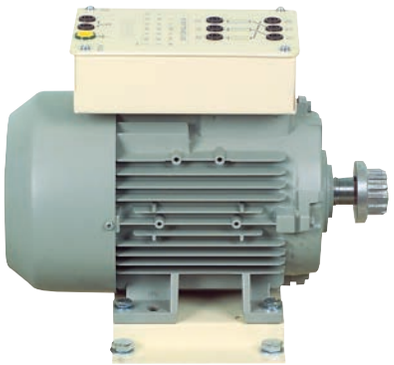
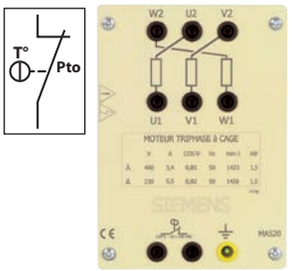
ROTARY MACHINES 1500RPM — RANGE 3000W

3-PHASE SQUIRREL CAGE INDUCTION MOTOR



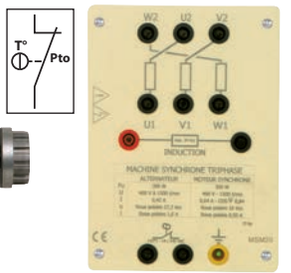


These engines work as well with **a speed variator** as directly connected to a **3-phase supply.**

REF	U (V)	I (A)	H	B	L	Weight
MAS32*	230/400V	10.6/6.1	132	216	445	28kg
MAS62*	400V/690V	6.1/3.5	132	216	445	28kg

*IE2

3-PHASE SYNCHRONOUS MACHINE



Works as a synchronous motor and a 3-phase alternator.
Equipped with LEBLANC poles for mains network synchronization.

REF	U en V	H	B	L	Masse
MSM30	230/400V	132	216	490	49kg
MSM30-C1	similar than MSM300 with 1024 points encoder.				

STAR/DELTA STARTER

Manual STAR/DELTA starter into a safety box

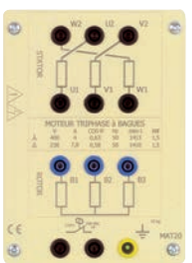
ref. CO-ET-8A

SYNCHRONOSCOPE

Safety laboratory synchronoscope 16A - 400V max.

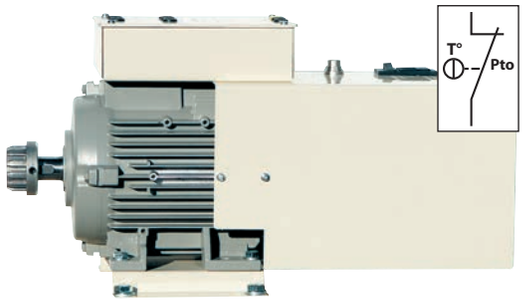
ref. CHR3

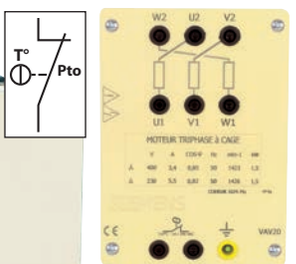
3-PHASE ASYNCHRONOUS SLIP RING INDUCTION MOTOR



REF	U (V)	I (A)	H	B	L	Weight
MAT30	230/400V	13.2 / 7.5	132	216	685	70kg
MAT30-C1	similar than MAT30 with 1024 points encoder.					

3-PHASE ASYNCHRONOUS CAGE MOTOR WITH VECTORIAL CONTROL





Fitted with a 1024 pts encoder and a forced ventilation to run at a slow speed.

REF	U (V)	I (A)	H	B	L	Weight
VAV30	230/400V	10.6 / 6.7	132	216	620	28kg
VAV60	400/690	6.1 / 3.5	132	216	620	28kg

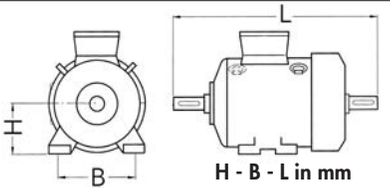
Each machine is equipped with a binary temperature sensor with a contact that can be inserted into a control circuit.

