



im
po
BEGGIO EM

Spraying Units
D.C. 12V



Nozioni tecniche di base

Se il motore opera ad una temperatura ambientale superiore ai 40°C e/o altitudine sul livello del mare superiore a 1000 m, deve essere considerato un declassamento come da tabella:

Altitudine sul livello del mare (m) Altitude above sea level (m)		Potenze ammissibili / Permissible power P/Pn (%)				
		Temperatura ambiente °C / Environmental temperature °C				
		0-40	45	50	55	60
Fino a / to	1000	100	97	93	88	82
	1500	98	95	91	86	80
	2000	94	91	87	82	77
	2500	91	88	84	80	74
	3000	87	84	81	76	71
	3500	82	79	76	72	67
	4000	77	74	71	67	63

Basic technical concept

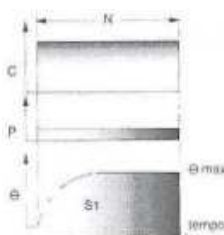
If the motor operates in environmental temperature higher than 40°C, or over 1000 m from sea level, we need to rectify the power of the motor as from following table:

Tipo di servizio

Il valore di potenza riportato sulla targhetta del motore elettrico, si riferisce normalmente ad un impiego continuo e a carico costante (servizio S1). Tutti i tipi di servizi descritti dalle norme IEC 34-1 sono qui di seguito riportati.

S1 – SERVIZIO CONTINUO

Funzionamento a carico costante di durata sufficiente a consentire l'equilibrio termico.



Type of duty

The name-plate normally shows rated power of electric motor, working at continuous steady load (duty type S1).

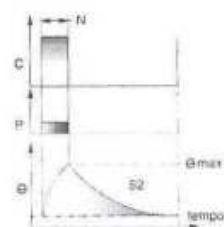
All the types of duty described by standard IEC 34-1 are listed here below.

S1 – CONTINUOUS SERVICE

Steady load operation for an indefinite period, in order to reach a thermal balance.

S2 – SERVIZIO DI DURATA LIMITATA

Servizio a carico costante per un periodo di tempo inferiore a quello richiesto per consentire l'equilibrio termico; Seguito da un tempo di riposo di durata sufficiente per riportare il motore a temperatura ambiente.

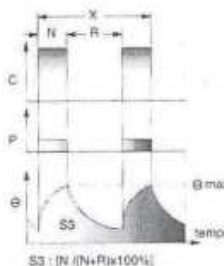


S2 – LIMITED DUTY

Steady load operation for limited time, less than the time necessary to reach a thermal balance followed by a resting period adequate to reach a thermal balance.

S3 – SERVIZIO INTERMITTENTE PERIODICO

Sequenza di cicli di funzionamento identici, ciascuno comprendente un periodo di funzionamento a carico costante ed un periodo di riposo. La corrente di avviamento non influisce sulla temperatura. Durante il periodo di carico non si raggiunge l'equilibrio termico.



