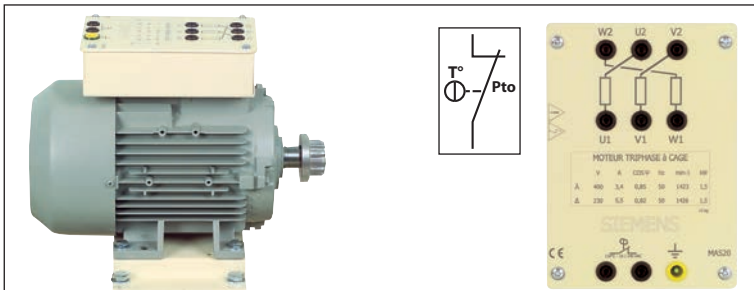


ROTARY MACHINES 1500RPM

RANGE 1500W

3-PHASE SQUIRREL CAGE INDUCTION MOTOR

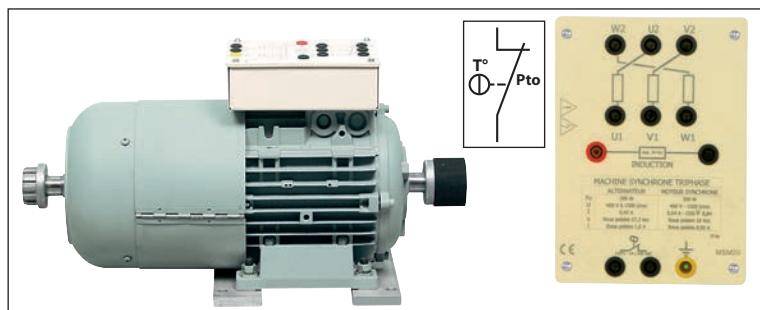


These engines work as well with a speed variator as directly connected to a 3-phase supply.

REF	U (V)	I (A)	H	B	L	Weight
MAS22*	230/400V	5.7/3.3	112	190	355	20kg
MAS52*	400V/690V	3.3/1.9	112	190	355	20kg

*IE2

3-PHASE SYNCHRONOUS MACHINE



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

REF	U (V)	H	B	L	Weight
MSM20	230/400V	112	190	470	48kg

STAR/DELTA STARTER

Manual STAR/DELTA starter into a safety box

ref. CO-ET-8A



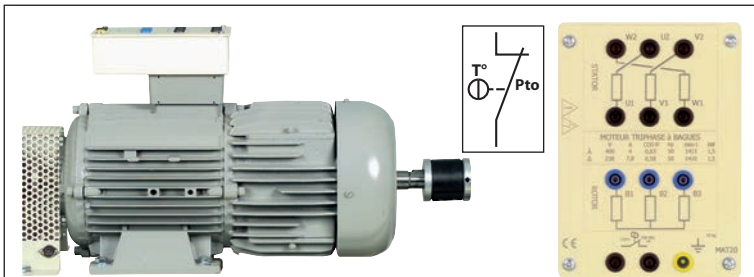
SYNCHRONOSCOPE

Safety laboratory synchronoscope 16A - 400V max.

ref. CHR3

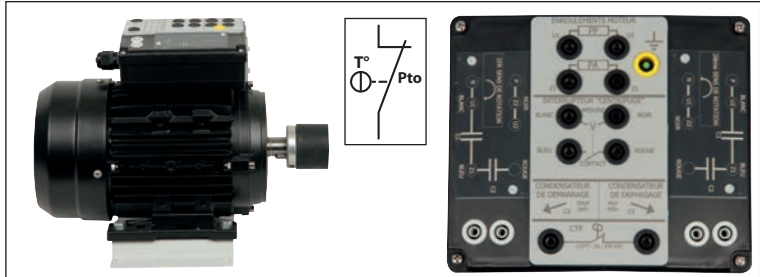


3-PHASE ASYNCHRONOUS SLIP RING INDUCTION MOTOR



REF	U (V)	I (A)	H	B	L	Weight
MAT20	230/400V	6.4 / 3.7	112	190	665	43kg
MAT20-C1	similar than MAT20 with 1024 points encoder.					

