

ALTERNATORE TRIFASE IN TERRE RARE 12 POLI Ø95 mm

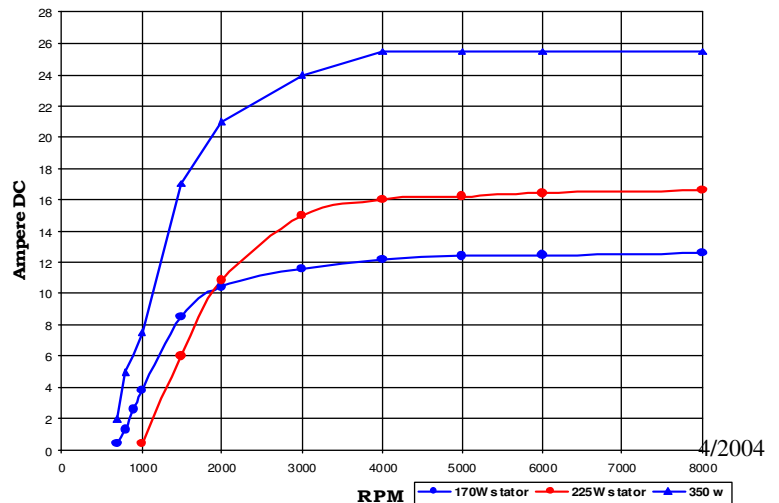
12 POLE THREE PHASE IN RARE EARTH FLYWHEEL MAGNETO Ø95 mm



Diametro esterno rotore : 95 mm.
Diametro statore: 84mm
Diametro centraggio statore: 31 mm
Potenza : 170 – 225 – 350W a 12 V
Rotazione massima : 15000 rpm
Momento di inerzia = 10 kg cm²
Regolatore : Shunt
Applicazioni : ricarica batteria per applicazione motori iniezione (E.F.I.)

Rotor external diameter: 95 mm
Stator external diameter: 84 mm
Centering stator diameter: 31 mm
Power output : 170 – 225 – 350W at 12 V
Max working speed : 15000 rpm
Moment of inertia : 10 kg.cm²
Regulator : Shunt
Applications : battery recharging for engines with electronic fuel injection

r.p.m.	170W A dc	225W A dc	350W A dc
700	0,4	--	2
800	1,3	--	4
900	2,6	--	6
1000	3,8	0,4	7.5
1500	8,5	6	17
2000	10,4	10,8	21
3000	11,6	15	24
4000	12,2	16	25.5
5000	12,4	16,2	25.5
6000	12,5	16,4	25.5
8000	12,6	16,6	25.5

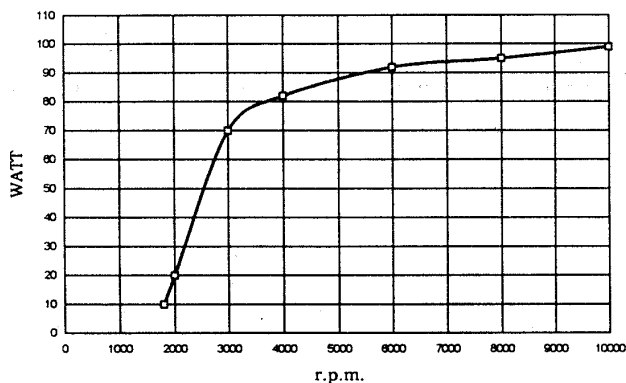


IMPIANTO DI ACCENSIONE ELETTRONICA PER CICLOMOTORI E SCOOTERS
FLYWHEEL MAGNETO ELECTRONIC IGNITION SYSTEM FOR MOPEDS
AND SCOOTERS



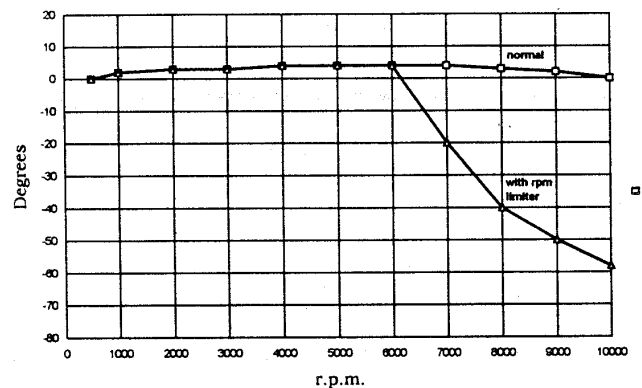
- 1) Volano a magnete : 6 poli con diametro esterno 103 mm
- 2) Accensione elettronica
- 3) Regolatore a 12V con seguenti possibilità di regolazione :
 - a) in corrente alternata
 - b) in corrente continua
 - c) mista in continua e alternata
- Potenza da 60W a 100W a 5000 giri/1'
- Volano idoneo anche per avviamento elettrico
- Rotazione massima : 12000 giri/1'
- Momento d'inerzia (PD²) : 45 Kg cm
- Possibilità di limitazione dei giri con azione sulla curva di anticipo
- Brevettato

Curva di potenza C.A.
A.C. power curve



- 1) Flywheel magneto: 6 pole external diameter 103 mm
- 2) C.D.I. unit
- 3) Regulator with following possible alternatives at 12V :
 - a) a.c. application
 - b) d.c. applications
 - c) a.c. and d.c. applications
- Power output : from 60W to 100W at 5000 rpm
- Flywheel suitable for electric starter
- Max working speed : 12000 rpm
- Moment of inertia(PD²) : 45 Kg cm
- Possibility to use a rpm limiter CDI UNIT with action on the advance curve
- Patented

Curva di fase
Advance curve



IMPIANTO 12 POLI PER FITNESS A BASSO ASSORBIMENTO
12 POLES SYSTEM FOR FITNESS



Diametro esterno rotore: 104 mm.
Diametro statore: 84 mm
Momento di inerzia = 48 kg cm²
Regolatore : SWITCH
Potenza generata: 30W
Applicazioni: fitness

Rotor external diameter: 104 mm
Stator external diameter: 84 mm
Moment of inertia: 48 kg.cm²
Regulator: switch
Output power: 30W
Applications: fitness

SISTEMA BREVETTATO PER USO FITNESS
PATENTED SYSTEM FOR FITNESS APPLICATION

Il sistema brevettato consiste nell'uso di un regolatore SWITCH che riduce l'assorbimento e le vibrazioni, consentendo all'utente uno sforzo regolare e riducendo l'effetto strappo magnetico.

