

**PHENIX**

# HEAVY DUTY VARIABLE SPEED LATHE

*Precision, rigidity and heavy duty*



▲ **FL-V780x2000G**

# SPECIFICATION :

MODEL	FL-V680		FL-V780			FL-V880			FL-V980	
	1100G	1600G	2000G	2500G	3000G	3500G	4000G	5000G	6000G	7000G 8000G
<b>CAPACITY</b>										
Swing over bed	680mm(26-7/8")		780mm(30-7/8")			880mm(34-3/4")			980mm(38-9/16")	
Swing over cross slide	440mm(17-3/8")		540mm(21-1/4")			640mm(25-1/4")			740mm(29-1/8")	
Swing in gap x width of gap	970x482mm(38-1/8"x19")		1070x482mm(42-1/8"x19")			1170x482mm(46"x19")			1270x482mm(50"x19")	
Distance between centers	1100 1600		2000 2500 3000 3500			4000 5000 6000 7000			8000 mm	
Height of center (over bed)	340mm(13-3/8")		390mm(15-3/8")			440mm(17-3/8")			490mm(19-5/16")	
Bed width	458mm (18")									
<b>HEADSTOCK</b>										
Spindle nose	A2-11 (or D1-11) (ø105/155mm bore) or A2-15(ø230mm bore), (opt.)									
Spindle bore	105mm (4-1/8") or 155mm(6-1/16"), (opt.) or 230mm(9") (for FL-880/980 only), (opt.)									
Number of spindle speed	—									
Range of spindle speed	ø105mm - 25~70 r.p.m. / 60~160 r.p.m. / 145~380 r.p.m. / 320~1000 r.p.m.									
<b>FEEDS-THREAD</b>										
Lead screw dia.	45mm (1-3/4")									
Number of feed changes	28									
Longitudinal feed range	0.05~0.7 mm/rev.									
Cross feed range	0.025~0.35 mm/rev.									
Inch threads	2~28 T.P.I. (36)									
Metric threads	0.8~14 mm (65)									
D.P no./ range	4~56 D.P. (36)									
Module pitch no./ range	0.5~7 M.P. (22)									
<b>TOOL SLIDE</b>										
Cross slide travel	390mm (15-3/8")									
Compound rest travel	240mm (9-1/2")									
<b>TAILSTOCK</b>										
Spindle travel	210mm ( 8-1/4")									
Spindle diameter	105mm (4-1/8")									
Taper of center	M.T. # 6									
<b>MOTOR</b>										
Main motor	15HP/4P or 20HP/4P (opt.)									
Rapid feed motor	1/4 HP									
<b>BED</b>										
Coolant pump	1/8 HP									
Length	1100Gx2750mm		1600Gx3250mm			2000Gx3750mm			2500Gx4250mm	
	3000Gx4750mm		3500Gx5250mm			4000Gx5750mm			5000Gx6750mm	
	6000Gx7750mm		7000Gx8750mm			8000Gx9750mm				
Base width	1240mm(48-13/16")									
Height	1350mm(53-1/8")		1400mm(55-1/8")			1450mm(57")			1500mm(59")	
N.W	1100Gx3300kgs		1600Gx3600kgs			2000Gx3900kgs			2500Gx4200kgs	
	3000Gx4500kgs		3500Gx4800kgs			4000Gx5100kgs			5000Gx6300kgs	
	6000Gx7000kgs		7000Gx7700kgs			8000Gx8400kgs				
G.W	1100Gx3450kgs		1600Gx3800kgs			2000Gx4150kgs			2500Gx4500kgs	
	3000Gx4850kgs		3500Gx5200kgs			4000Gx5600kgs			5000Gx7000kgs	
	6000Gx7700kgs		7000Gx8400kgs			8000Gx9200kgs				
Packing size (L)	1100Gx2850mm		1600Gx3350mm			2000Gx3850mm			2500Gx4440mm	
	3000Gx4870mm		3500Gx5370mm			4000Gx5870mm			5000Gx6870mm	
	6000Gx7880mm		7000Gx8890mm			8000Gx9900mm				
Packing size (W)	1660mm(65-3/8")									
Packing size (H)	1550mm(61")		1600mm(63")			1650mm(65")			1700mm(66-15/16")	

## STANDARD ACCESSORIES :

●Center	1pc	●Coolant pump	1pc
●Center sleeve	1pc	●Main motor 15HP	1pc
●4 Way rapid traverse	1pc	●Steady rest(ø280mm)	1pc
●Tool box	1pc	●Follow rest	1pc
●Halogen light	1pc	●Inverter 15HP	1pc

## OPTIONAL ACCESSORIES :

●Steady rest	●Spindle bore 155mm plus
●Face plate 24"	●Chuck guard with limit switch
●Taper turning attachment	●Rear splash guard
●3-Jaw chuck	●Lead screw cover
●4-Jaw chuck	



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