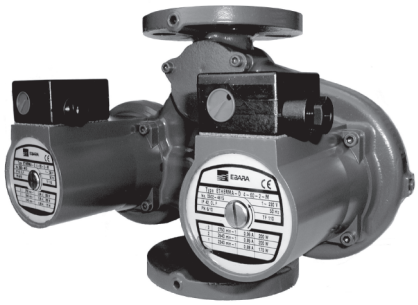
ETHERMA

CIRCOLATORI A 4 VELOCITÀ







Circolatori a 4 velocità con motore montato direttamente nel corpo pompa. Il commutatore permette di ottenere diverse curve di prestazione garantendo maggiore flessibilità e soddisfando in modo armonico i requisiti idraulici del sistema.

APPLICAZIONI

- Circolazione di acqua calda e fredda in genere
- Impianti di condizionamento
- Impianti di riscaldamento centralizzati
- Impianti di riscaldamento domestici/industriali
- Impianti industriali in genere

PECULIARITÁ TECNICHE

- Silenziose
- Semplice installazione
- Disponibile in versione singola e gemellare
- Ampia gamma disponibile
- Disponibile con corpo in bronzo (ETHERMA B)

DATI TECNICI

- Portata fino a 120 m^3/h
- Prevalenza fino a 16 m
- Pressione massima di funzionamento: PN 10
- Temperatura del liquido: da -15°C a +120°C
- Massimo contenuto di glicole: 50%
- Per la distribuzione di acqua calda sanitaria o applicazioni simili la temperatura dell'acqua non deve superare i 60°C e la durezza dell'acqua deve essere inferiore a 12 dH
- Motore monofase 230V, 50Hz
  trifase 400V +6% -10%, 50 Hz
- Classe di isolamento F
- Grado di protezione IP 42 (3 velocità), IP 44 (4 velocità)
- Flange:
  - DN 40, 50, 65, PN 6/10 doppio foro (DIN 2533)
  - DN 80, 100, 125, PN 16 (DIN 2533)
- Disponibili con corpo in bronzo (colore giallo)
- Disponibili a 2 e 4 poli

MATERIALI

- Corpo pompa in ghisa o bronzo
- Albero e canotto in acciaio inossidabile
- Girante in ghisa, tecnopolimero o bronzo
- Anelli OR in EPDM

ACCESSORI (su richiesta)