The patented system uses a switch regulator that reduces power absorbtion and vibrations granting to the users to perform a regular effort and reducing the torque ripple effect.

ALTERNATORE A MAGNETI PERMANENTI CON REGOLAZIONE CA-CC
ALTERNATOR WITH PERMANENT MAGNETS WITH A.C.-D.C. REGULATOR

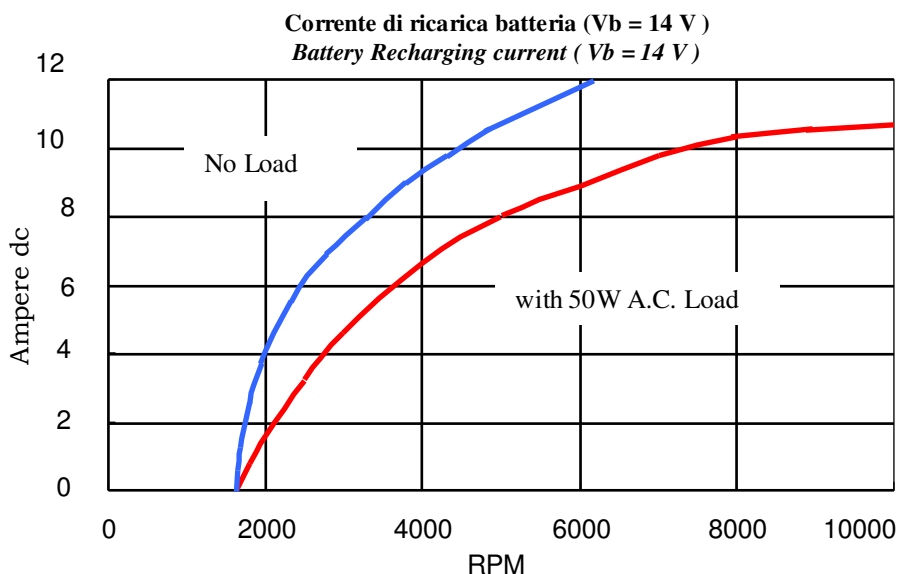


Volano a magneti permanenti : 12 poli con diametro esterno 103 mm
Pick Up : esterno
Regolazione : mista c.a.-cc
Lampeggiatore integrato : opzionale
Potenza : 150W
Rotazione Massima : 12000 rpm
Momento di Inerzia (PD²) : 11 (44) Kg.cm²

Flywheel Magneto : 12 poles, external diameter 103 mm
Pick Up : external
Regulator for A.C. - D.C. applications
Blinker feature : optional
Power output : 150W
Max working speed : 12000 rpm
Moment of Inertia (PD²) : 11 (44) Kg.cm²

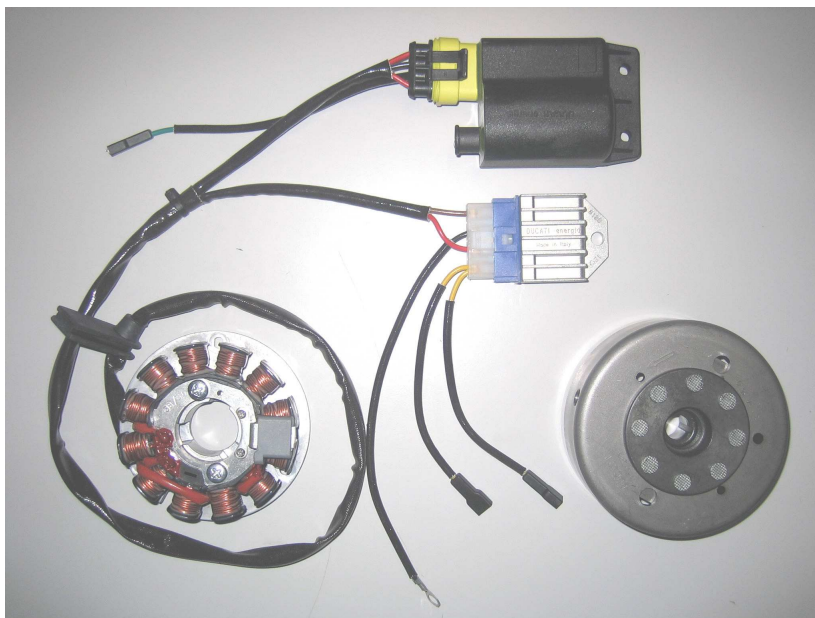
Applicazioni: ricarica batteria per scooter 2 tempi ad iniezione