S3 – INTERMITTENT PERIODIC DUTY

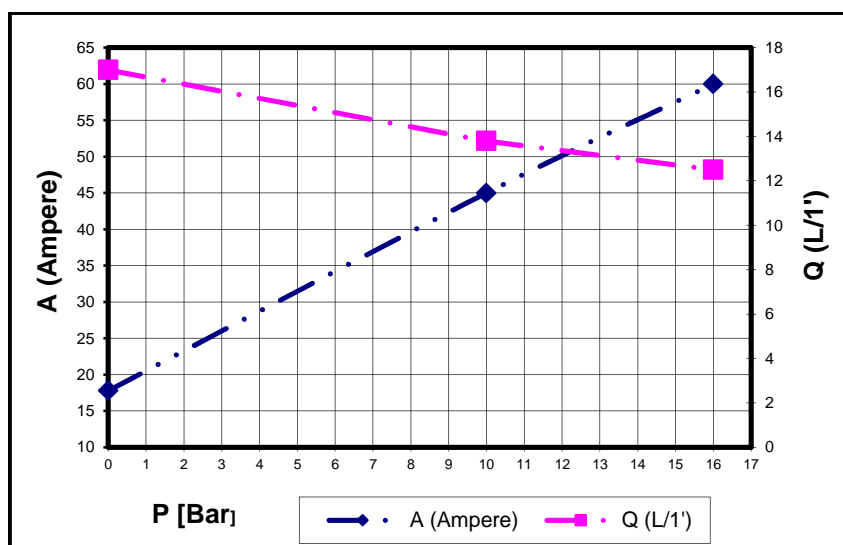
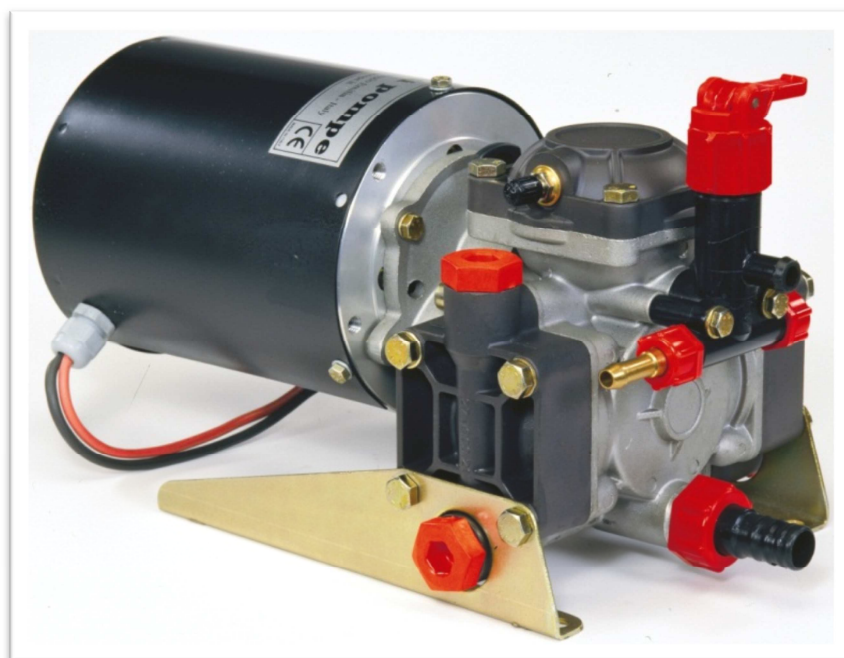
Sequence of identical duty cycles, each including a period of constant load operation and a rest period. The starting current does not effect the temperature rise. Steady load operating time does not allow a thermal balance.



HOBBY DC – 12 V – IP20 – 3000 rpm – R 1:4,55

Elettropompa HOBBY 400W, Rapporto di riduzione 1:4,55, max 0,55 HP.

Spraying Unit HOBBY 400W, reduction ratio 1:4,55, 0.55 max HP.

