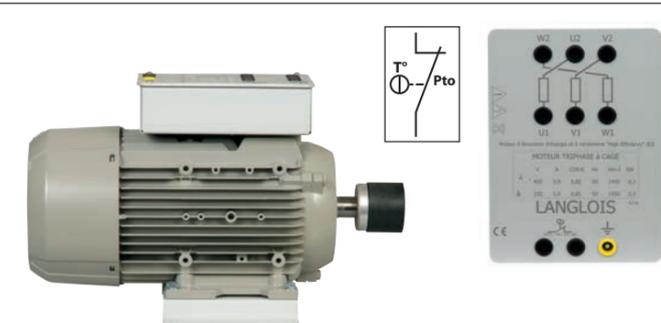


ROTARY MACHINES

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

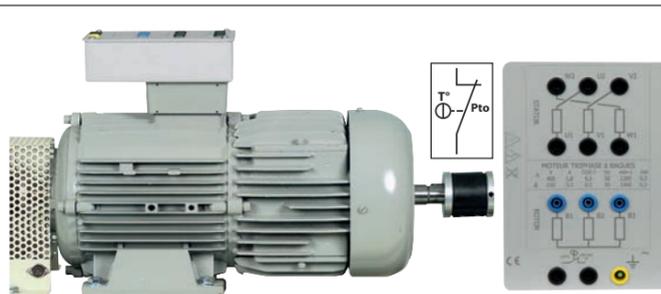
DEMARREUR ETOILE/TRIANGLE

Démarreur étoile / triangle manuel en boîtier de sécurité

ref. CO-ET-8A



3-PHASE ASYNCHRONOUS SLIP RING INDUCTION MOTOR



REF	U (V)	I (A)	H	B	L	Weight
MAT30	230/400V	12.1 / 7	132	216	685	63kg
MAT30-C1	similar than MAT30 with 1024 points encoder.					

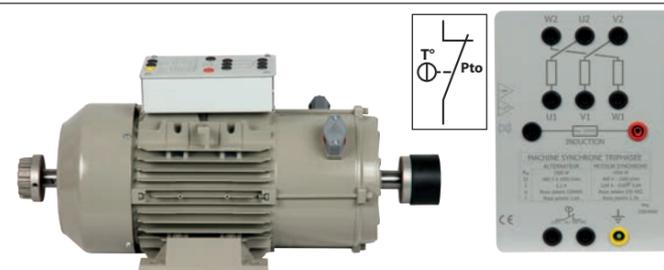
RHEOSTAT DE DEMARRAGE

Rhéostat de démarrage de sécurité pour moteur à bagues de forte puissance

ref. REDA12



3-PHASE SYNCHRONOUS MACHINE



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

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

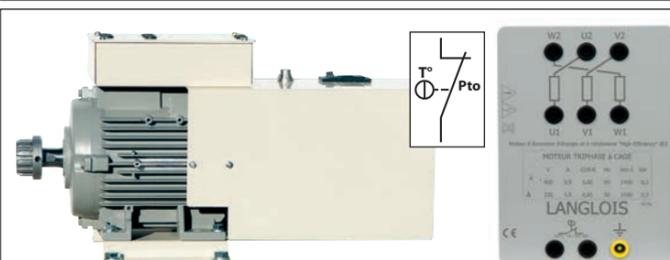
Pole wheel voltage 180Vdc / 0.8A.

SYNCHRONOSCOPE

ref. CHR4



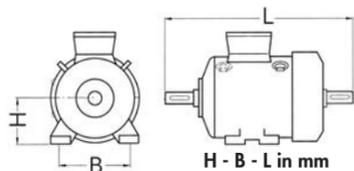
3-PHASE ASYNCHRONOUS CAGE MOTOR WITH VECTORIAL CONTROL



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

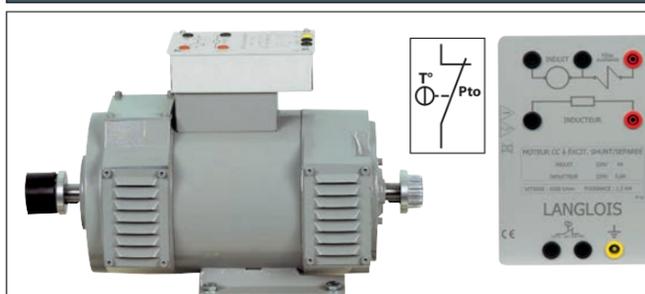
REF	U (V)	I (A)	H	B	L	Weight
VAV30	230/400V	10.6 / 6.1	132	216	620	35kg
VAV60	400/690V	6.1 / 3.5	132	216	620	35kg