SAFETY STARTER RHEOSTAT

Safety starter rheostat for **high** powerful slip ring machines.

ref. REDA12

The couplings are compatible across a single power range. Coupling and fastening screws provided with each reference number.



H - B - L in mm

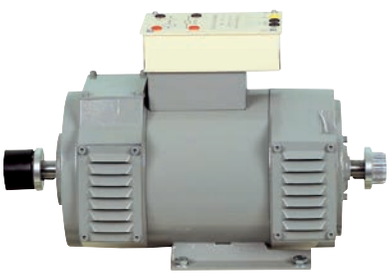
ROTARY MACHINES 1500RPM — RANGE 3000W

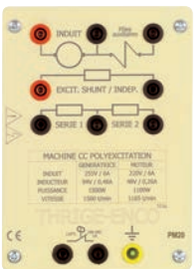
SHUNT / SEPARATED DC MOTOR 220/220V

This engine works as well with **a speed variator** as directly on **a DC supply**.

REF	U (V)	I (A)	H	B	L	Weight
CC30	Multitensions	16.5A with 220V	132	216	550	80kg

POLYEXCITATION COMPOUND DC MOTOR





Designed to be high-performance motor (characteristics below), this machine also works as a generator.

REF	U (V)	I (A)	H	B	L	Weight
PM30	220V	17.9A	132	216	570	83kg

SAFETY STARTER RHEOSTAT

Safety starter rheostat for **high** powerful DC machines.

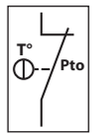
ref. REDA34

SHUNT / SEPARATED DC GENERATOR

Designed for a didactic use.

REF	U (V)	I (A)	H	B	L	Weight
CG30	220V	14.2A	132	216	570	83kg

POLYEXCITATION COMPOUND DC GENERATOR



Designed to be high-performance generator (characteristics below), this machine also works as a motor.

REF	U (V)	I (A)	H	B	L	Weight
PE30	270V	13.6A	132	216	570	83kg

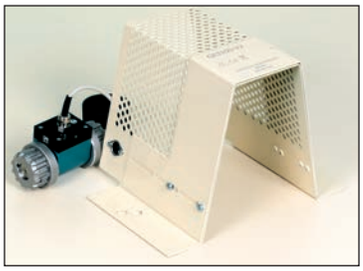
POWDER BRAKE REINFORCED

As the powder brakes of the other ranges, a simple DC current under a low voltage around 14V generates a constant braking torque for all the speeds between 0 to 1500 rpm.
This reinforced model is composed of 2 independent units and linked together by the rotating shaft. Thanks to this power distribution, dissipation of energy is most effective. An automatic monitoring avoid the functioning of only one unit or if the ventilation is not complete.
The measure of the torque required a rotating unit (see page 58) which needs to be placed indifferently on the left or on the right.
Maximum rotating unit: 1800 rpm

REF	FP332
Voltage/Current max for blocking	14V / 0.8A
Max torque	80Nm
H / B / L in mm	132 x 216 x 720
Weight	86kg
Ventilation (MAINS 230V)	Fan

ACCESSORIES FOR ROTARY MACHINES - **3000W**

TORQUE SENSORS



** The use of an inertia wheel + a rotary sensor (CR design) between the motor and the brake gives starting torques which can go to 7 times the operating torque.*

BRUSHLESS VERSION

These brushless torque sensors have to be placed between 2 machines and measure the torque sensor V2 and the twist torques and speeds for the version V22. It is equipped with an optical torque so without mechanical wear and maintenance, with a dynamic range allowing to measure some important torque changes and high speeds. The values of starting are so easily measurable.

Torque output signal: 0 to 5V for the measuring span in Nm (0 to -5V according the rotating way).

Maximum rotating speed: 2000 rpm

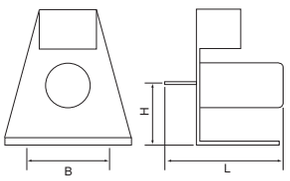
Sensor supply: between 12 and 28 VDC

REF	Power	Sensor range	Speed output	L mm	Use with an important inertia
CR3-V2*	3000W	50 Nm	no	220	no*
CR3-V22*	3000W	50 Nm	5V at 2500 rpm	220	no*
CR3-100-V2	3000W	100 Nm	no	220	Yes
CR3-100-V22	3000W	100 Nm	5V at 2500 rpm	220	Yes

Connecting cable and protection casing supplied with all our sensors.