- Kit controflange zincate
- Flangia cieca per ETHERMA D

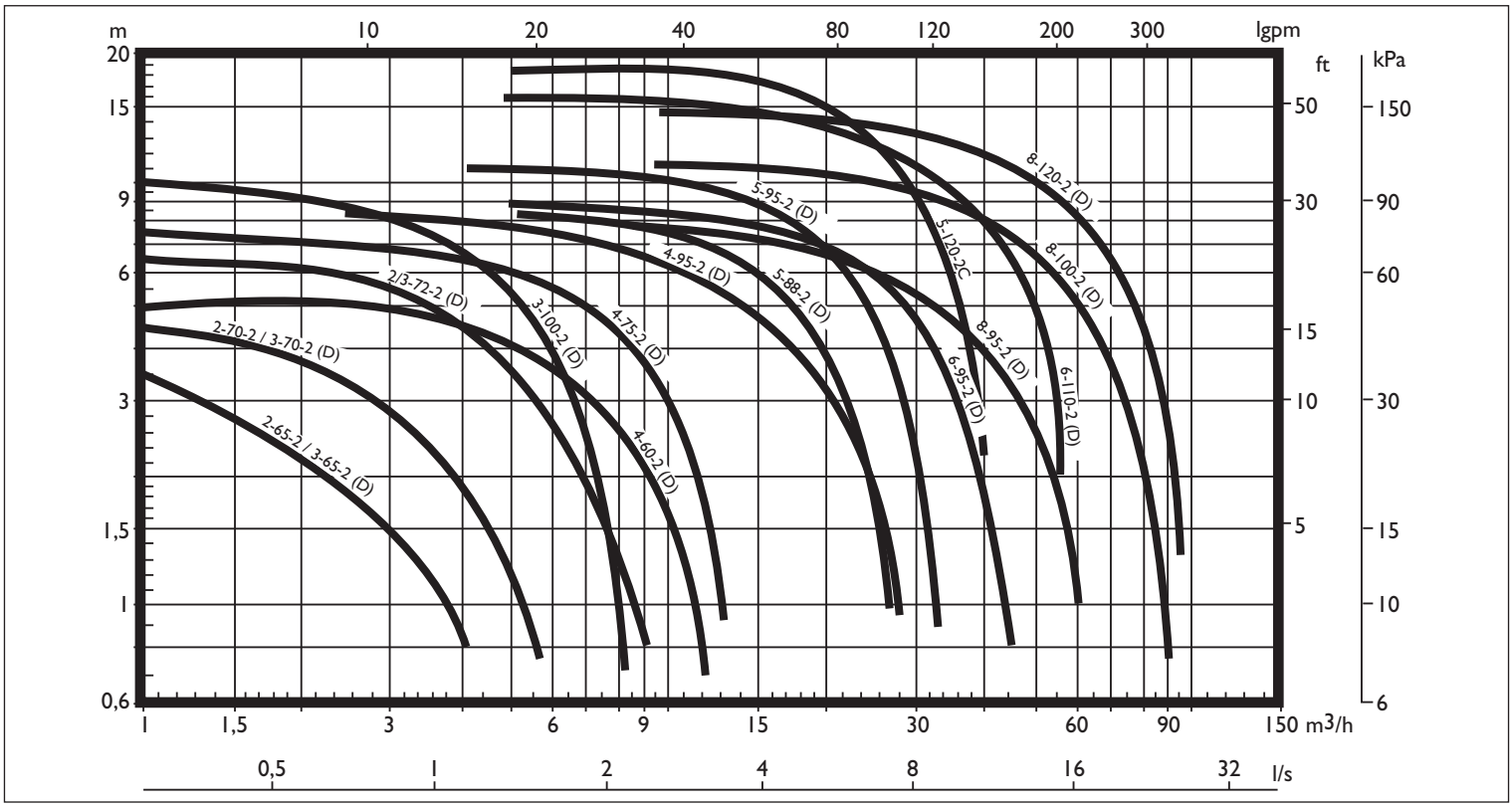
SIGLA IDENTIFICATIVA

ETHERMA (D/B) 4 - 100 - 4

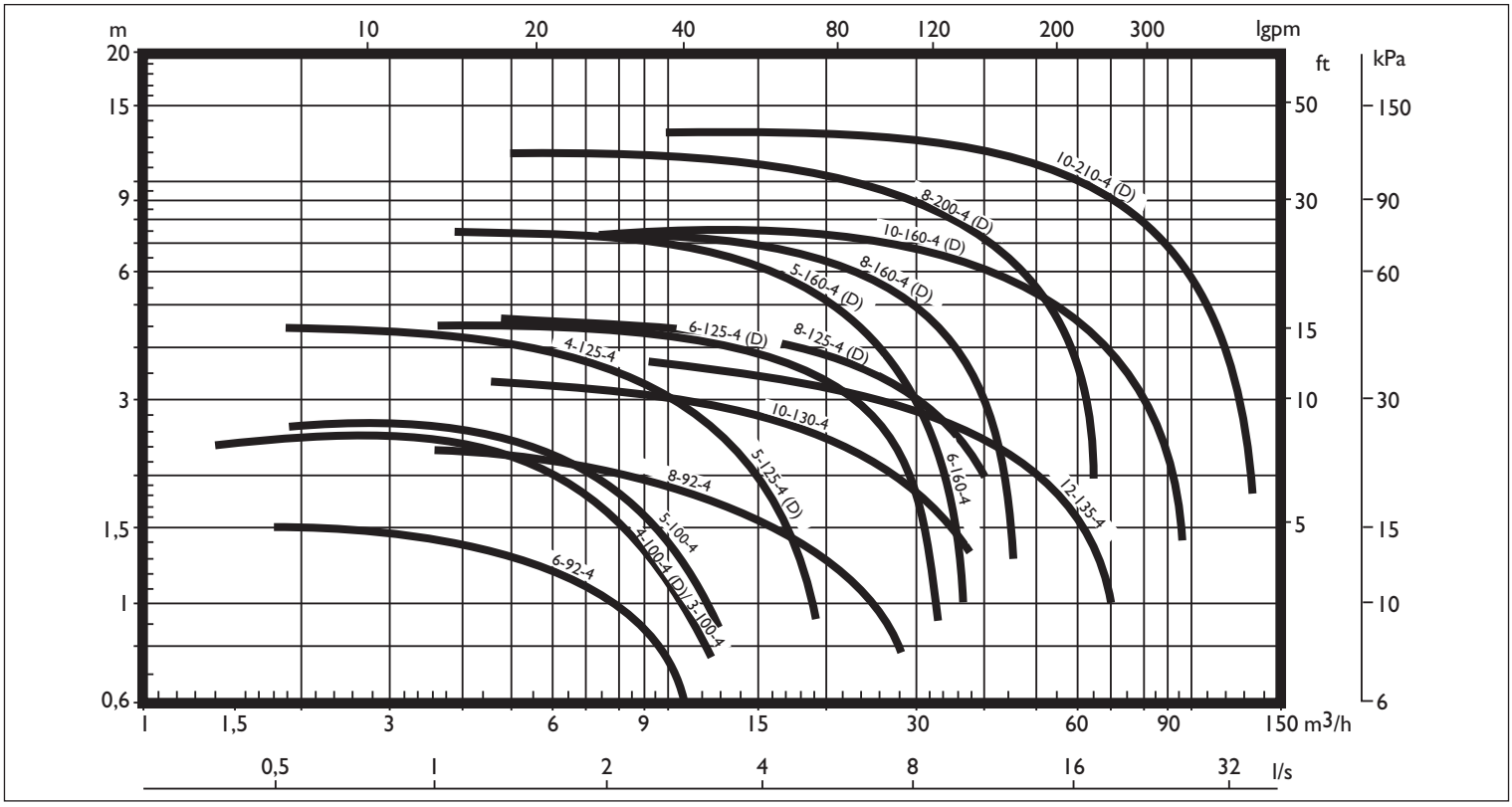
- ETHERMA: Modello
- (D/B): D: gemellare, B: bronzo
- 4: Diametro interno bocca
- 100: Diametro girante nominale
- 4: 4 Poli (1400 n/min)

