

# Specification

S/L	Name and Features	Specification																				
01	Work Station	Wheel Mounted, one door cabinet with lock, total dimation H x W x D (1640 x 930 x800)mm. Net weight 72kg.																				
02	Power Supply																					
	Input	Voltage AC 220V/380V, 50Hz Current 15 Ampere																				
	Output	Fixed AC, 3phase 220V/380V, 50Hz, 10A Fixed AC, 1phase 220V/380V, 50Hz, 1A Variable AC 0-240V/415V, 50Hz, 7A Fixed DC 220V, 5A Variable DC 0-240V, 7A																				
03	Electro Dynamometer	Torque 0.2-3.2 N-m, Speed 250-4000 r/min Supply: 0-240V DC																				
04	Three Phase Transfoermer module	Primary 240V, Secondary 120-120 Volt, 600VA, 50Hz Three Phase Transformer, Consists of 3 individual single phase 600VA transformer																				
05	Squirrel Cage Induction Motor	3phase, 220V/380V, 50Hz, 320W, 1400r/min																				
06	Split Phase Motor	180W, 220V, 2.8A, 50Hz 1400r/min																				
07	DC Motor/Generator																					
	Motor rating	220V, 350W, 1500r/min, 3.5A																				
	Generator rating	220V, 210W, 1500r/min, 2.10A																				
08	Synchronous Motor/Generator																					
	Motor rating	220V/380V, 3phase 1500r/min, 1.2A																				
	Generator rating	220V/380V, 3phase, 1500r/min, 0.5A																				
09	Synchronizing Module	3lamps with TPDT switch, 0-100Hz, 415V																				
10	Three Phase Resistive Load	<table border="1"> <thead> <tr> <th>Ohm</th> <th>Load</th> <th>Tolarence</th> <th></th> </tr> </thead> <tbody> <tr> <td>800</td> <td>294mA</td> <td rowspan="7">± 10%</td> <td rowspan="7">240V/415 50Hz</td> </tr> <tr> <td>1200</td> <td>196mA</td> </tr> <tr> <td>2000</td> <td>118mA</td> </tr> <tr> <td>486</td> <td>490mA</td> </tr> <tr> <td>570</td> <td>414mA</td> </tr> <tr> <td>760</td> <td>316mA</td> </tr> <tr> <td>390</td> <td>610mA</td> </tr> </tbody> </table>	Ohm	Load	Tolarence		800	294mA	± 10%	240V/415 50Hz	1200	196mA	2000	118mA	486	490mA	570	414mA	760	316mA	390	610mA
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13	Connecting Cables	Banana-Banana, 1.25meter length, 15A, 25cs set																				



db-tech, DB-609

ELECTRICAL MACHINE LAB

## GENERAL DESCRIPTION

The DB-609 Electrical Machine Lab training system is an ideal training system for electrical power & energy conversion lab. The DB-609 system is completed with the modules are: 01. Three phase AC & DC power supply, 02. Synchronous motor/generator, 03. DC motor/generator, 04. Squirrel cage induction motor, 05. Elecrdynamometer, 06. Three phase transformer module, 07. Single phase transformer, 08. Three phase resistive load, 09. Three capacitive load, 10. Three phase inductive load, 11. Synchronizing module, 12. Digital techometer, 13. Banana-banana connector, 14. Instruction manual, 15. Mobile consol work station.