



Product parameters

System profile

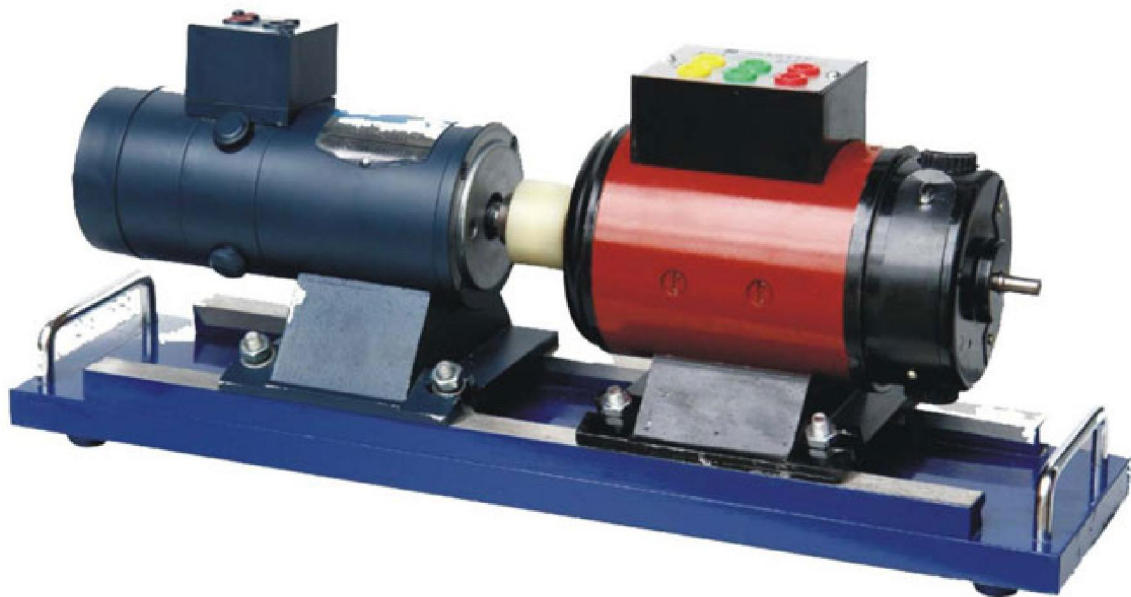
1. Motor is special, connected by precise lead raid with seat, to ensure concentricity.
2. 3-phase power supply, through 3-phase insulation transformer, low-voltage power supply, for human safety.
3. Speed and power measurement by high-performance precise mechanical servomotor, little friction, with high sensitivity and linearity.
4. The instrument is a patented product of Yalong, to measure rotation speed, torque and mechanical power precisely, shown by 3 sets of 3 1/2 digital numeric tubes, compact, nice and efficient.

Specifications and parameters

No.	Desprition	P N(w)	N (r/min)	UIN(v)	IIN(a)	U2N or UF(v)	IF(A)	Remark
1	phase transformer	220VA		127		50		C type
2	1-phase transformer	150VA		127		50		Shell type
3	3-phase transformer	50VA 3		127		50		Core type
4	DC recited generator	120	1000	110	1.1	110		
5	DC recited generator	120	1000	110	1.58	110		Rf1 =620? RF2 =43? Ra=9.7?
6	DC Excited motor	120	1000	110	1.25	110	1.2	Ra=9.7? Rf1=510?
7	3-phase cage asynchronous motor	100	1420	220	0.50			
8	3-phase winding rotor asynchronous motor	120	1380	220	0.6			
9	Synchronous generator Synchronous generator	170 90	1500 1500	220 220	0.45 0.35	14 10	1.2 0.8	a same motor
10	1-phase capacitive asynchronous motor	120	1420	220	1.0	10		
11	3-phase dual-speed cage asynchronous motor	120/90	2800/1400	220	0.6/0.6			
12	High-performance permanent-magnetic DC power measurer	250	1500	110	2.8			Ra=3.1?
13	Permanent-magnetic DC speed measure generator (high-performance)		1500	36				High-performance
14	Rotation speed, torque and mechanical power measurement (3 1/2 digital)							3 1/2 digital

Remark: according to the customers require to order the machine types

High-performance instruments



Testing motor-lead rail-speed and power measurement



Motor station speed, torque and mechanical power measurement on YL-196 trainer

Experiments

Experiment (1) Excited DC generator features measurement (4 hours)

Experiment (2) Excited DC motor features measurement (4~6 hours)

Experiment (3) Excited DC motor speed regulation features (2 hours)

Experiment (4) Serial excited DC motor mechanical features measurement(4 hours)

Experiment (5) 1-phase transformer features (2~4 hours)

Experiment (6) 1-phase transformer parallel operation (2 hours)

Experiment (7) 3-phase transformer wiring recognition and connection (2 hours)

Experiment (8) 3-phase cage asynchronous motor performance (4-6 hours)

Experiment (9) 3-phase cage motor mechanical features measurement(2 hours)

Experiment (10) 3-phase winding rotor asynchronous motor features (2-4 hours)

Experiment (11) capacitive 1-phase asynchronous motor features (2-4 hours)

Experiment (12) 3-phase synchronous motor features (2-4 hours)

Experiment (13) 3-phase asynchronous motor rotation control circuit (2 hours)

Experiment (14) Bench automatic forward-back movement control circuit (2 hours)

Experiment (15) 3-phase asynchronous motor sequence control circuit (2 hours)

Experiment (16) 3-phase asynchronous motor Y-? start control circuit (2 hours)

Experiment (17) 3-phase asynchronous motor ener-consumption circuit (2 hours)

Experiment (18) 3-phase winding rotor asynchronous motor start control circuit (2 hours)

Experiment (19) C620 Lathe Electrical Control Circuit (2 hours)