kW		
Cooling volume flow approx.:	8 l/min (2 bar)		
Metal removal rate:	Milling	Drilling	Threading
Steel	250 cm³/min	Ø 25	M16
Tool cooling			
External coolant supply (ECS):	2 Spray nozzles		
Internal coolant supply (ICS):	optional (through spindle shaft)		
max. Pressure/Filter mesh:	50 bar (25 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

