

Specifications**DC integrated Machine - Order Code - 69032**

Watts : 375W,
Rating : 0.5 HP,
Armature Voltage : 180V,
Field Voltage : 220V,
Speed : 1500 RPM

This machine can run as DC Shunt – Series and Compound Motor as well as Generator with different voltage / power / RPM rating.

**DC Shunt Motor coupled with DC Shunt Generator - Order Code - 69034**

Watts : 0.3KW,
Rating : 0.5 HP,
Armature Voltage : 180V,
Field Voltage : 220V,
Speed : 1500 RPM

0.5 HP / 180 V Armature / 220 V Field / 1500 RPM DC Shunt Motor coupled with 0.3 KW / 220 V / 1500 RPM DC Shunt Generator with base and couplings.

**Single Phase squirrel Cage Induction Motor - Order Code - 69035**

Watts : 0.3KW,
Rating : 1 HP,
Field Voltage : 220V, 50Hz
Speed : 1420 RPM

Capacitor start Induction run / 1 Ph. / 50 Hz. / sq. Cage Induction Motor with all terminals of windings and capacitor & switch brought out for various connections & Mechanical loading arrangement.

**3 Phase / AC squirrel Cage Induction Motor - Order Code - 69036**

Watts : 750W
Rating : 1.0 HP
Voltage : 415V
Speed : 1420 RPM

750 W / 1.0 HP / 415 V / 1420 RPM / Star connected / 3 Phase / TEFC / IE 2 Cl. Efficiency / AC sq. Cage Induction Motor. Frame 80 With Mechanical loading arrangement. 750 W / 1.0 HP / 415 V / 1420 RPM / Star connected / TEFC / 3 Phase / AC sq. Cage Induction Motor Frame :

**DC Shunt wound Motor - Order Code - 69037**

Rating : 0.5 HP,
Armature Voltage : 180V (2.6A)
Field Voltage : 220V (0.3A)
Speed : 1500 RPM

DC Shunt wound Motor with Mechanical loading arrangement having two no. linear scales for torque measurement.

Note: Specifications are subject to change.

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Specifications



DC Series Motor - Order Code - 69038

Rating : 1.0 HP

Voltage : 180V

Speed : 1500 RPM

DC Series Motor with Mechanical loading arrangement having two no. linear scales for torque measurement



Induction motor coupled with Shunt DC Generator and Shunt DC motor

Order Code - 69039

Squirrel Cage

Induction Motor

Type : Salient Pole

Phase : Three Phase AC

Rating : 1 HP

Voltage rating : 415 V

Speed : 1440 (No Load)

DC Shunt Generator

Type : Shunt

Rating : 1 HP

Voltage Rating : 200V

Speed : 1500 RPM (no load)

Insulation : Class 'B'

DC Shunt Motor

Type : Shunt

Rating : 1/2 HP

Voltage Rating : 200V

Speed : 1500 RPM (no load)

Insulation : Class 'B'



Base & Couplings - Order Code - 69040A-69040C

Base & Couplings for

1. 1/2HP to connect 2 motors or 1 motor or 1 Generator
2. 1 HP to connect 2 motors or 1 motor or 1 Generator
3. 2 or 3 HP to connect 2 motors or 1 motor or 1 Generator



Mechanical Loading Arrangement - Order Code - 69041

Mechanical Loading Arrangement without Motor

Rotor Resistance starter - Order Code - 69042

Rotor Resistance starter for above motor consisting Resistance in rotor circuit operated in 3 step interlocked with DOL starter.

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Specifications



DOL Starter Single Phase - Order Code - 69043
For Above motors

Automatic Star to Delta Starter Three Phase - Order Code - 69044
For Above motors



DC Shunt Motor Coupled With 3 Phase Alternator - Order Code - 69045
Rating : 3 HP
Voltage : 220V-180V / 415V
Speed : 1500 RPM
 3 HP/180-220V/1500RPM/DC Shunt Motor Coupled With 2 KVA/415V/1500RPM/3 Phase Alternator



Three Phase Synchronous Motor Coupled with DC Machine - Order Code - 69047

<p>Three Phase Synchronous Motor Type : Salient Pole Rating : 3 HP Voltage rating : 415V ±10% Speed : 1500 RPM Insulation : Class 'B' Excitation Voltage : 120V</p>	<p>DC Machine (Acts as generator) Type : Shunt Rating : 2 HP Voltage Rating : 200V Speed : 1500 RPM (no load) Insulation : Class 'B'</p>
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DC Machine Coupled with Three Phase Synchronous Motor - Order Code - 69048

<p>DC Machine (Acts as Prime Mover) Type : Shunt Rating : 2 HP Voltage Rating : 220V ±10% Speed : 1500 RPM (no load) Insulation : Class 'B'</p>	<p>Three Phase Synchronous Motor (As generator) Type : Salient Pole Rating : 3 HP Voltage rating : 415V ±10% Speed : 1500 RPM Insulation : Class 'B' Excitation Voltage : 120V</p>
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3 Phase / Sq. Cage Induction Motor With Dhalandar Winding - Order Code - 69049
Rating : 0.5HP-1.0HP, **Voltage :** 415V 50Hz, **Speed :** 1440-2880 RPM
 0.5 HP – 1.0 HP / 415 V / 50 Hz. / 1440 – 2880 RPM / 3 Phase / Sq. cage Induction Motor with dhalandar winding for pole changing – 2 speed operation. Frame : 100.
 Squirrel Cage Induction Motor, Power Rated - 1 HP, Rated Voltage - 415V, RPM – 3000. Note - we Need open Winding connection to run motor on 1500 RPM as well as 3000 RPM

Note: Specifications are subject to change.

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Specifications



Three Phase Induction Motor Coupled with DC Machine -

Order Code - 69050

Three Phase Induction Motor

Type : Squirrel Cage
Rating : 2 HP
Voltage rating : 415V AC
Speed : 1440 RPM (no load)
Insulation : Class 'B'

DC Machine (Acts as generator)

Type : Compound
Rating : 1 HP (also available with 2HP & 3HP)
Speed : 1500 RPM (no load)
Insulation : Class 'B'

Both the Machines are flexibly coupled and mounted on a 'C' Channel base



DC Motor Coupled with DC Generator - Order Code - 69051

DC Motor (acts as prime mover)

Type : Shunt
Rating : 1 HP
Voltage rating : 200V
Speed : 1500 RPM (no load)
Insulation : Class 'B'

DC Generator

Type : Series
Rating : 1 HP (also available with 2HP & 3HP)
Speed : 1500 RPM (no load)
Insulation : Class 'B'

Both the Machines are flexibly coupled and mounted on a 'C' Channel base



DC Machine Coupled with DC Machine - Order Code - 69052

DC Machine (acts as prime mover)

Type : Compound
Rating : 1 HP
Voltage rating : 200V
Speed : 1500 RPM
Insulation : Class 'B'

DC Machine (Acts as generator)

Type : Compound
Rating : 1 HP (also available with 2HP & 3HP)
Voltage Rating : 200V
Speed : 1500 RPM (no load)
Insulation : Class 'B'



DC Machine Coupled with DC Machine - Order Code - 69053

DC Machine (acts as prime mover)

Type : DC Series
Rating : 2 HP
Voltage rating : 220V $\pm 10\%$
Speed : 1500 RPM $\pm 5\%$
Insulation : Class 'B'

DC Machine (Acts as generator)

Type : DC Shunt
Rating : 1 HP
Current : 4.1A
Voltage Rating : 180V $\pm 10\%$
Speed : 1500 RPM $\pm 7.5\%$
Insulation : Class 'B'

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