

Machine Specifications

Model/Description		Unit	VL-66C		VL-66CM		VL-86C		VL-86CM		VL-100C		VL-100CM		VL-100CR		VL-100CRM	
Capacity	Max. swing diameter	mm	850				950				1200				1200			
	Max. turning diameter	mm	850				950				1200				1200			
	Distance from ram to table	mm	925				925				925				500-1100			
	Max. turning height	mm	650				650				650				800			
	Max. workpiece weight	kg	1500				2000				3500				3500			
Spindle	Table diameter	mm	610				800				1000				1000			
	Range of table speed	rpm	1-700				1-600				1-400				1-400			
	Change gear speed		2-step				2-step				2-step				2-step			
	Spindle nose	mm	A2-11				A2-11				-				-			
	Tool live spindle speed	rpm	-	50-2250			-	50-2250			-	50-2250			-	50-2250		
ATC	ATC(Automatic Tool Change)		12				12				12				12			
	Tool size	mm	□25, □32				□25, □33				□25, □32				□25, □32			
	Cross-section of ram	mm	200x200		220x220		200x200		220x220		200x200		220x220		200x200		220x220	
Feed	Rapid rate (X-Axis)	m/min	10				10				10				10			
	Rapid rate (Z-Axis)	m/min	10				10				10				10			
	Horizontal travel(X-Axis)	mm	-100+650				-100+750				-100+750				-100+750			
	Vertical travel (Z-Axis)	mm	600				600				700				700			
	Cutting feed rate	mm/min	1-5000				1-5000				1-5000				1-5000			
	Feed override	%	0-150				0-150				0-150				0-150			
	Cross-rail travel	mm	Fixed				Fixed				Fixed				200x3 step			
Control System			Fanuc 0i-T				Fanuc 0i-T				Fanuc 0i-T				Fanuc 0i-T			
Motor	Spindle motor (Cont./30min)	kW	18.5/22		30/37		18.5/22		30/37		30/37		30/37		30/37		30/37	
	Feed motor(X/Z axis)	kW	4.0/4.0				4.0/4.0				4.0/4.0				4.0/4.0			
	Live tool motor	kW	-	11/15			-	11/15			-	11/15			-	11/15		
Power requirement		kVA	40		55		40		55		75		90		75		90	
Machine size	Floor space(LxW)	mm	4700x4800				4700x4800				4200x4850				4300x5000			
	Max. height(H)	mm	4500				4500				4000				4550			
	Net weight	kg	12500				13500				17800				18600			

*The specifications are subject to change without notice.

Standard accessories

1. Complete splash guard.
2. Hydraulic 3-jaw solid chuck & cylinder, size as spec. (VL-66/VL-86)
3. Hydraulic chuck soft jaw x 1 set.(VL-66)/(VL-86)
4. Foot switch for hydraulic chuck.(VL-66)/(VL-86)
5. Table with manual 4-jaw chuck as spec.(VL-100)
6. Hydraulic power unit.
7. Protection door.
8. Automatic lubrication system.
9. Working light.
10. Warning light.(R/Y/G)

Optional accessories

1. Hydraulic chuck & cylinder, size selections.
2. Higher power motor.
3. Air conditioner for electrical cabinet.
4. Table with manual 4-jaw chuck as spec. (VL-66/VL-86)
5. Power transformer.(external)
6. Oil skimmer.(Disk type)
7. Tool holder base.
8. Other tool holder & special tool holder.
9. Tool presetter.
10. Linear encoder of X/Z axis.
11. High & low pressure chucking.
12. Lubricant chiller for spindle bearing & gear.
13. Extend vertical travel(Z axis)
14. Hard jaw for hydraulic chuck.
15. High pressure coolant through tool holder.
16. Dual gear box for live tool spindle.
17. Chip conveyor, scraper type.
18. Manual guide i.
19. CE certificate.
20. Tooling.
21. Jig & fixture.
22. Turnkey project.
23. Siemens controller.