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



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

SHUNT / SEPARATED DC MOTOR 220/220V

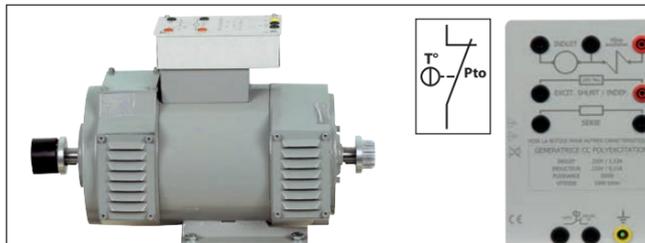


This engine works as well with a speed variator as directly on a DC supply.

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

Inductor 220V/1.17A

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	13A	132	216	570	83kg

Inductor 125V/0.6A

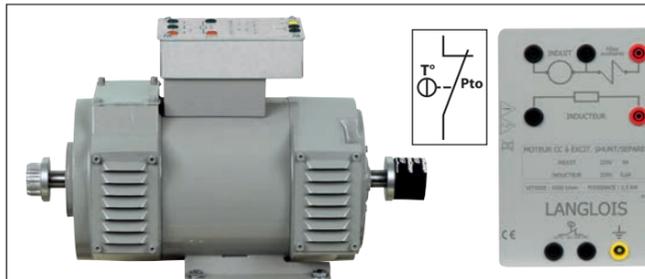
RHEOSTAT DE DEMARRAGE

Rhéostat de démarrage de sécurité pour moteur CC de forte puissance

ref. REDA34



SHUNT / SEPARATED DC GENERATOR

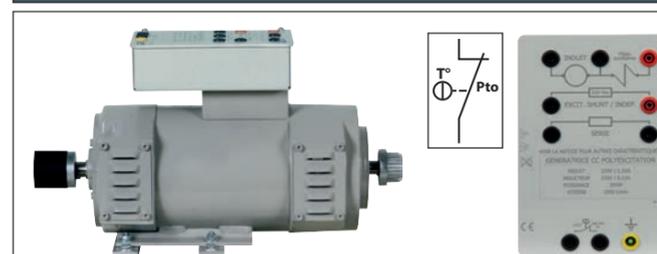


Designed for a didactic use.

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

Inductor 175V/0.85A

POLYEXCITATION COMPOUND DC GENERATOR

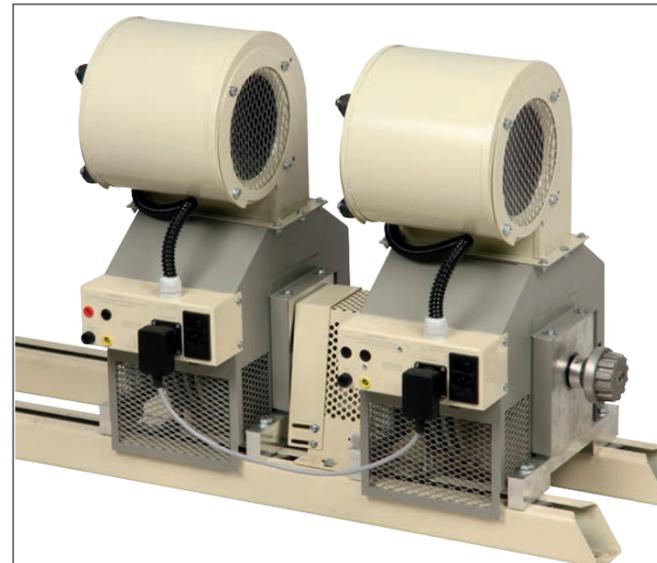


Designed to be high-performance generator (characteristics below), this machine also works as a motor.

REF	U (V)	I (A)	H	B	L	Weight
PE30	270V	11.2A	132	216	570	80kg

Inductor 70V/0.4A

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.

