

YLH50 Servohydraulic UTM Specifications		
Dynamic Load Frame		
Machine Capacity	kN	500
Number of Columns	#	2
Crosshead Positioning Cylinders	#	2
Crosshead Brake Cylinders	#	6
Horizontal Clearance	mm	762
Vertical Clearance	mm	885-2075
Vertical Clearance, Wedge Grips Installed	mm	0-1307
Vertical Clearance, Alignment Fixture Installed	mm	0-1140
Actuator Mounting	In Machine Base	
Load Module		
Capacity	kN	500
Resolution	N	3
Safe Overload	kN	750
Accuracy 1% of FS	kN	2.5 - 500
Accuracy 0.5% of FS	kN	5 - 500
Dimensions		
Overall Height	mm	3,533
Overall Width	mm	1,404
Overall Depth	mm	707
Weight (approx.)	kg	2,400
Weight, Wedge Grips Installed (approx.)	kg	2,800
Static Actuator 500kN		
Capacity	kN	500
Stroke	mm	150
Displacement Resolution	mm	0.002
Testing Speed	mm/min	0.5-300
Speed Accuracy	mm/min	0.1
Hydraulic Pressure	bar	210
Hydraulic Flow	l/min	20
Power Supply, Typical	3~ 400Vac - 32A	
Dynamic Actuator 500kN¹		
Capacity	kN	500
Stroke	mm	150
Displacement Resolution	mm	0.001
Testing Speed	mm/min	0.2-900
Speed Accuracy	mm/min	0.05
Cyclic Rate, Maximum (at 1mm Amplitude)	Hz	10
Servo valve Flow	l/min	45
Hydraulic Unit for Dynamic Applications		
Hydraulic Pressure	bar	210
Hydraulic Flow	l/min	45
Power Supply, Typical	3~ 400Vac - 50A	

¹ Other combinations are available

Safety Features
YLH50 conforms to CE essential hazard and safety requirements
Emergency stop cuts power from drive system
Overtravel switch cuts power from drive system
Safety relief valves on hazardous components
End of travel switches stop drive system
Resident firmware stops machine in case of overload
Test Fixtures and Software Modules to Following Test Standards
ISO 178, ISO 527, ISO 8513, ISO 8513, ISO 8521, ISO 604, ISO 7685, ISO 10466, ISO 14130, EN 178, EN 1226, EN 1228, EN 1393, EN 1394, EN 14130, DIN 178, DIN 1226, DIN 1228, DIN 1393, DIN 1394, DIN 53769-3, DIN 16868-2, DIN 14130, ASTM D 638, ASTM D 695, ASTM D 790, ASTM D 2105, ASTM D 2290, ASTM D 2344, ASTM D 2412, ASTM D 5934.