

Hydraulic Concrete Compression Testing Machine

Model: YES Series



Model: YES-2000

1, General introduction

YES series Compressive Strength Testing Equipment to test cement, brick and concrete is offered by United Test. Range 1000KN, 2000KN, and 3000KN, these strength testing equipment are extremely handy and are easy to use for testing cement, concrete and mortar cubes. We lay utmost importance on equipment design and construct with emphasis on ease of operation.

Conform with test standard ASTM C39, this test method consists of applying a compressive axial load to molded cylinders or cores at a rate which is within a prescribed range until failure occurs. The compressive strength of the specimen is calculated by dividing the maximum load attained during the test by the cross-sectional area of the specimen.

2, References

ASTM C39 "Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens"
GB/T 17671, GB/T 50081 etc.,

3, Key Features

- 1), High performance load frame, with high stiffness and stability;
- 2), Hydraulic loading, wide speed adjusting range.
- 3), Digital display testing load, speed, peak value etc;
- 4), YES-2000 is manual screw to adjust test space, YES-2000A is motorized to adjust test space.
- 5), Test space can enlarge to 360mm to meet long concrete cube requirement;
- 6), Data transfer to PC optional, add software CD and data transfer port, cable.



Model: YES-2000A

4, Main technical specification

Model	YES-1000/YES-2000	YES-1000A/YES-2000A
Max. load	1000KN/2000KN	1000KN/2000KN
Accuracy of testing force	±1% of indicated value	
Load resolution	0.01kN	
Upper compression platen dia.	220mm*250mm	
Lower compression platen dia.	220mm*250mm	
Distance between two platens	320mm (Can enlarge to 360mm)	
Piston diameter	φ250mm	
Piston stroke	40mm	
Power supply	380V, 50Hz, 3 phase / 220V, 50HZ, 1 phase 220V, 60HZ, 3 phase / 110V, 60HZ, 1 phase	
Dimension	980×500×1240mm	1100×740×1400mm
Weight	650Kg	750Kg
Test space adjusting	Hand wheel manually	Motor automatic
Safety cover	Yes	
Standard Accessories	Loadframe, oil pressure sensor, digital meter, compression platen, English operation manual	


Model: YES-3000A

Model	YES-3000	YES-3000A
Max. load	3000KN	3000KN
Accuracy of testing force	±1% of indicated value	
Load resolution	0.01kN	
Upper compression platen dia.	300mm*300mm	
Lower compression platen dia.	300mm*300mm	
Distance between two platens	320mm (Can enlarge to 360mm)	
Piston diameter	φ250mm	
Piston stroke	40mm	
Power supply	380V, 50Hz, 3 phase / 220V, 50HZ, 1 phase 220V, 60HZ, 3 phase / 110V, 60HZ, 1 phase	
Dimension	1080×650×1400mm	1150×760×1500mm
Weight	950Kg	1150Kg
Test space adjusting	Hand wheel manually	Motor automaic
Safety cover	Yes	
Standard Accessories	Loadframe, oil pressure sensor, digital meter, compression platen, English operation manual	