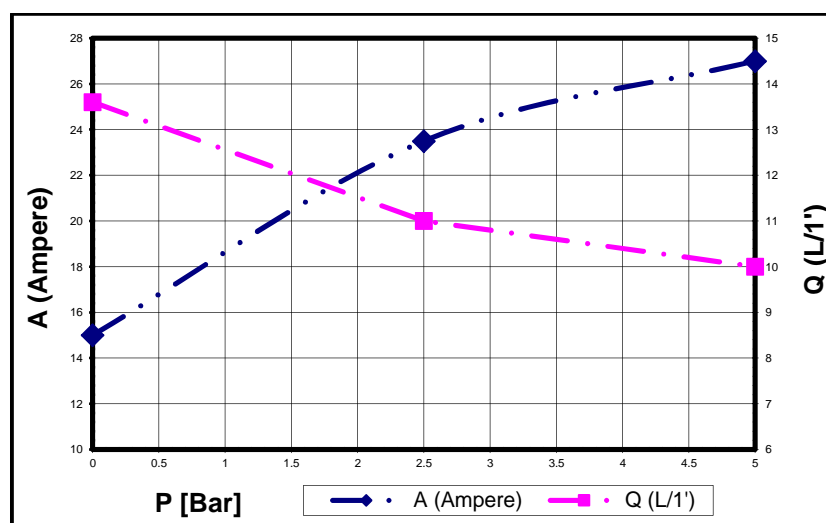
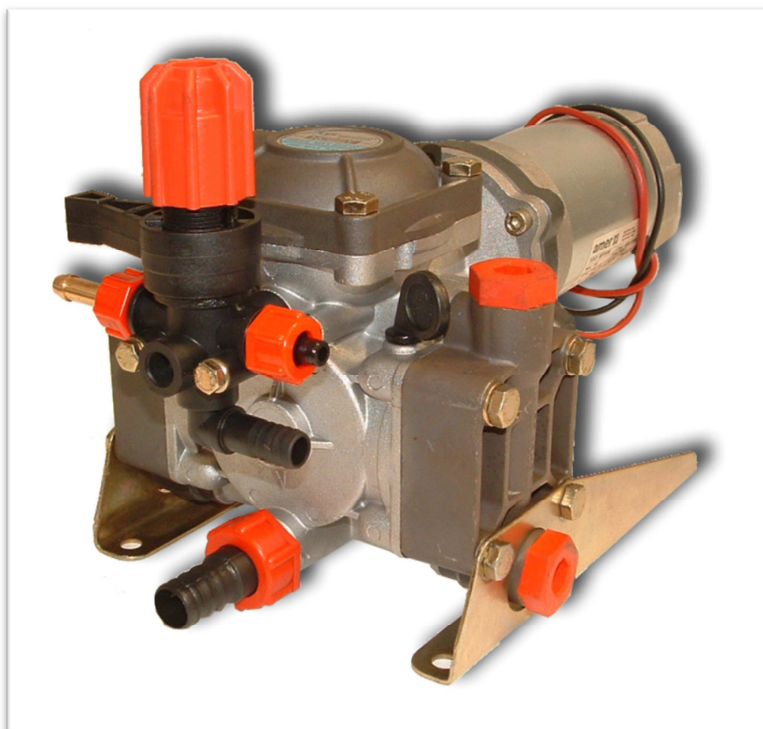




HOBBY DC – 12 V – IP20 – 3000 rpm – R 1:6,5

Elettropompa HOBBY 160W, Rapporto di riduzione 1:6,5 , max 0,22 HP.

Spraying Unit HOBBY 160W, reduction ratio 1:6,5 , 0,22 max HP.

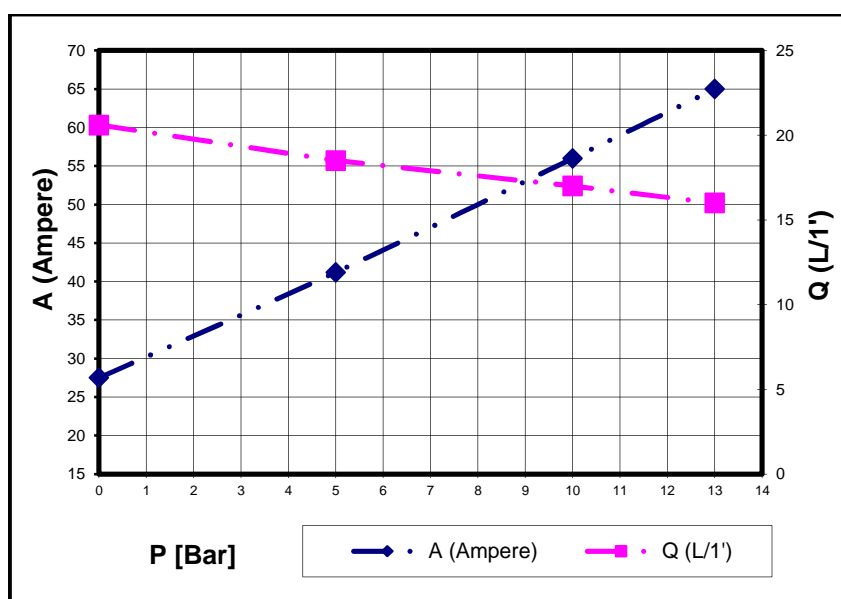




M20 DC – 12 V – IP20 – 3000 rpm – R 1:4,55

Elettropompa M20 400W, Rapporto di riduzione 1:4,55, max 0,55 HP.

