

MOTOR / GENERATOR / CUT AWAY UNIT

Model Number : GOTT-MGC-609

DESCRIPTION

Electrical machines convert electrical energy into mechanical energy or vice versa. A fundamental distinction can be drawn between DC, AC and three-phase machines.

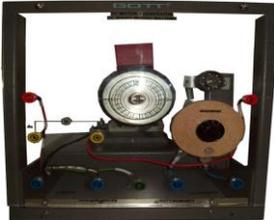
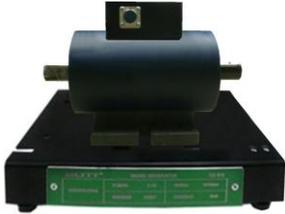
GOTT provides various categories of electric motor for different application. This allows students to understand the characterization and specification of motors.

The machines used for training in electrical engineering are designed so that nearly all of the circuitry and drives found in industry, commerce and at home can be conveyed in a didactic fashion in hands-on training. Using the servo drive and braking system it is possible to easily determine all of the relevant data for electrical machines.

MOTOR-GENERATOR UNIT							
PERMANENT SPLIT CAPACITOR MOTOR	CODE 159-003	THREE PHASE INDUCTION MOTOR	CODE 159-004	SINGLE PHASE SYNCHRONOUS MOTOR	CODE 610-002	SINGLE PHASE CAPACITOR START INDUCTION MOTOR	CODE 610-003
Power : 250W Voltage: 240VAC Current: 1A Frequency: 50HZ Speed: 1400rpm		Power: 170W Voltage: 415VAC Current: 0.45A Connection: Δ & Y Speed: 1500rpm		Power: 250W Voltage: 240VAC Current: 2.2A Speed: 1725rpm		Power: 200W Voltage: 240VAC Current: 2.5A Speed: 1725rpm	
							
THREE PHASE WOUND ROTOR INDUCTION MOTOR	CODE 611-002	THREE-PHASE SYNCHRONOUS GENERATOR	CODE 159-005	THREE PHASE SALIENT POLE SYNCHRONOUS MOTOR	CODE 611-004	DC SEPARATELY EXCITED MOTOR	CODE 159-002
Power: 100W Voltage: 415VAC Current: 0.55A Excitation Voltage: 12VDC Connection: Δ & Y Speed: 1400rpm		Power: 170W Voltage: 415VAC Current: 0.43A Excitation Voltage: 12VDC Excitation Current: 1.4A Connection: Y Speed: 1500rpm		Power: 300W Voltage: 415VAC Current: 1.17A Excitation Voltage 12VDC Excitation Current: 0.3A Speed: 1800rpm		Power: 240W Voltage: 240VDC Current: 1.0A Excitation Voltage: 240VDC Excitation Current: 1.0A Speed: 1500rpm	
							
DC COMPOUND MOTOR	CODE 159-001	DC PERMANENT MAGNET MOTOR	CODE 612-003	TACHO GENERATOR	CODE 159-017	ELECTROMAGNETIC BRAKER	CODE 731-990
Power: 240W Voltage: 240VDC Current: 1A Speed: 1500rpm Excitation Voltage: 240VDC Excitation Current: 0.5A		Power: 200W Voltage: 240VDC Current: 2A Speed: 1500rpm		Speed: 2000rpm Output: Max. 20VDC		Maximum braking torque: 10Nm Maximum rotating speed: 6000 rpm	
							

MOTOR / GENERATOR / CUT AWAY UNIT

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<p>SYNCHRONOUS MOTOR (CUT AWAY)</p>	<p>CODE 613-001</p>	<p>INDUCTION SQUIRREL CAGE MOTOR (CUT AWAY)</p>	<p>CODE 613-002</p>	<p>OPENED TYPE COMPRESSOR TWIN CYLINDER (CUT AWAY)</p>	<p>CODE 613-003</p>	<p>RECIPROCATING HERMETIC COMPRESSOR (CUT AWAY)</p>	<p>CODE 613-004</p>
<p>Motor is cut way to show slip ring, brushes, rotor, stator, windings, poles, ball bearing and etc.</p> 		<p>Motor is cut way to show squirrel cage, brushes, rotor, stator, windings, poles, ball bearing and etc.</p> 		<p>Opened/Sectioned Air Conditioning Compressor</p> 		<p>Opened/Sectioned Air Conditioning Compressor</p> 	
<p>THREE PHASE SLIP RING MOTOR</p>	<p>CODE 243-000</p>	<p>PRONY BRAKE</p>	<p>CODE 019-000</p>	<p>DC SHUNT WOUND MOTOR</p>	<p>CODE 612-004</p>	<p>DC MACHINE</p>	<p>CODE 612-005</p>
<p>Power: 1.5kW Voltage: 415V Type: 4 Pole Speed: 15000rpm</p> 		<p>Prony brake with resistant ribbon Mechanical braking action and dynamometer Power: 500W / Speed: 3000 rpm</p> 		<p>Power: 100W Voltage: 240VDC Current: 0.5A Speed: 1600rpm (With variable resistor 3k ohm)</p> 		<p>Power: 200W Voltage: 240VDC Current: 2A Speed: 1500rpm (With variable resistor 3k ohm)</p> 	
<p>RPM / TORQUE METER</p>	<p>CODE 609-001</p>	<p>TORQUE & RPM SENSOR</p>	<p>CODE 609-002</p>	<p>DC DRIVE CONTROLLER</p>	<p>CODE 609-003</p>	<p>DC SERIES MOTOR</p>	<p>CODE 609-004</p>
<p>Input Signal : NPN, PNP type voltage pulse Accuracy : ±0.02% Measurement frequency range : 1Hz~25kHz Required: Torque & RPM Sensor (Code: 609-003)</p> 		<p>Torque : 0 ± 20Nm Voltage : ± 15VDC Signal : 60 pulse per turn Range : 5-15Khz Accuracy : 0.5 Required: RPM/Torque Meter (Code: 609-001)</p> 		<p>Input : 240VAC Output : 0-220VDC Required: DC Series Motor (Code:609-004)</p> 		<p>Power : 1 HP Voltage : 200V Current : 4.9A Speed : 1500rpm Required: DC Series Drive Controller (Code:609-003)</p> 	

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms:

- (1) Accessories will be provided where applicable
- (2) Manuals & Training will be provided where applicable
- (3) Designs & Specifications are subject to change without notice
- (4) We reserve the right to discontinue the manufacturing of any product

Warranty:

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
MOTOR / GENERATOR/CUT AWAY UNIT	GOTT- MGC-609	609-000

* Proposed design only, subject to changes without any notice.