

Specification	C67		C68	
				
Type	Orthogonal	Orthogonal	Fork	
<b>Motorized Spindle</b>				
Tool Interface	HSK A63		HSK A63	HSK A100
Spindle Max. Speed [rpm]	18000	24000	18000	10000
Spindle Rated Speed [rpm]	4000		4000	4300
Spindle Power S1/S6 [kW]	29.5/37	30/37	29.5/37	55/64
Spindle Torque S1/S6 [Nm]	70/88	72/88	70/88	122/161
Spindle Lubrication	Oil-air		Oil-air	
Air-Seal	Std.		Std.	
External Coolant	Std.		Std.	
Coolant Through Spindle	Std.		Std.	
Vibration Sensor	Opt.		Opt.	-
Shaft Displacement Sensor	Opt.		Opt.	-
<b>Milling Head</b>				
C Axis	DD motor		DD motor	DD motor
C Axis Torque S1/Peak [Nm]	176/318		508/993	705/1500
C Axis Clamping Torque [Nm]	1900(65bar)		2000 (65bar)	2000(65bar)
C Axis Swivel Angle [°]	±240		±220	±220
C Axis Swivel Speed [rpm]	60		60	60
A Axis	Servo motor		DD motor	DD motor
A Axis Torque S1/Peak [Nm]	110/525		508/993	694/1378
A axis clamping torque [Nm]	1900(65bar)		2000(65bar)	2000(65bar)
A Axis Swivel Angle [°]	±110		±115	±100
A Axis Swivel Speed [rpm]	51		60	60
Measuring System A/C	Absolute		Absolute	Absolute
Positioning Accuracy ["]	15		10	10
Repeatability Accuracy ["]	12		6	6
Weight Appr. [kg]	550		700	800
Volume [mm]	425x350x1330		650x400x1200	435x690x1380
Ref. Dwg	C67M01-HEA-CE 227A140(18k) 227A080(24k)	C67M01-TEA-1 C67M02-TEA-1 227A140(18k) 227A080(24k)	C68M04-TEA-1 C68M04-TEA-2 227A140(18k) 227A080(24k)	C68M02-TEA-3 245A000(10k) 245A030(12k)