CIRCOLATORI A 4 VELOCITÀ

GAMMA DELLE PRESTAZIONI a 2900 min⁻¹ (secondo ISO 9906 Allegato A) — 2 Poli



GAMMA DELLE PRESTAZIONI a 1400 min⁻¹ (secondo ISO 9906 Allegato A) — 4 Poli



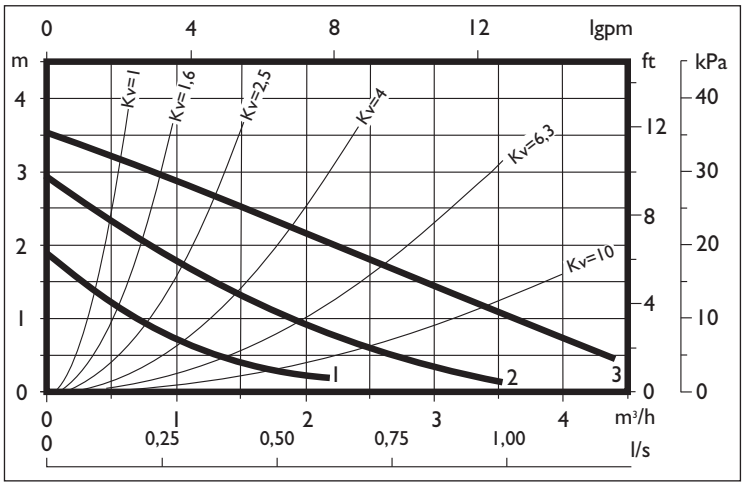
ETHERMA

CIRCOLATORI A 4 VELOCITÀ

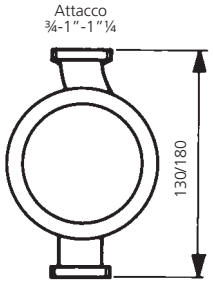
CURVE DI PRESTAZIONE serie ETHERMA 2-65-2 / 3-65-2

2 Poli

(secondo ISO 9906 Allegato A)



ETHERMA	2-65-2 / 3-65-2	Pompa singola
ETHERMA D	3-65-2	Pompa gemellare
ETHERMA B	2-65-2 / 3-65-2	Bronzo