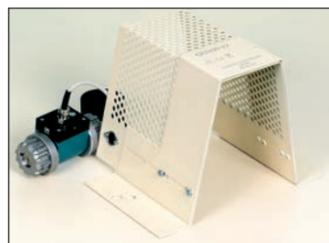
The measure of the torque required a rotating unit which needs to be placed indifferently on the left or on the right.

Maximum rotating unit: 1800 rpm

Ref.	FP332-2
Voltage/Current max for blocking	14Vcc / 0.8A
Max torque	80Nm
H / B / L en mm	132 x 216 x 720
Weight	86kg
Ventilation (MAINS 230V)	Fan

ACCESSORIES FOR 300W ROTARY MACHINES

BRUSHLESS TORQUE SENSORS WITH OR WITHOUT SPEED OUTPUT



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

Réf	For 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 to 2500 rpm	220	no*

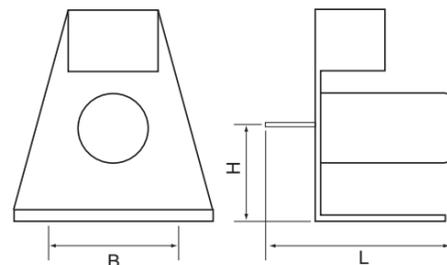
* The use of an inertia wheel + a rotary sensor (CR design) between the motor and the brake gives starting torques which can go to 7 times the operating torque.

Connecting cable and protection casing supplied with all our sensors.

DC TACHOGENERATORS

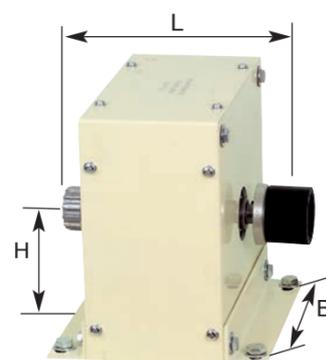


These tachogenerators deliver a continuous voltage proportional to the rotating speed. Supplied complete with couplings, housings and screws bolt.



Réf.	Power	Voltage at 1000 rpm	Connector	H (mm)	B (mm)	L (mm)
DYTA3	3000W	10V	Bornes de sécu.	132	216	130

INERTIA WHEELS



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/m ²
Weight	40kg
H	132mm
B	216mm
L	220mm

GUIDE RAILS

These rails will be used to align and secure the machines forming groups composed according to your own configuration. The two rails are joined by two shaft end covers and one intermediate cover. Total width: 212 mm.

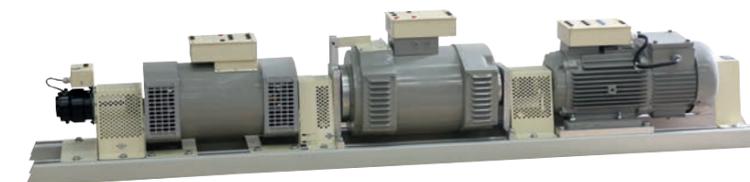
*RGA is only compatible with the CTA motor stand on wheels

**RGL is only compatible with the CTL motor stand on wheels



Ref. RGC30

Réf.	Power	Overall length	Pitch of rails	Weight
RGA30*	3000W	950mm	190/216mm	16kg
RGC30	3000W	1600mm	190/216mm	24kg
RGL30**	3000W	1900mm	190/216mm	28kg



Ref. RGL30

CASTER OPTIONS FOR A MOBILE SOLUTION WITHOUT MOTOR STAND



This economical option consists of fixing 4 or 6 castors equipped with brakes directly under the rails. This solution effectively replaces a chair with casters and allows you to easily move your motor unit.

This solution raises the assembly by 170mm.

4-wheel solution
compatible with RGA rails
ref. ROU-4



6-wheel solution
compatible with RGC - RGL rails
ref. ROU-6

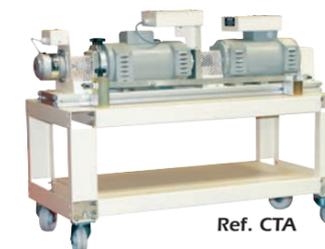
MOTORS STAND ON WHEELS

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

Réf.	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. CTA



Ref. CTC

Handle option

ref. OP-CT

