

# LC-20 Series

## HEAVY DUTY MILLING MACHINE



# LC-185 TM/VS

## VERTICAL MILLING MACHINE



# LC-1-1/2 TM/VS

## VERTICAL MILLING MACHINE



<b>SPECIFICATIONS:</b>	20VSG	20VHS	LC-185VS	LC-185TM	LC1-1/2 VS	LC1-1/2 TM
<b>TABLE</b>						
Working surface	1300X260mm(51X10") / 1420X260mm(56X10") (option)		1270x254mm(50"x10")		1067x230mm(42"x9")	
Longitudinal travel(Manual Max)	800mm(31.5"),920mm(36") (option)		790mm(31")/OP.890mm(35")/ OP.990mm(39")		762mm(30")/966mm(38") OP	
Cross travel	415mm(16.3")		390mm(15.3")		305mm(12")	
Vertical travel (Knee)(Manual Max)	460mm(18")	435mm(17.1")	390mm(15.3")		406mm(16")	
Longitudinal feeds	22-690(0.8"-27.2")/Min					
Longitudinal rapid feeds	2100(82.7")/Min					
Vertical feeds(knee)	800(31.5")/Min					
<b>MOTOR</b>						
Vertical spindle	3HP 4P		2HP 3PH (3HP OPTION)	2HP 3PH (2 SPEEDS OPTION)	2HP 3PH (3HP OPTION)	2HP 3PH (2 SPEEDS OPTION)
Horizontal spindle	5HP 4P					
Table longitudinal feed	1/,1/2HP,4/8HP					
Vertical feeds	1.5HP 6P					
Coolant pump	1/8HP					
WEIGHT(APPROX)	1800kg (3960Lbs)	2010kg (4420Lbs)	1250KG(2750lbs)		1010KG(22lbs)	
<b>VERTICAL MAIN SPINDLE</b>						
Spindle speeds variable (RPM) 50HZ	50-3750		50-3750 (variable)	60-2280 (8 steps)	50-3750 (variable)	60-2280 (8 steps)
60HZ	60-4500		60-4500 (variable)	80-2760 (8 steps)	60-4500 (variable)	80-2760 (8 steps)
Spindle taper	NST 40		R8 or NST 30 (NST40 OP.)		R8 or NST 30	
Quill travel	127mm(5")		127mm(5")		127mm(5")	
Vertical feeds	0.04 0.08 0.16 (0.0016",0.0031",0.0063")/Rev		0.04,0.08,0.16mm (0.0015",0.003",0.006")		0.04,0.08,0.16mm (0.0015",0.003",0.006")	
Head swivel	(R&L) 90°(F&B) 45°		(R&L) 90°, (F&B)+45°,-38°	(R&L) 90°, (F&B) 45°	(R&L)90°, (F&B)+45°,-38°	(R&L) 90°, (F&B) 45°
Overarm travel	470(18.5")		470mm(18.5")		305mm(12")	
Overarm swivel	360°		360°		360°	
Spindle nose to table	80-540 (3.1"-21.3")	115-550 (4.5"21.7")	120-150mm(4.7"-20")		0-469mm(0~18.5")	
Spindle centerline to column surface	355-825(14"-32.5")		270-740mm(10.6"-29.1")		171-476mm(6.75"-18.75")	
<b>HORIZONTAL MAIN SPINDLE</b>						
Spindle speeds (RPM) 50HZ	45,80,165, 260,500,980					
60HZ	55,100,200, 315,600,1180					
Spindle taper	NST 40					
Spindle centerline to table surface	-25-410 (-1"-16.1")					
Spindle centerline to overarm underside	146(5.7")					
Spindle nose to column surface	28(1.1")					