Spraying Unit M20 400W, reduction ratio 1:4,55, 0.55 max HP.

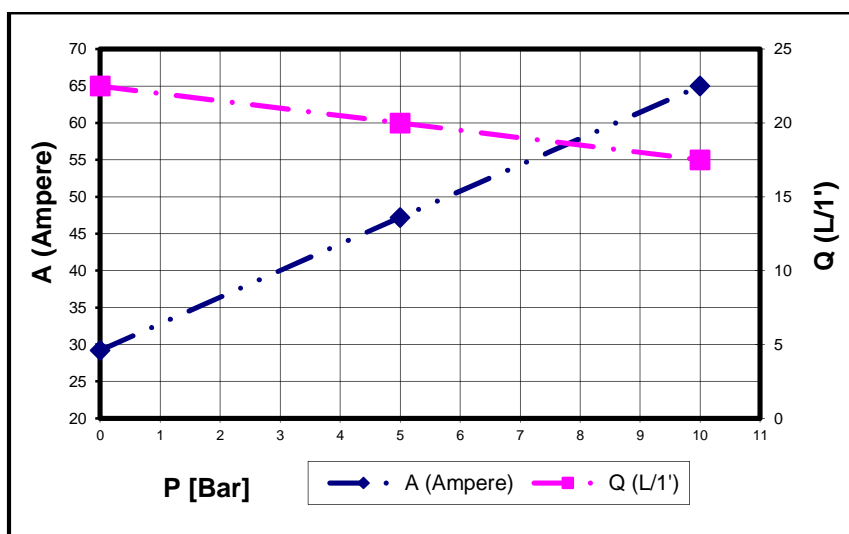
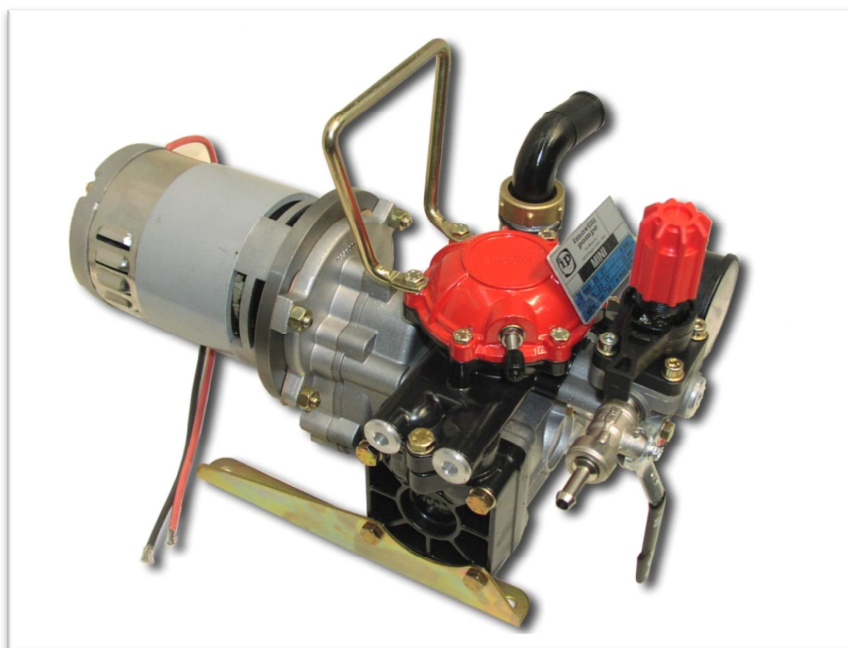




MINI DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa MINI 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit MINI 400W, reduction ratio 1:5, 0.55 max HP.