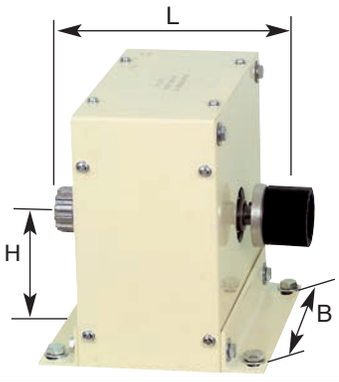
DC TACHOGENERATORS

These tachogenerators deliver a continuous voltage proportional to the rotating speed.
Supplied complete with couplings, housings and screws bolt.



REF	Power	Voltage at 1000 rpm	Connector	H (mm)	B (mm)	L (mm)
DYTA3	3000W	10V	Terminals	132	216	130

INERTIA WHEEL



This inertia wheel allows to simulate rotary machines with a high moment of inertia.
Supplied with 1 coupling + 1 cover + screws.

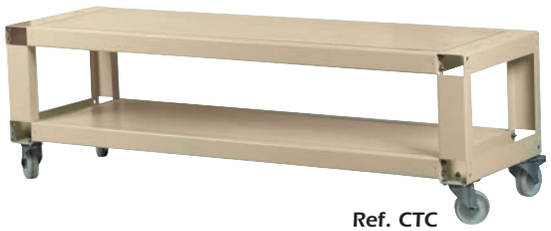
REF	VOL3
For power	**3000W**
Inertia	0.2kg/m²
Weight	40kg
H	132mm
B	216mm
L	220mm

MOTORS STAND ON WHEELS & GUIDE RAILS

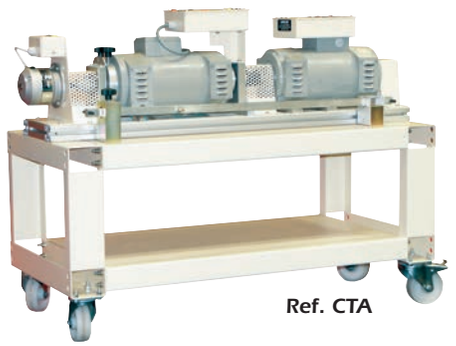
Designed to transport a complete set of machines. 4 wheels, 2 of them with a brake.

REF	Useful Length	Width	Height	Weight
CTA	950mm	470mm	500mm	30kg
CTB	1300mm	470mm	500mm	30kg
CTC	1610mm	470mm	500mm	39kg
CTH	1610mm	470mm	845mm	45kg
CTL	1900mm	470mm	500mm	45kg

Ref. CTH



Ref. CTC

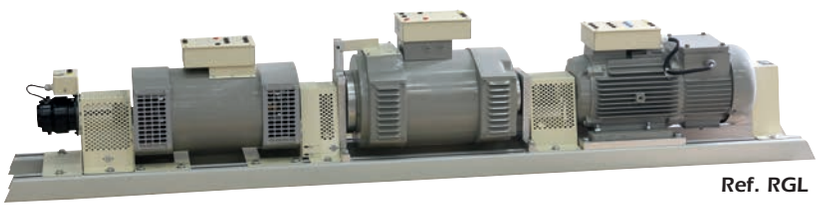


Ref. CTA

These rails will be used for aligning and fixing the machines constituting of the made up groups according to your own configuration.
With each pair of guide rails are included 2 end of shaft protective covers and 1 intermediate housing.
All the powder brakes are delivered on guide rails. Total width: 212mm

REF	Power	Overall length	Pitch of rails	Weight
RGA *	1500/3000W	950mm	190/216mm	16kg
RGC	1500/3000W	1600mm	190/216mm	24kg
RGL**	1500/3000W	1900mm	190/216mm	28kg

*RGA is only compatible with the stand on wheels CTA
*RGL is only compatible with the stand on wheels CTL



Ref. RGL

Ref. RGC