

## JAINNHER JHA Angular approach CNC cylindrical grinding machines

Since being established in the early 1980s, Jainnher Machine Co., Ltd. has established itself as a professional cylindrical grinder manufacturer. Today, Jainnher specialises in CNC cylindrical grinding machines and provides superior and precision cylindrical grinders for multiple applications. For over 30 years, RK International Machine Tools has enjoyed a long-term relationship with Jainnher.

<b>JAINNHER CNC Angular approach cylindrical grinding machine</b>						
Model:		<b>JHA-2003CNC</b>	<b>JHA-3505CNC</b>	<b>JHA-4005CNC</b>	<b>JHA-3508CNC</b>	<b>JHA-4008CNC</b>
CNC Control:		FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF
Capacity	Max. work swing	Ø200mm	Ø350mm	Ø400mm	Ø350mm	Ø400mm
	Max. grinding length	300mm	520mm	520mm	820mm	820mm
	Max. grinding dia.	Ø200mm	Ø330mm	Ø380mm	Ø330mm	Ø380mm
	Max. job weight	80kg			150kg	
	Distance between centres	300mm	600mm	600mm	1000mm	1000mm
	Centre height	100mm	175mm	200mm	175mm	200mm
Grinding wheel	Grinding wheel sizes	Ø405x38-50xØ127		Ø610x50-100xØ203.2		
	Grinding wheel speed	1560rpm		1250rpm		
	Max. peripheral speed	33m/sec		40m/sec		
Wheel head	Feed angle			60°		
	Swivel angle			±0°		
	Rapid traverse speed			6 m/min		
	Max. travel	220mm			280mm	
	Min. setting unit			0.0001mm		
	Grinding feed rate			0.001 ~ 6000mm/min		
	Hydrostatic pressure	---		Hydrodynamic 3kg / Hydrostatic 20kg		
Tailstock	Quill travel			30mm travel		
	Quill diameter	48mm dia		70mm dia		
	Centre taper	#3 MT		#4 MT (#5 MT option)		
	Hydraulic cylinder pressure			20 kg		
Work head	Spindle speed (variable)			10 ~ 500 rpm/min		
	Centre taper	#3 MT		#4 MT (#5 MT option)		
	Spindle type	Cartridge type (Opt.)				
	Swivel angle			120 degs (90 deg counter/ 30 deg clock)		
Work table swivel	Swivel angle (C.W.)	+10 degs		+9 degs		+7 degs
	Swivel angle (C.C.W.)	-3 degs		-5 degs		-4 degs
	Rapid traverse speed	8mm/min			10mm/min	
	Min. setting unit			0.0001mm		
	Max. travel	640mm		600mm		900mm
	Grinding feed rate			0.001 - 6000mm/min		
Motor	Grinding wheel spindle	5HP 4P (Opt. 7.5HP)		10HP 4P (Opt.15HP)		
	Work head	1.0KW		1.5KW		

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	Work table feeding (Z-axis)	1.2KW		1.8 KW
	Wheel table feeding (X-axis)	1.2KW		1.8 KW
	Hydraulic pump	1/4HP 4P		1HP 4P
	Wheel head pump	–	Hydrodynamic 1HP 4P / Hydrostatic 2HP 4P	
	Coolant pump	1/8HP 2P		1/2HP 2P
	Magnetic coolant separator	1/25HP 2P		1/25HP 2P
	Oil cooler	–	Hydrostatic wheel head 600W Hydrodynamic wheel head 400W Slide way 250W	
Oil tank	Hyd. Oil tank	30L		60L
	Wheel head lubrication	–		50L
	Coolant tank	80L		160L
Machine	Nett weight - Fully enclosed	3800kg	7460kg	8080kg
	Gross weight - Fully enclosed	4100kg	7860kg	8480kg
	Machine dimensions (LxWxH)	3.3x2.1x2.2	5.0x2.1x2.2	5.8x2.1x2.2
	Packing dimensions (LxWxH)	3.5x2.2x2.2	5.2x2.2x2.2	6.0x2.2x2.2