Applications: battery recharging for 2 strokes scooters with injection supply



IMPIANTO 12 POLI A PICK UP INTERNO CA

12 POLES INTERNAL TRIGGER SYSTEM "AC"

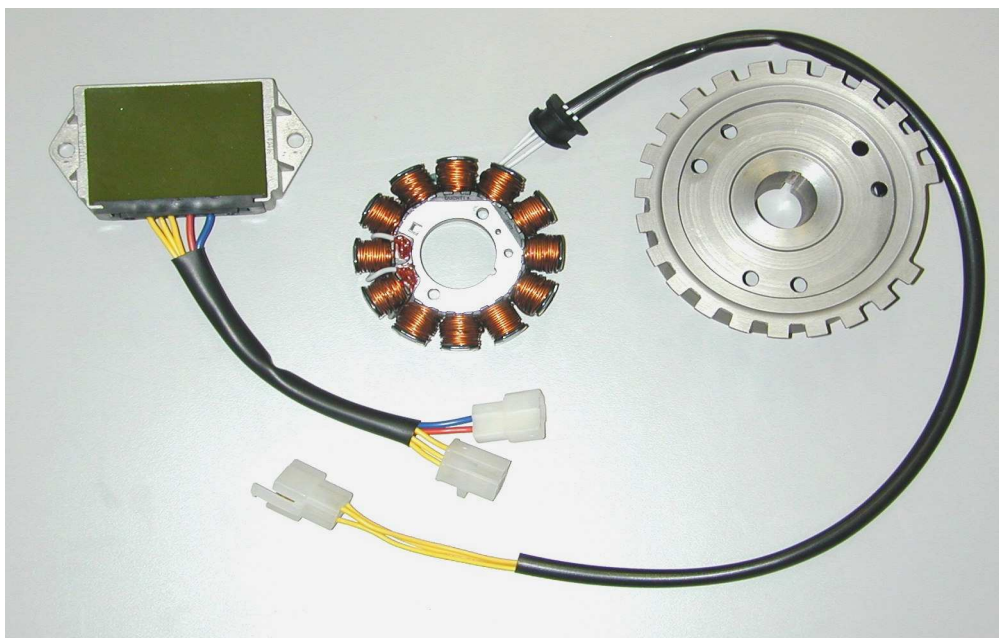


Diametro esterno rotore: 104 mm.
Diametro statore: 84 mm
Momento di inerzia = 48 kg cm²
Regolatore : MINI ca
Applicazioni: motore 50cc senza batteria

Rotor external diameter: 104 mm
Stator external diameter: 84 mm
Moment of inertia: 48 kg.cm²
Regulator: mini CA
Applications: 50cc engine with no battery

rpm	Carico lampade (lamp load) 56W V_{CA}(V)
1000	9.9
1500	13.5
2000	13.5
3000	13.5
4000	13.5
6000	13.5
8000	13.6
12000	13.6

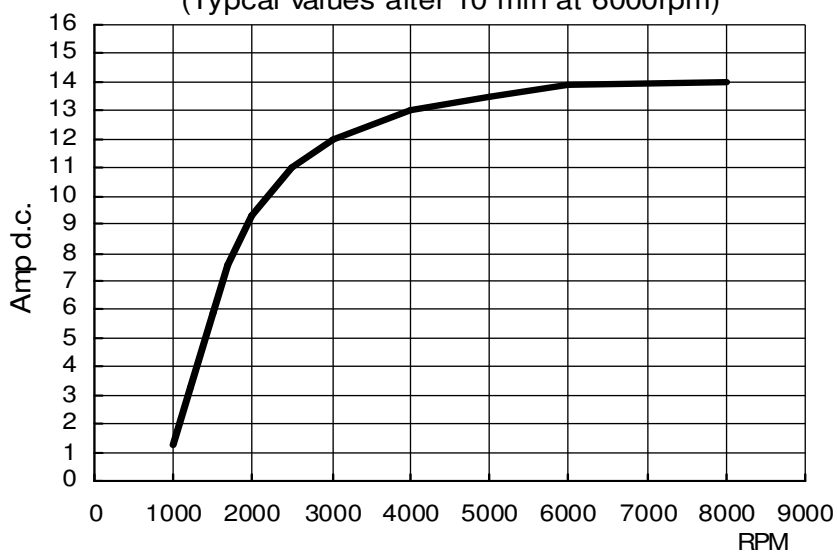
GENERATORE TRIFASE PER APPLICAZIONI ENDURO 3 PHASE GENERATOR FOR ENDURO APPLICATION



Generatore trifase	: 12 poli	3 Phase generator:	12 poles
Diametro esterno mm encoder)	: 104mm (120	External Diameter :	104(120 mm encoder)
Rotazione Massima	: 12000 rpm	Max working speed:	12000 rpm
Potenza:	: 200 W	Power output :	200 W
Momento di Inerzia (PD²)	: 27 Kg.cm²	Moment of Inertia (PD²) :	27 Kg.cm²

BATTERY RECHARGE CURRENT

Battery voltage const = 13.5V
(Typical values after 10 min at 6000rpm)



VOLANOTRIFASE IN TERRE RARE 18 POLI Ø108 mm

18 POLE THREE PHASE RARE EARTH FLYWHEEL MAGNETO Ø108 mm



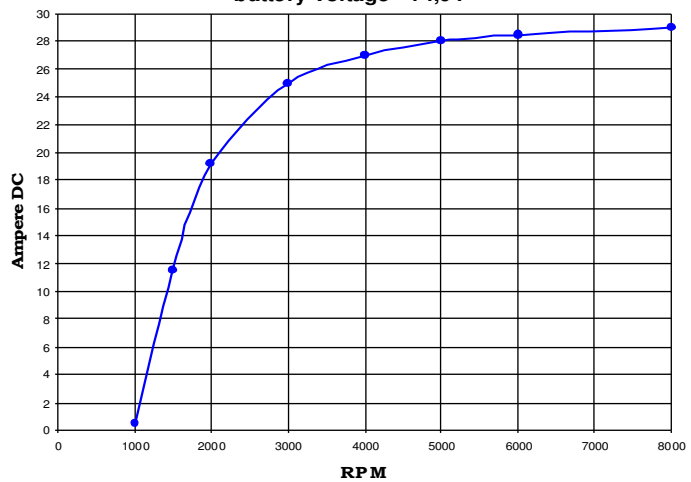
Diametro esterno rotore: 108 mm.
Diametro statore: 96 mm
Diametro centraggio statore: 37 mm
Potenza: 400W a 12 V
Rotazione massima: 15000 rpm
Momento di inerzia = 16.5 kg cm²
Regolatore: Shunt
Applicazioni: ricarica batteria per applicazione motori iniezione (E.F.I.)