SINGLE PHASE MOTOR WITH 2 CAPACITORS



2 capacitors, 1 starting and 1 running

REF	U (V)	I (A)	H	B	L	Weight
MO20	230V	9A	112	190	350	17kg

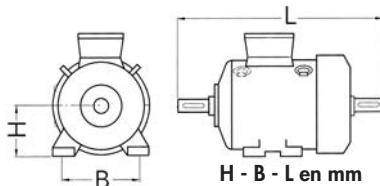
SAFETY STARTER RHEOSTAT

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

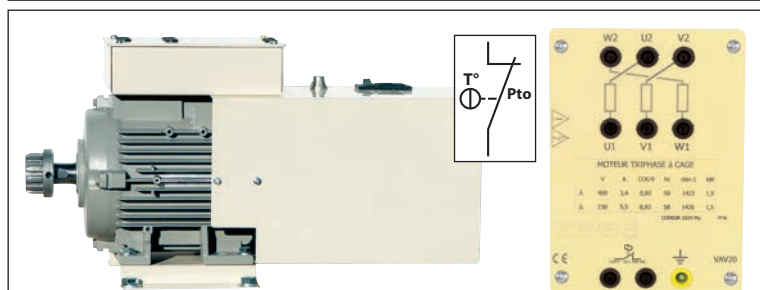
ref. REDA12



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



3-PHASE ASYNCHRONOUS CAGE MOTOR WITH VECTORIAL CONTROL



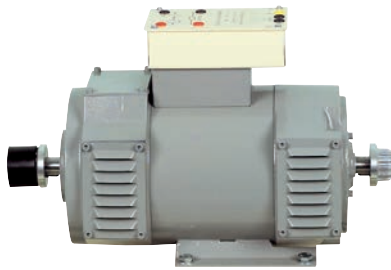
Fitted with a 1024 pts encoder and a forced ventilation to run at slow speed

REF	U (V)	I (A)	H	B	L	Weight
VAV20	230/400V	5.9 / 3.4	112	190	580	24kg
VAV50	400/690V	3.4 / 1.95	112	190	580	24kg

ROTARY MACHINES 1500RPM

RANGE 1500W

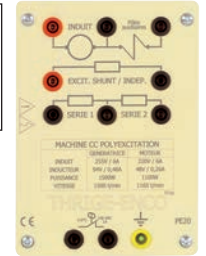
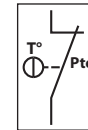
SHUNT / SEPARATED DC MOTOR 220/220V



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

REF	U (V)	I (A)	H	B	L	Weight
CC20	220/220V	9A with 230V	112	190	510	51kg

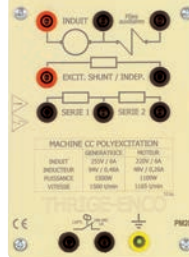
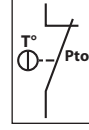
POLYEXCITATION COMPOUND DC GENERATOR



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

REF	U (V)	I (A)	H	B	L	Weight
PE20	255V	6A	112	190	510	53kg

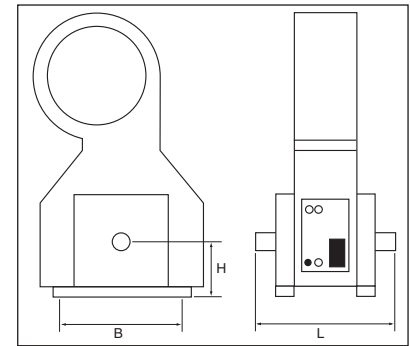
POLYEXCITATION COMPOUND DC MOTOR



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

REF	U (V)	I (A)	H	B	L	Weight
PM20	220V	7.6A	112	159	483	53kg

POWDER BRAKE



POWDER BRAKE PRINCIPLE

The DC current injected into the brake coil creates a field which causes the magnetic powder placed in the air gap to agglomerate. The braking torque is proportional to the field current alone; in particular it is independent of the speed of rotation. Waste heat is eliminated by forced ventilation. A circuit breaker cuts the field current in the event of the brake overheating.

