

JHP-3506CNCJHP-4006CNCJHP-3510CNCJHP-4010CNC

Function	CNC Plunge type cylindrical grinding machine				
	Model:				
Control	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	FANUC Oi-TF	
Capacity	Max. work swing	Ø350mm	Ø400mm	Ø350mm	Ø400mm
	Max. grinding length	600mm	600mm	1000mm	1000mm
	Max. grinding dia.	Ø330mm	Ø380mm	Ø330mm	Ø380mm
	Max. job weight	150kg	150kg	150kg	150kg
	Distance between centers	600mm	600mm	1000 mm	1000mm
	Centre height	175mm	200mm	175mm	200mm
Grinding wheel	Grinding wheel sizes	Ø510x50-100 x Ø203.2	Ø510x50-100 x Ø203.2	Ø510x50-100 x Ø203.2	Ø510x50-100 x Ø203.2
	Grinding wheel speed	1250 rpm	1250 rpm	1250 rpm	1250 rpm
	Max. peripheral speed	33m/sec	33m/sec	33m/sec	33m/sec
Wheel head	Feed angle	90°	90°	90°	90°
	Swivel angle	±0°	±0°	±0°	±0°
	Rapid traverse speed	6m/min	6m/min	6m/min	6m/min
	Max. travel	280mm	280mm	280mm	280mm
	Min. setting unit	0.0001mm	0.0001mm	0.0001mm	0.0001mm
	Grinding feed rate	0.001-6000mm/min	0.001-6000mm/min	0.001-6000mm/min	0.001-6000mm/min
	Hydrostatic pressure	Hydrodynamic 3kg / Hydrostatic 20kg	Hydrodynamic 3kg / Hydrostatic 20kg	Hydrodynamic 3kg / Hydrostatic 20kg	Hydrodynamic 3kg / Hydrostatic 20kg
Tailstock	Quill travel	30mm	30mm	30mm	30mm
	Quill diameter	70mm	70mm	70mm	70mm
	Centre taper	#4 MT (#5MT option)	#4 MT (#5MT option)	#4 MT (#5MT option)	#4 MT (#5MT option)
	Hydraulic cylinder pressure	20 kg	20 kg	20 kg	20 kg
Work Head	Spindle speed (variable)	10 ~ 500 rpm/min	10 ~ 500 rpm/min	10 ~ 500 rpm/min	10 ~ 500 rpm/min
	Center taper	NO#4 (Opt. NO.#5)	NO#4 (Opt. NO.#5)	NO#4 (Opt. NO.#5)	NO#4 (Opt. NO.#5)
	Spindle type				
	Swivel angle				

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Work table	Swivel angle (C.W.)	9°	9°	7°	7°	
	Swivel angle (C.C.W.)	-5°	-5°	-4°	-4°	
	Rapid traverse speed	10m/min	10m/min	10m/min	10m/min	
	Min. setting unit	0.0001 mm	0.0001 mm	0.0001 mm	0.0001 mm	
	Max. travel	700mm	700mm	1100mm	1100mm	
	Grinding feed rate	0.001-6000mm/min	0.001-6000mm/min	0.001-6000mm/min	0.001-6000mm/min	
	Motor	Grinding wheel spindle	7.5HP 4P (Opt.10HP 4P)	7.5HP 4P (Opt.10HP 4P)	7.5HP 4P (Opt.10HP 4P)	7.5HP 4P (Opt.10HP 4P)
Work head		1.5KW	1.5KW	1.5KW	1.5KW	
Work table feeding (Z-axis)		1.8 KW	1.8 KW	1.8 KW	1.8 KW	
Wheel table feeding (X-axis)		1.8 KW	1.8 KW	1.8 KW	1.8 KW	
Hydraulic pump		1HP 4P	1HP 4P	1HP 4P	1HP 4P	
Wheel head pump		Hydrodynamic 1HP 4P / Hydrostatic 2HP 4P	Hydrodynamic 1HP 4P / Hydrostatic 2HP 4P	Hydrodynamic 1HP 4P / Hydrostatic 2HP 4P	Hydrodynamic 1HP 4P / Hydrostatic 2HP 4P	
Coolant pump		1/2HP 2P	1/2HP 2P	1/2HP 2P	1/2HP 2P	
Magnetic coolant separator		1/25HP 2P	1/25HP 2P	1/25HP 2P	1/25HP 2P	
Oil cooler			Hydrostatic wheel head 600W / Hydrodynamic wheel head 400W / Slide way 250W	Hydrostatic wheel head 600W / Hydrodynamic wheel head 400W / Slide way 250W	Hydrostatic wheel head 600W / Hydrodynamic wheel head 400W / Slide way 250W	Hydrostatic wheel head 600W / Hydrodynamic wheel head 400W / Slide way 250W
		Hyd. Oil tank (slideways, screw ends & measurement)	60L	60L	60L	60L
Oil tank	Wheel head lubrication	50L	50L	50L	50L	
	Coolant tank	160L	160L	160L	160L	
Machine	G.W.	7860kg	7860kg	8480kg	8480kg	
	Machine dimensions (LxWxH)	5.0x2.1x2.2	5.0x2.1x2.2	5.8x2.1x2.2	5.8x2.1x2.2	
	Packing dimensions (LxWxH)	5.2x2.2x2.2	5.2x2.2x2.2	6.0x2.2x2.2	6.0x2.2x2.2	

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* All specifications are subject to change without notice.