Rotor external diameter: 108 mm
Stator external diameter: 96 mm
Centering stator diameter: 37 mm
Power output: 400W at 12 V
Max working speed: 15000 rpm
Moment of inertia: 16.5 kg.cm²
Regulator: Shunt
Applications: battery recharging for engines with electronic fuel injection

Curve di ricarica batteria
 tensione di batteria costante 14,0V
 Battery recharging curve
 Battery voltage = 14,0V

r.p.m.	400W stator A_{dc}
1000	0,5
1500	11,5
2000	19,2
3000	25
4000	27
5000	28
6000	28,5
8000	29

**Battery recharging curve
battery voltage= 14,0V**



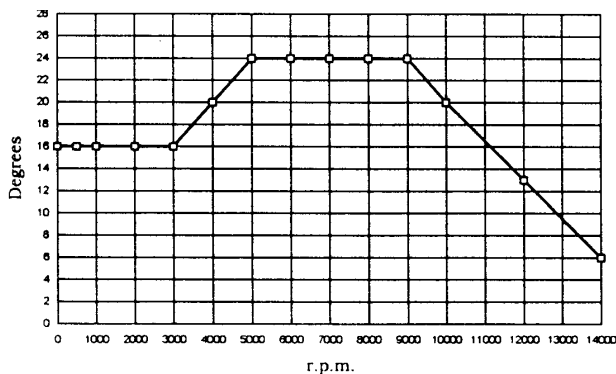
**IMPIANTO DI ACCENSIONE ELETTRONICA A MICROPROCESSORE
FLYWHEEL MAGNETO WITH MICROPROCESSOR CONTROLLED IGNITION
SYSTEM**



- | | |
|---|---|
| 1) Volano a megnete | : 12 poli con diametro esterno 118mm |
| 2) Pick-up | : esterno |
| 3) Accensione elettronica | : capacitiva |
| 4) Regolatore in corrente continua | |
| - anticipo a μ p programmato su richiesta | |
| - alta tensione | : 30 KV costanti da 300÷10000 rpm |
| - potenza con $V_n = 12V$ | : 130W a 2000 giri/1' e 220W a 8000 giri/1' |
| - rotazione massima | : 13000 giri/1' |
| - momento d'inerzia (PD ²) | : 100 Kg cm ² (25 Kg cm ²) |

Applicazione per motori monocilindrici e bicilindrici con o senza avviamento elettrico

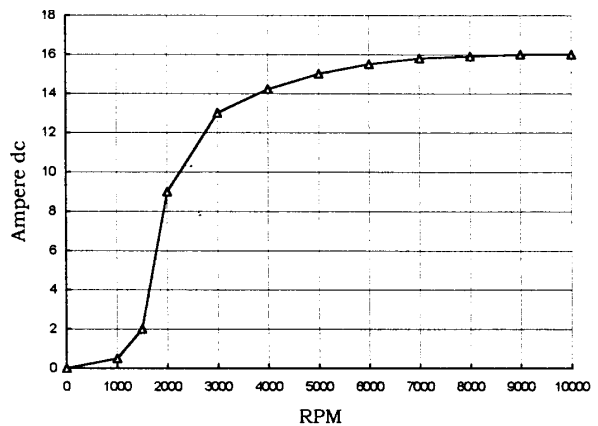
Curva dell'anticipo
Advance curve



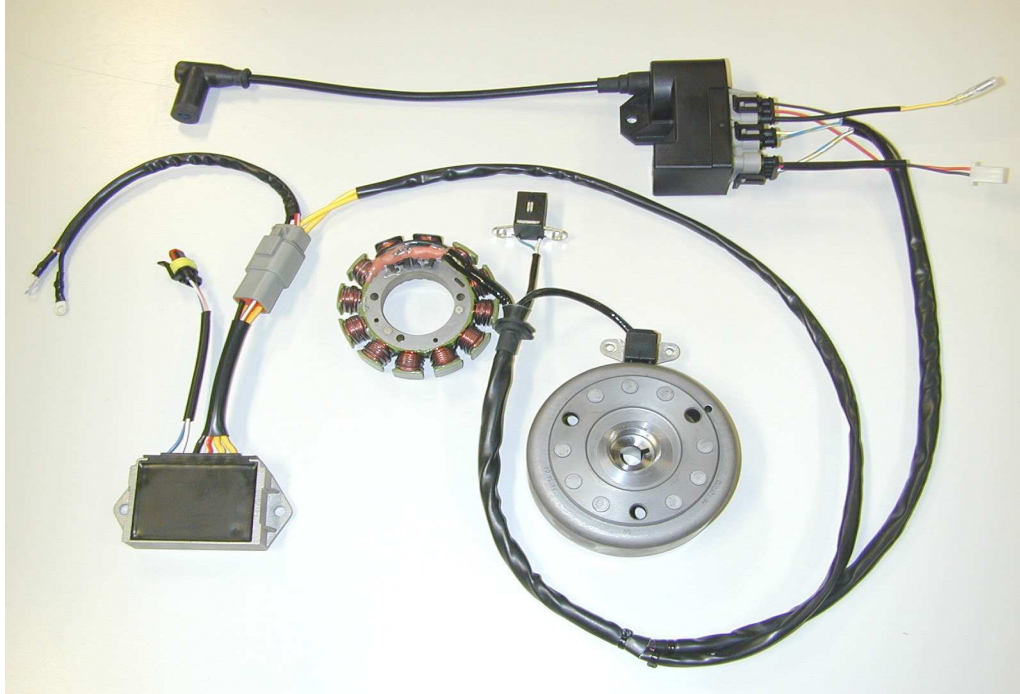
- | | |
|--|---|
| 1) Flywheel magneto | : 12 poles external diameter 118 mm |
| 2) Pick-up | : external |
| 3) Electronic ignition | : C.D.I. unit |
| 4) D.C. regolato | |
| - microprocessor controlled timing advance programmed on request | |
| - high voltage | : 30 KV constant from 300 tp 10000 rpm |
| - power output at 12V(V _n) | : 130W at 2000 rpm 220W at 8000 rpm |
| - max working speed | : 13000 rpm |
| - moment of inertia (PD ²) | : 100 Kg cm ² (25 Kg cm ²) |

