



# JCG 30-100

## Precision Cylindrical Grinder



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Specification		unit	JCG30 - 100	JCG25 - 600
Capacity	Swing over table	mm	305	255
	Distance between center	mm	1000	600
	Max. Diameter to be ground	mm	300	250
	Max. Workplece weight	kgf	150	150
Wheel Speed	Spindle speed	rpm	1600	1800
	Size of wheel (OD x Width x ID)	mm	φ405x 38(30-70)x φ152.4	φ355x 38(30-70)x φ152.4
	Max, wheel surface speed	mm / min	2000	2000
Wheel Head	Travel length (Stroke of feed screw)	mm	160	130
	Rapid feed stroke (Hydraulic rapid feed)	mm	40	30
	Swivel angle	°	+45 ~ - 45	+45 ~ - 45
	Stroke per one turn of hand wheel(Reduction in dia)	mm	φ2	φ2
	Stroke per one graduation on micro-collar(Reduction in dia)	mm	φ0.005	φ0.005
	Micro- set (Option)	mm	φ0.001	φ0.001
Automatic in feed	Traverse cut grinding (min / max reduction in dia)	mm	φ0.005 ~ φ0.5	
	Plunge cut grinding (Hydraulic Stepless)	mm / min	0.02 ~ 6(Stepless)	
Work head	Type	( Dead center & Non - swivel type)		
	Taper	M.T.	No. 4	No. 4
	Dia. of through hole	mm	18	18
	Spindle speed (inverter)	rpm	30 ~ 900	
	Swivel angle	°	(45deg, to operetor's side) (90deg, to wheel head side)	
Table	Traverse length	mm	1100	680
	Stroke per one turn of hand wheel	mm	10	10
	Swivel angle	°	-1~10	-1~12
	Traverse rates inverter(stepless)	°	Stepless	
	Range of traverse rates	mm / min	10 ~ 2000	
Tail stock	Type	(Manual)(Hyduric)opt.		
	Taper	M.T.	No.4	No.4
	Stroke of spindle sleeve	mm	40	40
Motor	Wheel spindle	(KW)Hp.p	(5.5)7.5 ~ 4	
	Work spindle	(KW)Hp.p	(0.37)0.5 ~ 6	
	Wheel spindle bearing lubrication	(KW)Hp.p	(0.75)1 ~ 4	
	Slideways lubrication system	(KW)Hp.p	(0.18kw)0.25 ~ 4	
	Table motion (Gear rate)	(KW)Hp.p	(0.75)1 ~ 4, 1/ 64	
	Coolant pump	(KW)Hp.p	(0.18)0.25 ~ 4	
Oil capacity	Wheel spindle lubrication	(L)	20	20
	Slideways lubrication	(L)	10	10
	Work spindle	(L)	3	3
	Coolant box	(L)	60	60
Machine size	Machine space (length x width x height)	mm	3200 x 1670 x 1400	2200 x 1670 x 1400
	net weight (incl, standard accessories)	kgf	3500	2200