SPECIFICATIONS

	ITEM		HL-25N	HL-35	HL-45 1000	HL-45 1500	HL-55S 1250	HL-55S 2000	HL-55S 2500
CAPACITY	Max. Swing Overbed	mm	Ø515	Ø500	Ø635	Ø635	Ø727	Ø710	Ø710
	Max. Turning Diameter	mm	Ø250	Ø360	*Ø600	*Ø600	Ø640	Ø640	Ø640
	Max. Turning Length	mm	580	675	940	1440	1070	1820	2320
	Max. Swing over slide bed	mm	—	—	—	—	—	—	—
	Hole (Bar Capacity)	mm	Ø51.5	Ø74.5	Ø89.5	Ø89.5	Ø117	Ø117	Ø117
TRAVEL	X-axis	mm	177	260	285	355	340	340	340
	Z-axis	mm	580	690	1000	1500	1250	2000	2500
	Y-axis	mm	—	—	—	—	—	—	—
	W-axis	mm	—	—	—	—	—	—	—
SPINDLE	Speed	rpm	4800	4000	2500	2500	2500	2500	2500
	Chuck Size	inch	8″	10″	12″	12″	15″	15″	15″
	Spindle Nose		A2-6	A2-8	A2-8	A2-8	A2-11	A2-11	A2-11
	Through Spindle Hole Diameter	mm	Ø61	Ø87	Ø110	Ø110	Ø132	Ø132	Ø132
	Front Bearing ID./OD.	mm	Ø100 / Ø150	Ø130 / Ø200	Ø160 / Ø240	Ø160 / Ø240	Ø170 / Ø230	Ø170 / Ø230	Ø170 / Ø230
	Rear Bearing ID./OD.	mm	Ø90 / Ø140	Ø120 / Ø180	Ø150 / Ø225	Ø150 / Ø225	Ø160 / Ø220	Ø160 / Ø220	Ø160 / Ø220
	Spindle Motor		αP22 / 6000i	αP30/6000i	αP40/6000i	αP40/6000i	α22 / 7000i	α22 / 7000i	α22 / 7000i
	Spindle Motor Output(cont/30 mins)	kW	11 / 15	15 / 18.5	18.5 / 22	18.5 / 22	22 / 26	22 / 26	22 / 26
	Spindle Motor Torque	Nm	238	345	656	656	1181	1181	1181
SUB-SPINDLE	Sub-spindle Speed	rpm	—	—	—	—	—	—	—
	Sub-spindle Chuck Size		—	—	—	—	—	—	—
	Sub-spindle Nose		—	—	—	—	—	—	—
	Hole(Bar Capacity)	mm	—	—	—	—	—	—	—
	Sub-spindle Front Bearing ID./OD.	mm	—	—	—	—	—	—	—
	Sub-spindle Rear Bearing ID./OD.	mm	—	—	—	—	—	—	—
	Sub-spindle Motor		—	—	—	—	—	—	—
	Sub-spindle Motor Output(cont/30 mins)	kW	—	—	—	—	—	—	—
	Sub-spindle Motor Torque	Nm	—	—	—	—	—	—	—
TURRET	Number of Tool Station		8.12	12	12	12	8.12	8.12	8.12
			—	—	—	—	—	—	—
	Turning Tool OD	mm	□25 / □20	□25	□25	□25	□25	□25	□25
	Turning Tool ID	mm	Ø40 / Ø32	Ø50	Ø50	Ø50	Ø50	Ø50	Ø50
POWER TURRET WITH C-AXIS	Power Tool Shank Diameter	mm	VDI-30	VDI-40	VDI-40	VDI-40	—	—	—
	Power Tool Speed Range at Axial	rpm	3000	3000	3000	3000	—	—	—
	Power Tool Speed Range at Radial	rpm	3000	3000	3000	3000	—	—	—
	Power Tool Motor		α2 / 10000i	α3/10000i	α3 / 10000i	α3 / 10000i	—	—	—
	Power Tool Motor Output	kW	2.2 / 3.7	3.7 / 5.5	3.7 / 5.5	3.7 / 5.5	—	—	—
TAILSTOCK	Travel	mm	395	510	830	1330	1094	1844	2344
	Quill Diameter	mm	Ø70	Ø120	Ø120	Ø120	Ø120	Ø120	Ø120
	Quill Travel	mm	100	120	120	120	120	120	120
	Quill Taper		MT#4	MT#5	MT#5	MT#5	MT#5	MT#5	MT#5
	Axial Thrust of Quill	kgf	560	1178	1178	1178	1178	1178	1178
FEEDRATE	X-axis Rapid Traverse	mm/min	20000	20000	20000	20000	16000	16000	16000
	Z-axis Rapid Traverse	mm/min	24000	24000	24000	24000	20000	20000	20000
	Y-axis Rapid Traverse	mm/min	—	—	—	—	—	—	—
	W-axis Rapid Traverse	mm/min	—	—	—	—	—	—	—
DIMENSION (Without chip cnoveyor)	Width	mm	2150	3370	3885	5035	4355	5150	5605
	Depth	mm	1500	1942	2131	2131	2000	2000	2000
	Height	mm	1600	1960	2040	2040	2130	2130	2130
WEIGHT	Weight	kg	3250	6000	6400	7500	9000	11000	13000

* Please refer to the range of the stroke. The maximum processing diameter not to interfere with X axis siding sheet metal is Ø490.