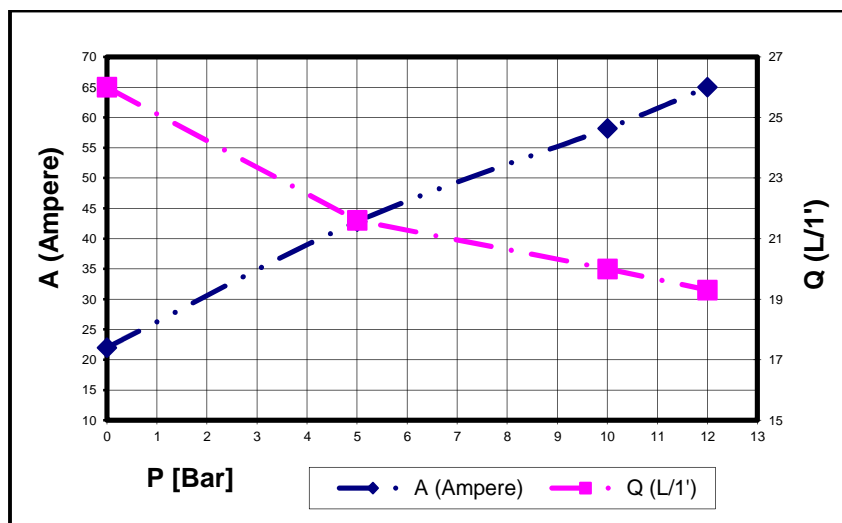




M25 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa M25 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit M25 400W, reduction ratio 1:5, 0.55 max HP.

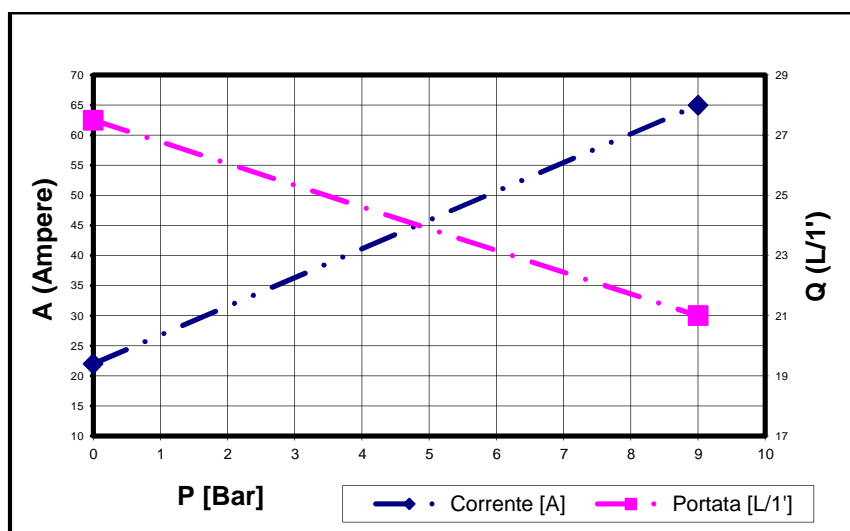
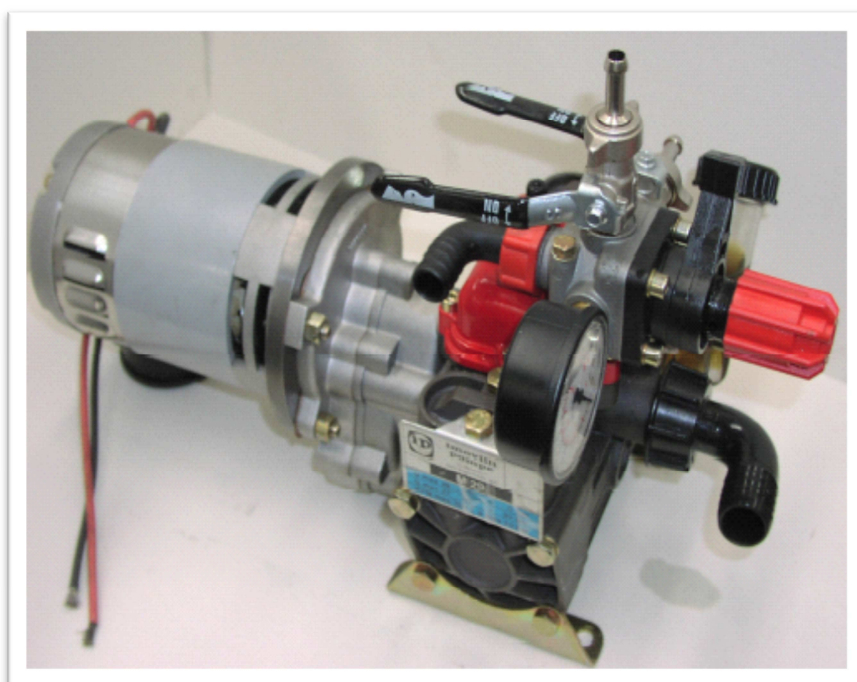