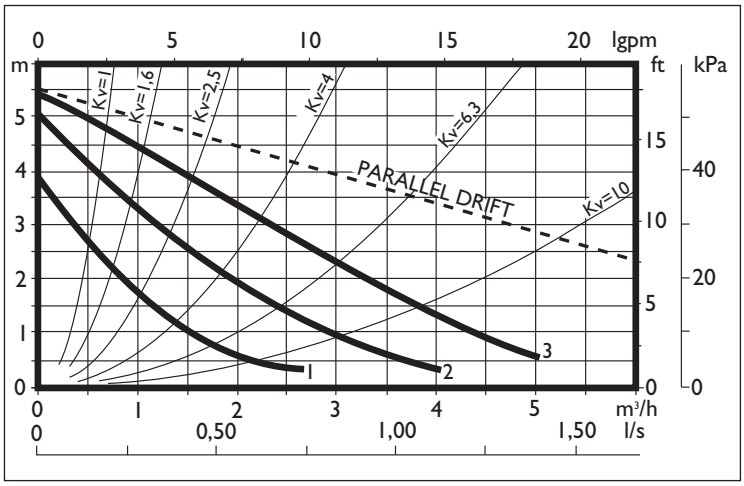


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
3	2350	50-65	0,30	0,20
2	1850	40-50	0,23	-
1	1200	30-35	0,16	-

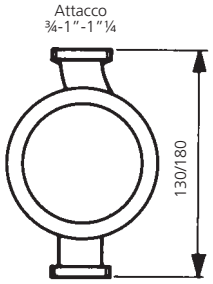
CURVE DI PRESTAZIONE serie ETHERMA 2-70-2 / 3-70-2

2 Poli

(secondo ISO 9906 Allegato A)



ETHERMA	2-70-2 / 3-70-2	Pompa singola
ETHERMA D	3-70-2	Pompa gemellare
ETHERMA B	2-70-2 / 3-70-2	Bronzo

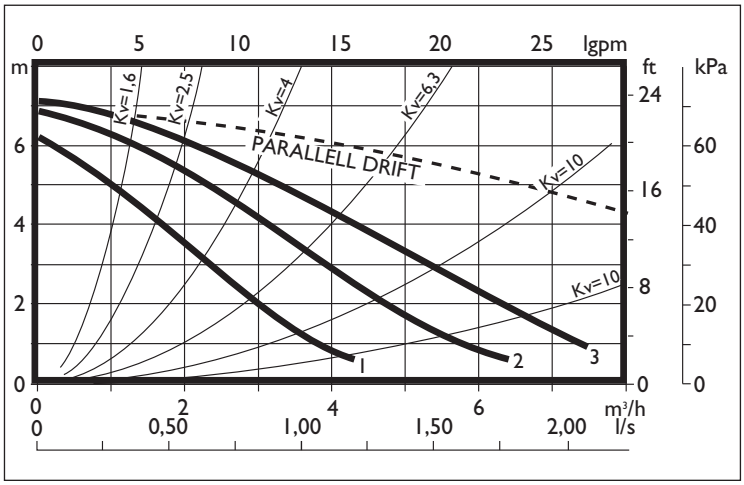


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
3	2350	90-115	0,55	0,25
2	1850	65-85	0,40	-
1	1200	45-55	0,25	-

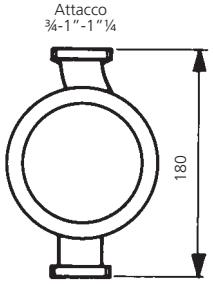
CURVE DI PRESTAZIONE serie ETHERMA 2-72-2 / 3-72-2

2 Poli

(secondo ISO 9906 Allegato A)



ETHERMA	2-72-2 / 3-72-2	Pompa singola
ETHERMA D	2-72-2 / 3-72-2	Pompa gemellare
ETHERMA B	2-72-2 / 3-72-2	Bronzo



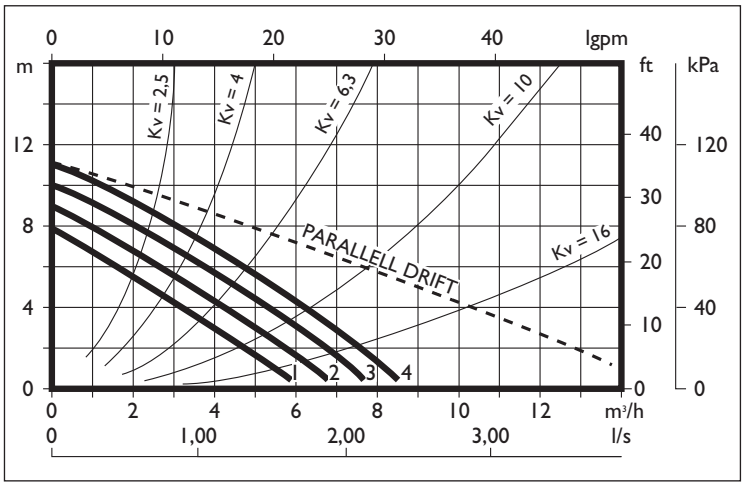
Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2750	130-210	-	0,42
3	2700	130-200	0,95	0,33
2	2640	100-170	0,85	0,25
1	2340	85-115	0,60	0,20

