



CySpeed
2.2.251

Series G30

Milling spindle CS-50-238

| Drive (spindle example) | | | |
|--------------------------------|---------------------------------------|-------------|-----------|
| Power: | 50 kW (S1) | 63 kW (S6) | |
| Nominal speed: | 2.000 r.p.m. | | |
| Torque max.: | 248 Nm (S1) | 315 Nm (S6) | |
| Speed max.: | 15.000 r.p.m. | | |
| Motor type: | asynchronous/8 poles | | |
| Power connection: | 400 V/ 130 A (S1) | | |
| Tool system: | HSK-A100 | | |
| Clamping system: | hydraulically operated | | |
| Clamping force: | 30 kN/60 bar | | |
| Clamping monitoring: | CyCon K 11 / Analog sensor | | |
| Release pressure max.: | 100 bar | | |
| Tool cleaning: | Air, 4-6 bar | | |
| Spindle bearing: | << >> Ø 100 Hybrid | | |
| Bearing rigidity: | axial / radial 628 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: | 4,0 kW | | |
| Cooling volume flow approx.: | 10 l/min (3-6 bar) | | |
| Metal removal rate: | Milling | Drilling | Threading |
| Steel | 900 cm ³ /min | Ø 60 | M 30 |
| Tool cooling | | | |
| External coolant supply (ECS): | 12 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 | | |