M29 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa M29 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit M29 400W, reduction ratio 1:5, 0.55 max HP.

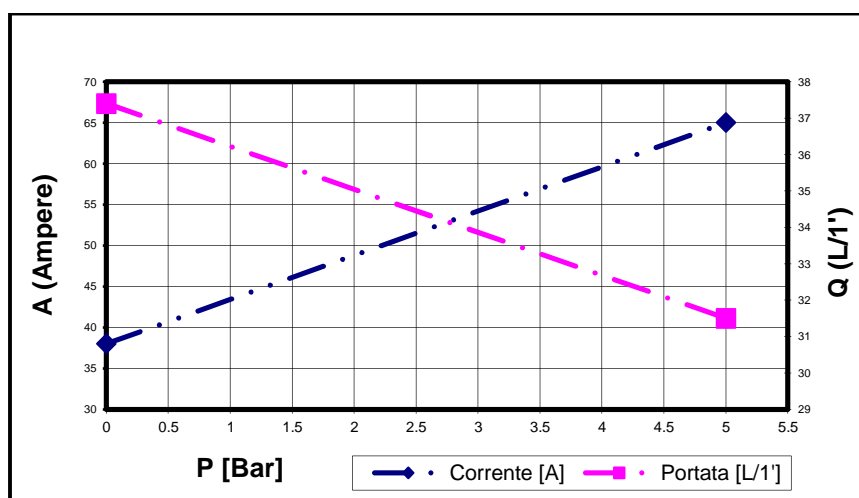




M35 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa M35 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit M35 400W, reduction ratio 1:5, 0.55 max HP.

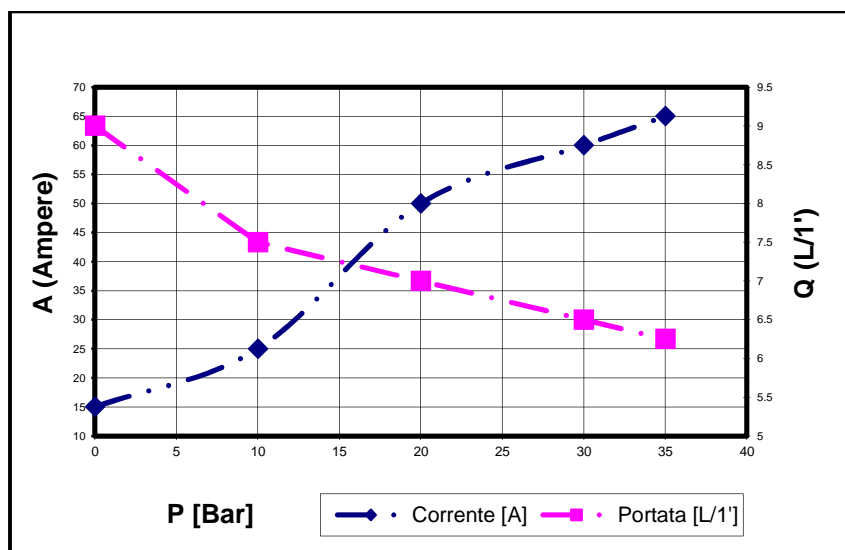




PM12 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa PM12 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit PM12 400W, reduction ratio 1:5, 0.55 max HP.

