technical characteristics

CHARACTERISTICS	HR 700	HR 800	HR 1.000	HR 1.200	HR 1.500
			WORKING FIELD		
ø Swing over upper slide (mm)	720	820	1.020	1.220	1.520
Distance between points (mm)	1.500 - 3.000	2.000 - 6.000	2.000 - 8.000		2.000 - 10.000
Maximum workpiece weight (kg)	1.500	3.500	10.000	10.000 / 15.000	15.000 / 20.000
			TURNING HEAD		
Main motor power 100% (kW)	22+22 / 27+27 / 30+30	22+22 / 27+27 / 30+30	28+28 / 46+46	28+28 / 46+46 / 52+52	
Maximum chuck speed (rpm)	2.700	2.700 / 1.680	1.650 / 1.260		1.260
Maximum torque 100 % Up to (Nm)	2.465 / 3.025 / 3.360	3.340 / 5.400	7.700 / 11.130	7.700 / 12.575	12.575
ø standard chuck (mm)	315 / 400	315 / 400 / 500 / 630	500 / 630 / 800	500 / 630 / 800 / 1.000	500 / 630 / 800 / 1.200
ø front bearing (mm)	160	160	260	260 / 320	320
ø spindle pass (mm)	115	100	185	185 / 250	250
Spindle nose (DIN 55026)	A11	A11	A15		A15 / B20
			C AXIS		
Maximum speed (rpm)	80	80	40		
Maximum torque Up to (Nm)	2.520	4.000	8.350	9.400	
			MILLING HEAD		
Milling motor power (kW)	27 / 34 / 42	27 / 30	27 / 30 / 46 / 52		46 / 52
Tool speed (rpm)	10.000	5.000	5.000 / 3.000		3.000
Maximum torque(Nm) S1 (100%)	130 / 170 / 201	261 / 291	261 / 291 / 630 / 712		630 / 712
Tool housing	HSK - A63 / Capto C6	HSK - A63 / Capto C6	HSK - A63 / Capto C6 / HSK - A100 / Capto C8		HSK - A100 / Capto C8
ø front bearing (mm)	100	80	80 / 130		
Maximum pressure inner coolant (bar)			70		
			B AXIS		
Maximum speed (rpm)			16		
Maximum torque (Nm)	1.780	1.780	1.780 / 2.430		2.430
Hirth positioning division (degrees)	2,5	2,5	2,5 / 1	1	
Minimum programmable angle (degree)			0,001		
Angle course (degree)	-110 / +110		-110 / +90		
			X AXIS		
X axis speed (m/min)			40		
Maximum feeding force (daN)	1.400	1.305 / 2.700	1.305 / 2.700 / 3.900		2.700 / 3.900
X axis course (mm)	880	930	1.130	1.230	1.330
			Y AXIS		
Y axis speed (mm/min)	24		40		
Maximum feeding force (daN)	1.400	1.450	1.450 / 2.850		2.850
Y axis course (mm)	400	400 / 550	550	550 / 660	830
			Z AXIS		
Z axis speed (mm/min)	40	40	30		
Maximum feeding force (daN)	1.480	1.200 / 2.880	2.880	2.880 / 4.190	
			TAILSTOCK		
ø shaft (mm)	120	180	260	260 / 320	320
Shaft course (mm)	150	200	250	250 / 280	280
			TOOLS CHANGER		
Capacity (Number of tools)			40 / 60 / 80 / 120		
			NUMERIC CONTROL		
Numeric control			Siemens 840D SL		

For other sizes or technical characteristics please contact our commercial department.