Application for single or two cylinder engines with or without electric starter

Corrente di ricarica batteria (Batteria 14V)
Battery recharging current (Battery 14V)



IMPIANTO DI ACCENSIONE ELETTRONICA per ATV motori 2T
FLYWHEEL MAGNETO SYSTEM for ATV 2 stroke engines
 (con funzione e. reverse/ *electronic reverse feature*)



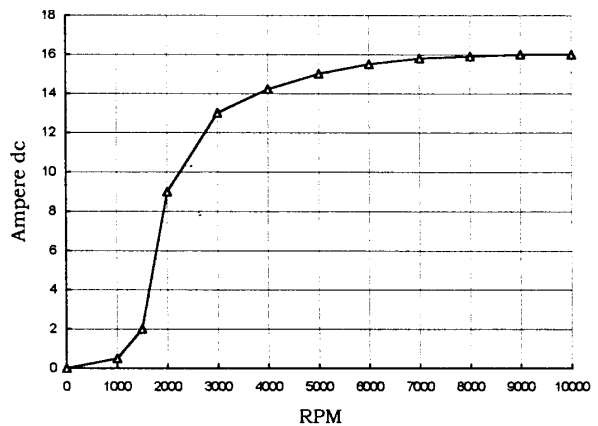
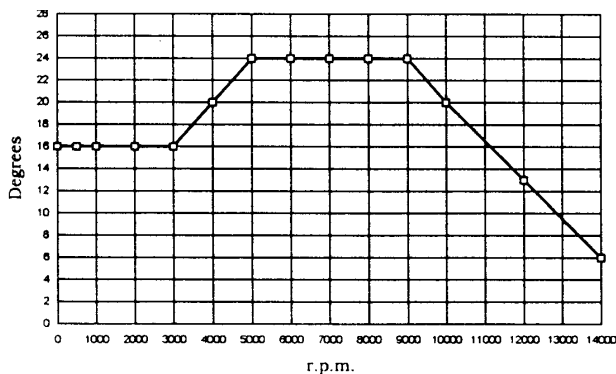
- 1) Volano a magneti perm. : 12 poli con diametro esterno 118mm
- 2) Pick-up : esterno
- 3) Accensione elettronica : capacitiva (electronic reverse=optional)
- 4) Regolatore in corrente continua con lampeggiatore
 - anticipo a μP programmato su richiesta
 - alta tensione : 30 KV costanti da 300÷10000 rpm
 - potenza con $V_n = 12V$: 130W a 2000 giri/1' e 220W a 8000 giri/1'
 - rotazione massima : 13000 giri/1'
 - momento d'inertia (PD²) : 100 Kg cm² (25 Kg cm²)

- 1) Flywheel magneto : 12 poles external diameter 118 mm
- 2) Pick-up : external
- 3) Electronic ignition : C.D.I. unit (with electronic reverse=optional)
- 4) D.C. regulator with integrated flasher
 - microprocessor controlled timing advance programmed on request
 - high voltage : 30 KV constant from 300 tp 10000 rpm
 - power output at 12V(V_n) : 130W at 2000 rpm 220W at 8000 rpm
 - max working speed : 13000 rpm
 - moment of inertia (PD²) : 100 Kg cm² (25 Kg cm²)

Applicazione per motori monocilindrici e bicilindrici con o senza avviamento elettrico

Application for single or two cylinder engines with or without electric starter

Curva dell'anticipo
Advance curve



IMPIANTO DI RICARICA TRIFASE THREEPHASE RECHARGING SYSTEM

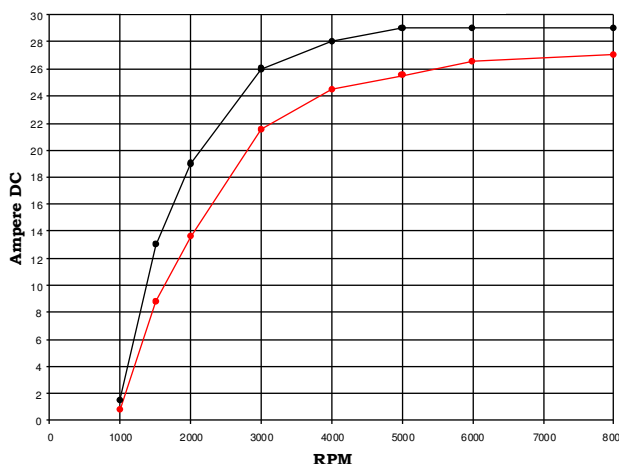


Volano a magneti permanenti :rotore Ø esterno 118 mm, statore 18 poli trifase
 potenza : 370W
 Rotazione massima : 12500 rpm
 Momento di inerzia = 45 kg cm²
 Regolatore : Shunt
 Applicazioni : ricarica batteria per scooter 4 tempi iniezione

*Flywheel magneto : rotor diameter 118 mm, 18 pole three phases stator
 power output : 370W
 Max working speed : 12500 rpm
 Moment of inertia : 45 kg.cm²
 Regulator : Shunt
 Applications : battery recharging for 4 stroke scooters with injection supply*