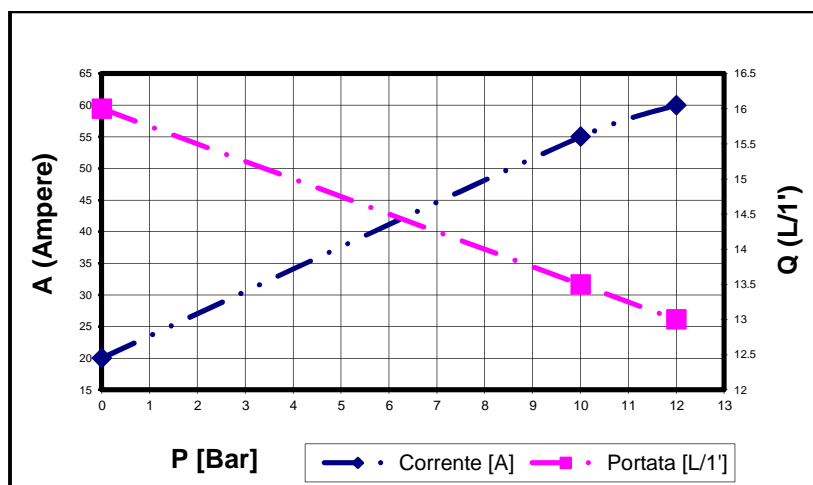




PM22 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa PM22 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit PM22 400W, reduction ratio 1:5, 0.55 max HP.

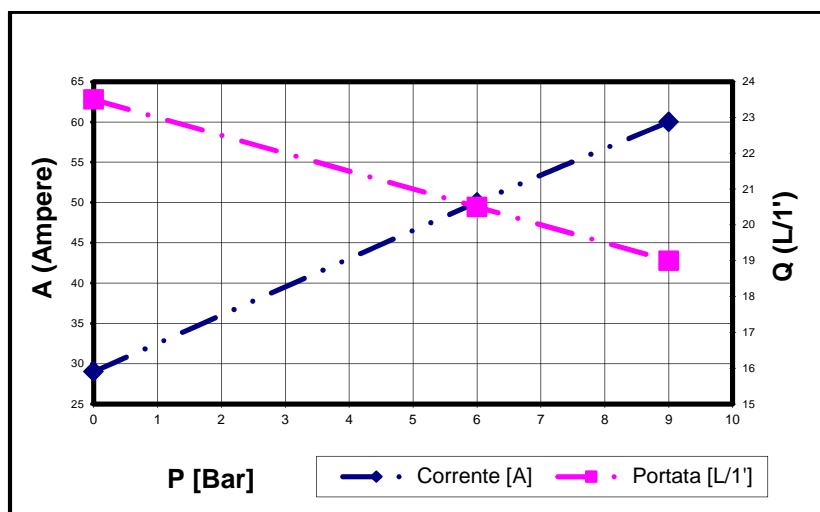




PM33 DC – 12 V – IP20 – 3000 rpm – R 1:5

Elettropompa PM33 400W, Rapporto di riduzione 1:5, max 0,55 HP.

Spraying Unit PM33 400W, reduction ratio 1:5, 0.55 max HP.



Contatta ufficio tecnico.
Contact Technical Department.



TABELLA DATI TECNICI – TECHNICAL DATA

	HOBBY	M 20	MINI	M 25	M 29	M 35	PM 12	PM 22	PM 33
C [mm]	210	220	215	260	290	260	300	300	260
B [mm]*	390	390	435	465	465	483	465	465	483
A [mm]	220	220	195	250	250	230	255	255	250
Peso [Kg]	9.5	9.5	10.9	11.7	11.9	13	12.8	12.8	14.5
Bar MAX	16	13	10	12	9	5	35	12	9
MAX L/1'	12.5	16	17.5	19.3	21	31.5	9	16	24

* Per la lunghezza delle motopompe senza la protezione motore, sottrarre 40 mm.

* For the length of the pumps without motor protection, subtract 40 mm.