CIRCOLATORI A 4 VELOCITÀ

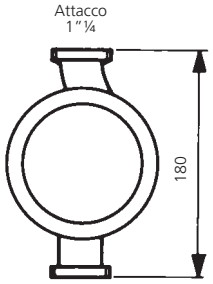
CURVE DI PRESTAZIONE serie ETHERMA 3-100-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	3-100-2	Pompa singola
ETHERMA D	3-100-2	Pompa gemellare
ETHERMA B	3-100-2	Bronzo

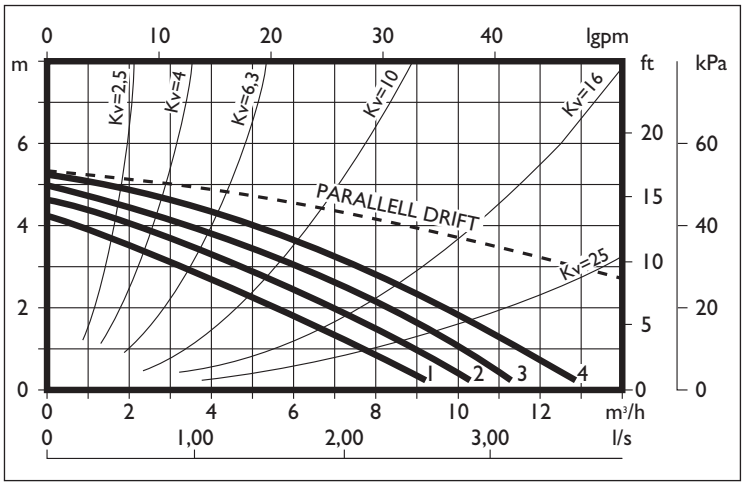


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2750	200-290	1,40	0,55
3	2640	180-250	1,30	0,45
2	2480	150-210	1,20	0,37
1	2340	130-170	1,10	0,28

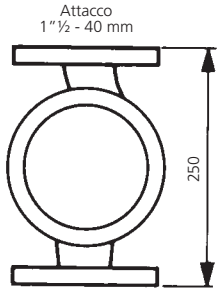
CURVE DI PRESTAZIONE serie ETHERMA 4-60-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	4-60-2	Pompa singola
ETHERMA D	4-60-2	Pompa gemellare
ETHERMA B	4-60-2	Bronzo

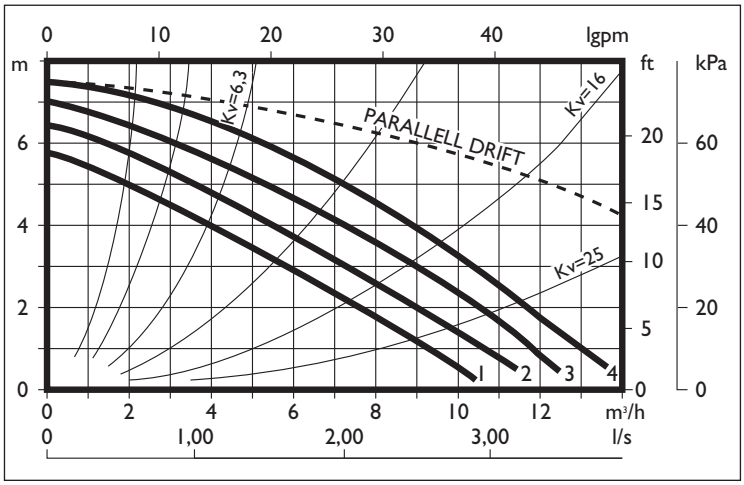


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2750	130-225	-	0,50
3	2640	95-188	1,00	0,36
2	2480	73-156	1,00	0,28
1	2340	64-128	0,88	0,23