Curve di ricarica batteria
 tensione di batteria costante 14V
 Battery recharging diagram
 Battery voltage = 14V

r.p.m.	Ampere dc At 20°C	A dc after 10min at 8000 rpm
1000	1,5	0,8
1500	13	8,8
2000	19	13,6
3000	26	21,5
4000	28	24,5
5000	29	25,5
6000	29	26,5
8000	29	27



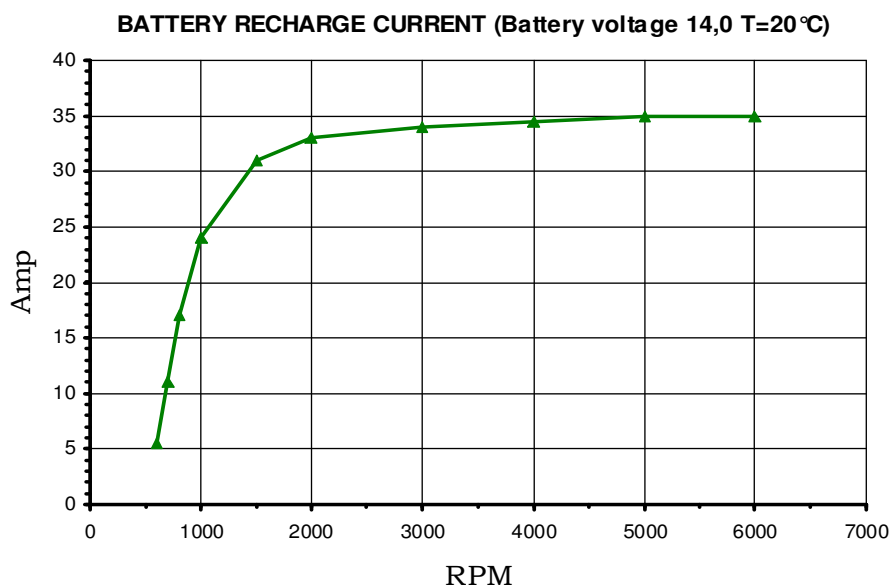
ALTERNATORE TRIFASE A MAGNETI PERMANENTI 3 PHASES ALTERNATOR WITH PERMANENT MAGNETS



Alternatore trifase : 18 poli
Diametro esterno : 128 mm
Rotazione Massima : 12000 rpm
Potenza: : 460 W
Momento di Inerzia (PD²) : 30 Kg.cm²
Peso : 2.2Kg

3 Phases Alternator : 18 poles
External Diameter : 128 mm
Max working speed : 12000 rpm
Power output : 460 W
Moment of Inertia : 30 Kg.cm²
Weight : 2.2 Kg.

r.p.m	A
600	5,5
700	11
800	17
1000	24
1500	31
2000	33
3000	34
4000	34,5
5000	35
6000	35



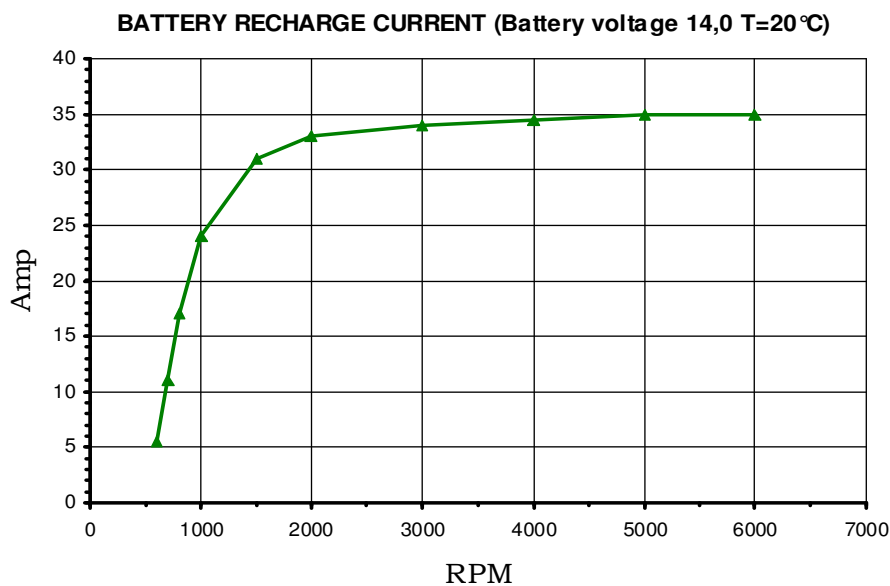
ALTERNATORE TRIFASE A MAGNETI PERMANENTI 3 PHASES ALTERNATOR WITH PERMANENT MAGNETS



Alternatore trifase : 18 poli
Diametro esterno : 128 mm
Rotazione Massima : 12000 rpm
Potenza: : 460 W
Momento di Inerzia (PD²) : 49 Kg.cm²
Peso: : 3 Kg

3 Phases Alternator : 18 poles
External Diameter : 128 mm
Max working speed : 12000 rpm
Power output : 460 W
Moment of Inertia : 49 Kg.cm²
Weight: : 3 Kg

r.p.m	A
600	5,5
700	11
800	17
1000	24
1500	31
2000	33
3000	34
4000	34,5
5000	35
6000	35

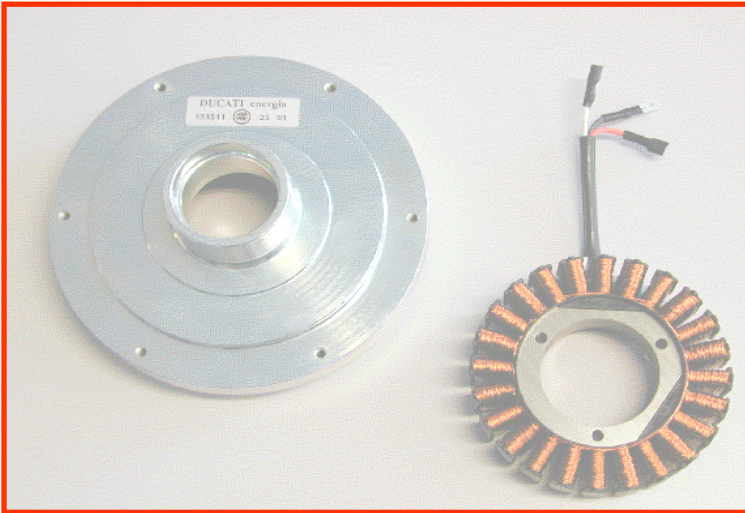


—▲— Dispers. (XY) 1



DUCATI energia s.p.a.