REF	FP2
Voltage/Current max for blocking	10V / 0.5A
Max torque	65Nm
H / B / L in mm	112 x 190 x 356
Weight	43kg
Ventilation	Fan

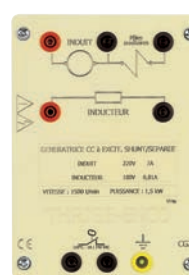
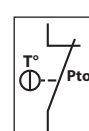
STARTER RHEOSTAT

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
CG20	240V	7A	112	190	510	53kg

TACHOMETER FOR 1024PTS ENCODER



ref. VICOD

SPEED VARIATOR

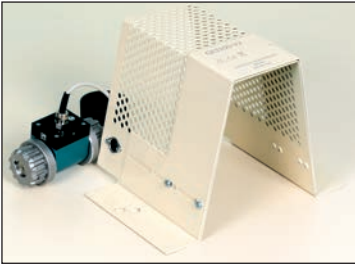
ref. VCV52



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

ACCESSORIES FOR ROTARY MACHINES - 1500W

TORQUE SENSORS



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

* 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.

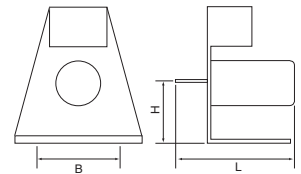
REF	Power	Sensor range	Speed output	L mm	Use with an important inertia
CR2-V2*	1500W	50 Nm	no	220	no*
CR2-V22*	1500W	50 Nm	5V at 2500 rpm	220	no*
CR2-100-V2	1500W	100 Nm	no	220	Yes
CR2-100-V22	1500W	100 Nm	5V at 2500 rpm	220	Yes

Connecting cable and protection casing supplied with all our sensors.

DC TACHOGENERATORS

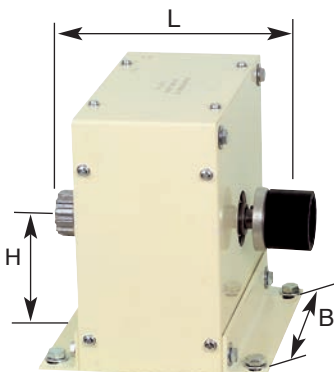


These tachogenerators deliver a continuous voltage proportional to the rotating speed. Supplied complete with couplings, housings and screws bolt.



REF	Power	Voltage at 1000 rpm	Connector	H (mm)	B (mm)	L (mm)
DYTA2	1500W	10V	Terminals	112	190	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	VOL2
For power	1500W
Inertia	0.2kg/m ²
Weight	39kg
H	112mm
B	190mm
L	220mm

MOTORS STAND ON WHEELS & GUIDE RAILS

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

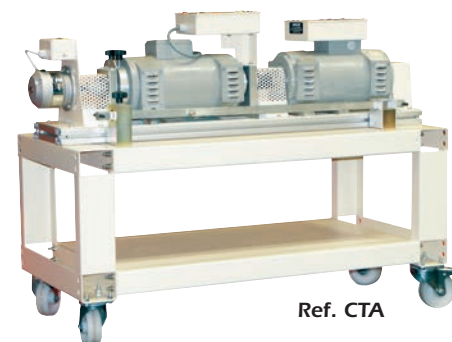
REF	Useful Length	Width	Height	Weight
CTA	950mm	470mm	500mm	30kg
CTB	1300mm	470mm	500mm	30kg
CTC	1610mm	470mm	500mm	39kg
CTH	1610mm	470mm	845mm	45kg
CTL	1900mm	470mm	500mm	45kg



Ref. CTH



Ref. CTC



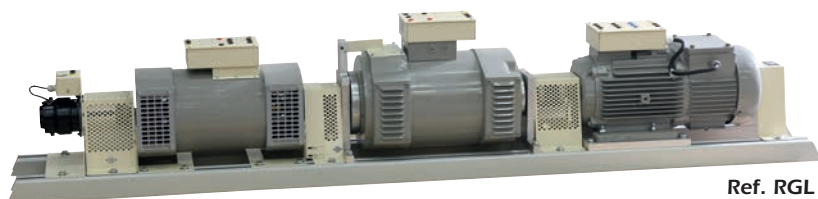
Ref. CTA

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