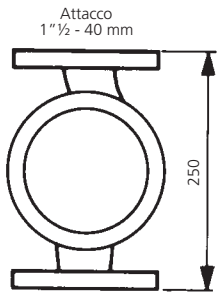
CURVE DI PRESTAZIONE serie ETHERMA 4-75-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	4-75-2	Pompa singola
ETHERMA D	4-75-2	Pompa gemellare
ETHERMA B	4-75-2	Bronzo



Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2750	130-300	1,35	0,55
3	2640	120-260	1,25	0,45
2	2480	100-220	1,15	0,37
1	2340	90-175	1,00	0,30

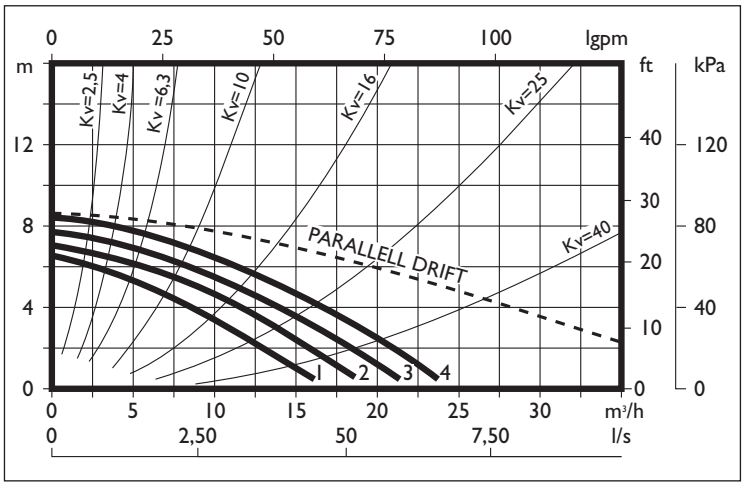
ETHERMA

CIRCOLATORI A 4 VELOCITÀ

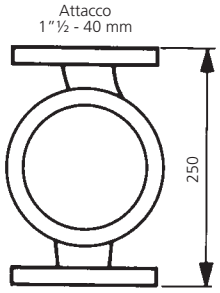
CURVE DI PRESTAZIONE serie ETHERMA 4-95-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	4-95-2	Pompa singola
ETHERMA D	4-95-2	Pompa gemellare
ETHERMA B	4-95-2	Bronzo

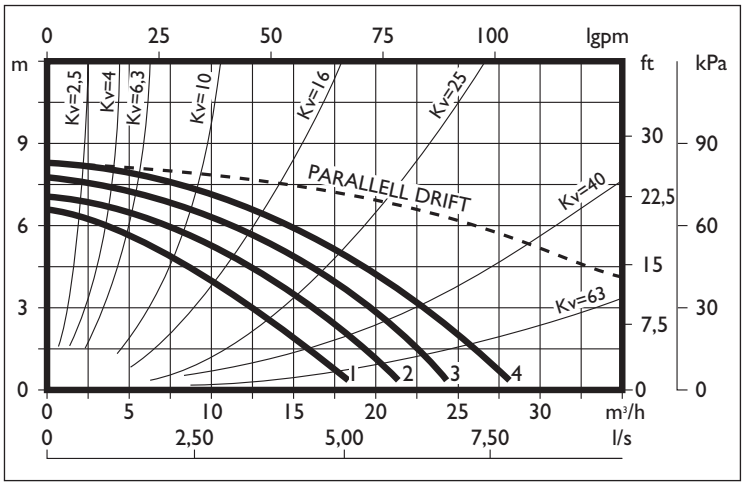


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2650	330-580	2,50	1,10
3	2450	300-550	2,50	0,90
2	2270	280-500	2,40	0,80
1	1930	250-425	2,10	0,70

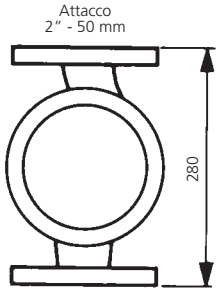
CURVE DI PRESTAZIONE serie ETHERMA 5-88-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	5-88-2	Pompa singola
ETHERMA D	5-88-2	Pompa gemellare
ETHERMA B	5-88-2	Bronzo