LOW ABSORPTION 6-PHASES SYSTEM FOR FITNESS



Rotor outside diameter:

183 mm

Output power:

450W @ 100 rpm (on pedal)

Ratio (pedal/flywheel) =7,3

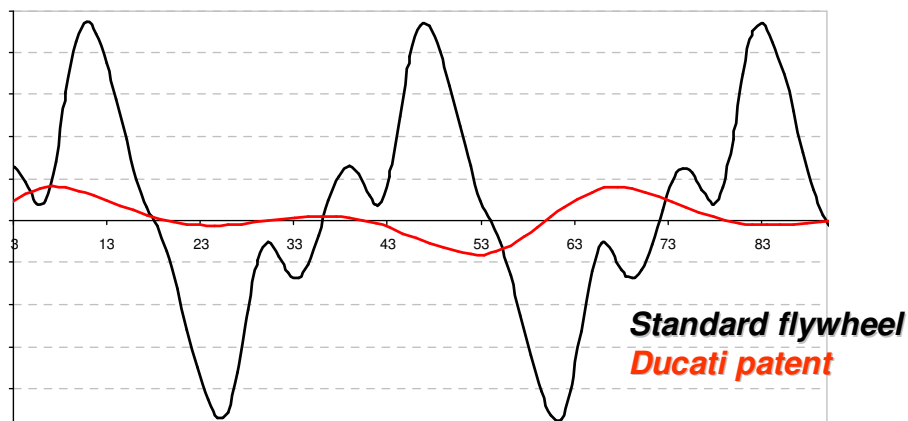
Electric insulation:

UL@200 °C class N

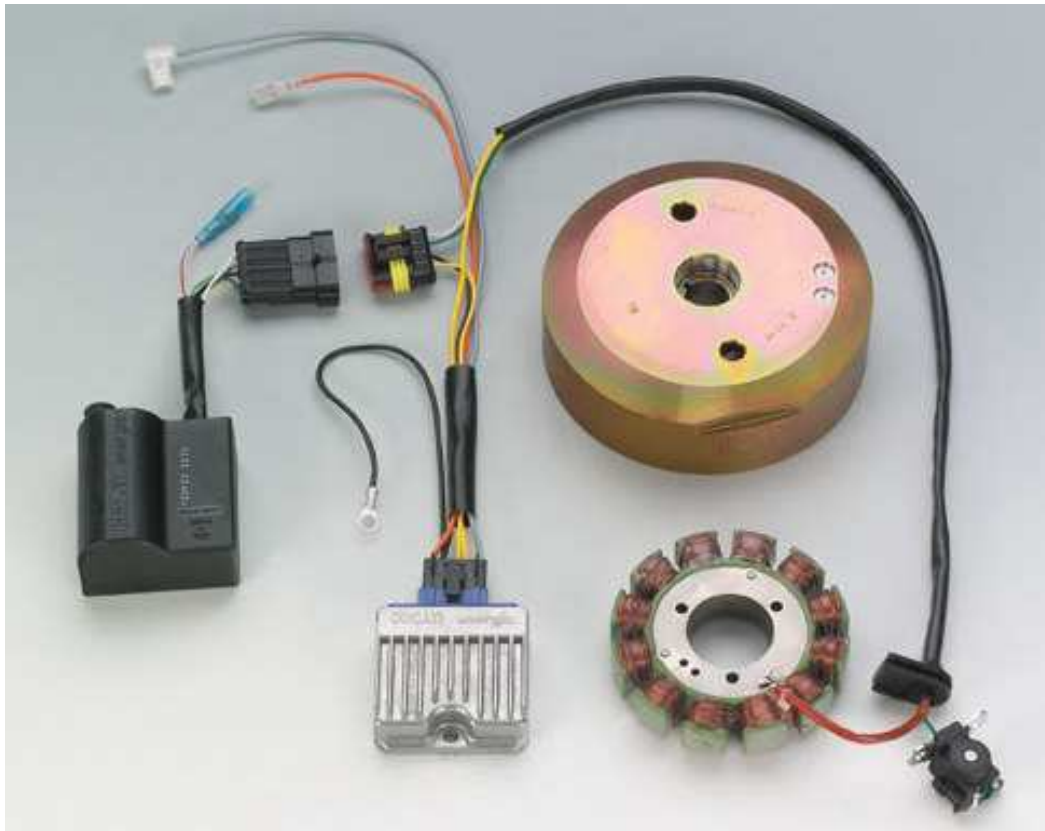
PATENTED SYSTEM FOR FITNESS APPLICATION

The patented system uses an electronic device integrated in the stator that reduces power absorption and vibrations, granting to perform a regular effort and reducing the torque ripple effect.

