



CySpeed

Series S8

2.2.12

Milling spindle CS-20-135

Drive			
Power:	20 kW (S1)	26 kW (S6)	
Nominal speed:	6.000 r.p.m.		
Torque max.:	33 Nm (S1)	42 Nm (S6)	
Speed max.:	24.000 r.p.m.		
Motor type:	asynchronous/6 poles		
Power connection:	400 V/ 45 A (S1)		
Tool system:	HSK-A63		
Clamping system:	hydraulically operated		
Clamping force:	12 kN/50 bar		
Clamping monitoring:	CyCon K 11		
Release pressure:	60-120 bar		
Tool cleaning:	Air, 3-4 bar		
Spindle bearing:	<< >> Ø 65 Hybrid		
Bearing rigidity:	axial 170 N/µm, radial 450 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.:	5 l/min (3-8 bar)		
Metal removal rate:	Milling	Drilling	Threading
AlMgSi1	500cm ³ /min	-	M12
Tool cooling			
External coolant supply (ECS):	6 Spray nozzles		
Internal coolant supply (ICS):	optional (through spindle shaft)		
max. Pressure/Filter mesh:	50 bar (15 l/min)/40 µm		
MQL external:	optional		
MQL internal:	optional		