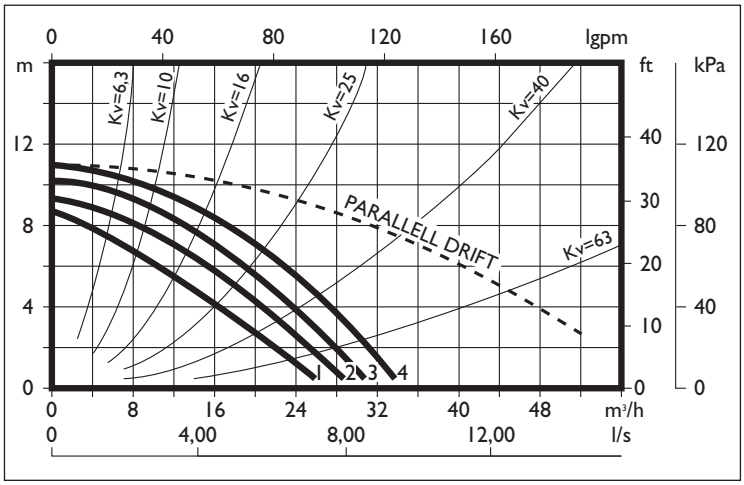


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2650	350-650	2,70	1,20
3	2450	300-600	2,70	1,00
2	2270	280-500	2,50	0,90
1	1930	250-450	2,20	0,75

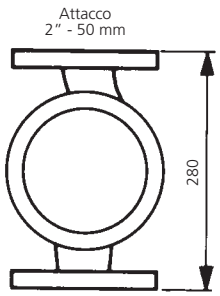
CURVE DI PRESTAZIONE serie ETHERMA 5-95-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA	5-95-2	Pompa singola
ETHERMA D	5-95-2	Pompa gemellare
ETHERMA B	5-95-2	Bronzo



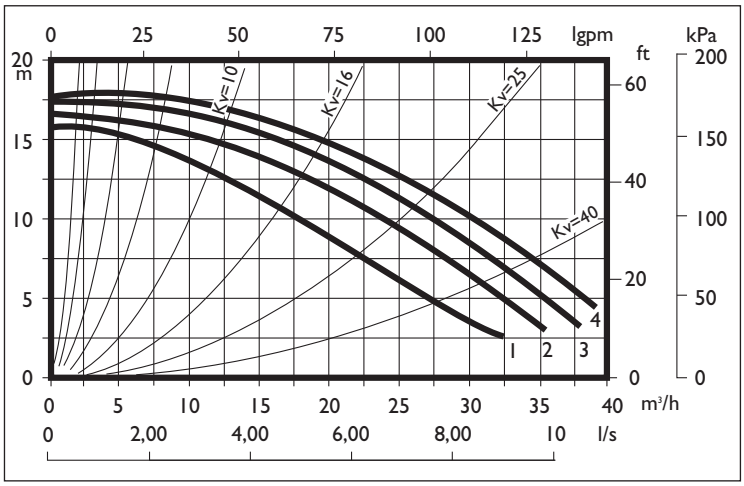
Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2650	600-980	4,70	2,00
3	2450	460-820	4,10	1,45
2	2270	400-710	3,85	1,20
1	1930	350-600	3,30	1,00

CIRCOLATORI A 4 VELOCITÀ

CURVE DI PRESTAZIONE serie ETHERMA 5-120-2

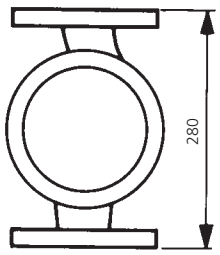
(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 5-120-2 Pompa singola

Attacco
2" - 50 mm

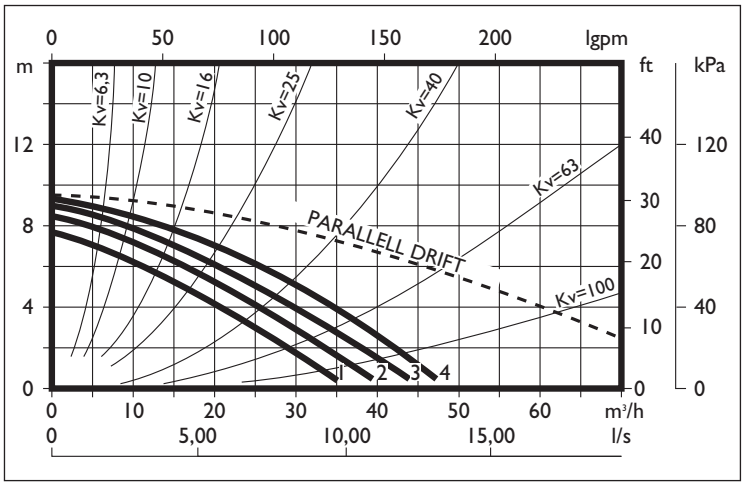


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	1300-2050	9,20	3,50
3	2660	1200-1850	8,40	3,20
2	2490	1000-1700	7,60	2,90
1	2280	900-1500	6,70	2,60