Absorbed Torque



**IMPIANTO DI ACCENSIONE DIGITALE PER APPLICAZIONI MOTO TRIAL
DIGITAL IGNITION SYSTEM FOR TRIAL MOTORCYCLES**



Volano a magneti permanenti :12 polia PU esterno
Accensione elettronica :CDI con selezione di 6 mappe
Regolazione : C.A/C.C.
Una sola scintilla per giro
Alta tensione su carico di 50 pF: 27 kV
Protetto alla rotazione inversa
Potenza :140W 12V
Rotazione Massima :12000 rpm
Momento di Inerzia (PD²) :21,60(86,50) kgcm²

Flywheel Magneto :12 poles external PU
Electronic Ignition : digital C.D.I. with 6 different maps
Regulator : A.C/D.C.
One spark per engine turn
High Voltage on 50 pF load : 27 kV
No spark in reverse rotation
Power output : 140W 12V
Max working speed :12000 rpm
Moment of Inertia (PD²) : 21,60(86,50) kgcm²

DC OUTPUT PERFORMANCE

Typical values - Battery voltage = 13.5Vdc

DUCATI energia

VOLANO ALTERNATORE TRIFASE 24 POLI Ø 144 mm

24 POLES THREE-PHASE FLYWHEEL MAGNETO Ø 144 mm



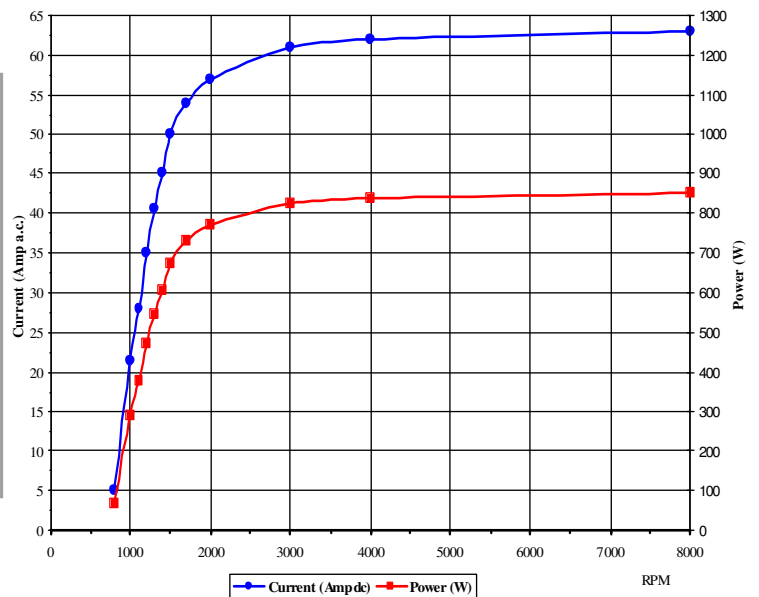
Diametro esterno rotore: 144 mm.
Diametro statore: 133 mm
Diametro centraggio statore: 54 mm
Rotazione massima: 10000 r.p.m.
Momento di inerzia: 59 kg cm²

Rotor external diameter: 144 mm
Stator external diameter: 133 mm
Centering stator diameter: 54 mm
Max. working speed: 10000 r.p.m.
Moment of inertia: 59 kg.cm²

DC OUTPUT DIAGRAM

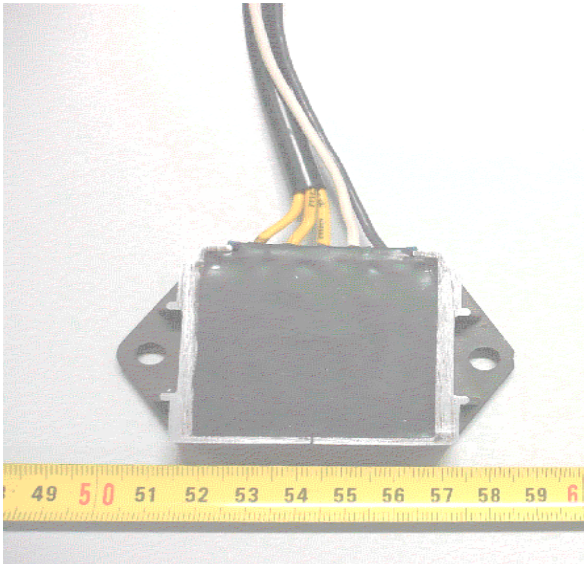
Typical values - Battery voltage = 12

r.p.m	Ampere d.c.	Power (W)
.		68
800	5,0	290
1000	21,5	675
1500	50,0	770
2000	57,0	824
3000	61,0	837
4000	62,0	851
8000	63,0	



REGOLATORE TRIFASE CA 15A 12V

DC REGULATOR 3-PHASES 15A -12V



CARATTERISTICHE (FEATURES):

- DIMENSIONI RIDOTTE (REDUCED DIMENSION) 82x55x15mm
- PESO RIDOTTO (REDUCED WEIGHT) 140gr
- DISSIPAZIONE PER CONTATTO (CONTACT DISSIPATION)

MAIN CHARACTERISTICS

Storage Temperature	-30° +80°C
Operating temperature	-30° +60°C
Regulated Voltage	14.5 ± 0.5V (between regulator terminals)

ALTERNATORE MONO-TRIFASE PER MOTORI MARINI
SINGLE/THREE PHASES ALTERNATOR FOR OUTBOARD ENGINES



Alternatore trifase : 12 poli
Diametro esterno : 250-280 mm
Diametro statore : 125 mm
Rotazione Massima : 6000 rpm
Potenza: : up to 1,5KW
Peso : 10 Kg Approx

3 Phases Alternator : 12 poles
External Diameter : 250-280 mm
Stator diameter : 125 mm
Max working speed : 6000 rpm
Power output : up to 1,5KW
Weight : 10 Kg.

(rpm)	P(W)
500	
600	
1000	869
1500	1468,5
2000	1606
2500	1655,5
3000	1710,5
3500	1727
4000	1738
4500	1738
5000	1732,5
5500	1727
6000	1727