CURVE DI PRESTAZIONE serie ETHERMA 6-95-2

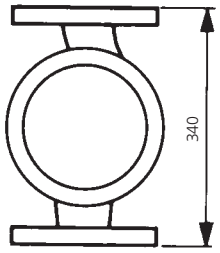
(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 6-95-2 Pompa singola
ETHERMA D 6-95-2 Pompa gemellare
ETHERMA B 6-95-2 Bronzo

Attacco
2"½ - 65 mm

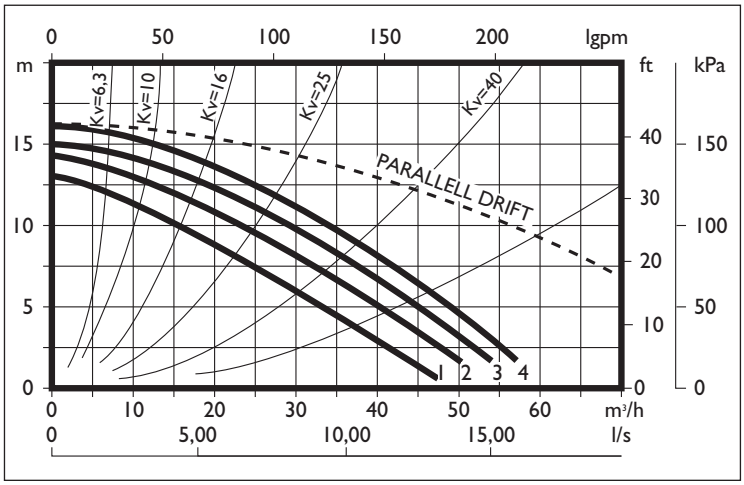


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	680-1070	4,50	2,10
3	2680	560-920	2,45	1,58
2	2560	500-790	2,00	1,35
1	2380	425-660	1,65	1,15

CURVE DI PRESTAZIONE serie ETHERMA 6-110-2

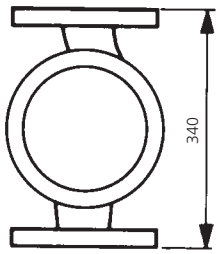
(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 6-110-2 Pompa singola
ETHERMA D 6-110-2 Pompa gemellare

Attacco
2"½ - 65 mm



Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	1200-2180	9,20	3,80
3	2660	1100-2050	8,40	3,50
2	2490	1000-1850	7,80	3,10
1	2280	900-1550	6,80	2,70

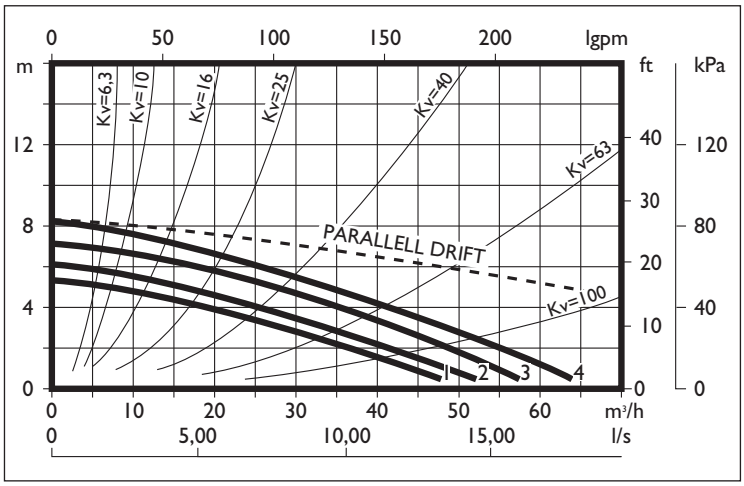
ETHERMA

CIRCOLATORI A 4 VELOCITÀ

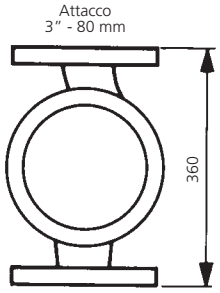
CURVE DI PRESTAZIONE serie ETHERMA 8-95-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 8-95-2 Pompa singola
ETHERMA D 8-95-2 Pompa gemellare

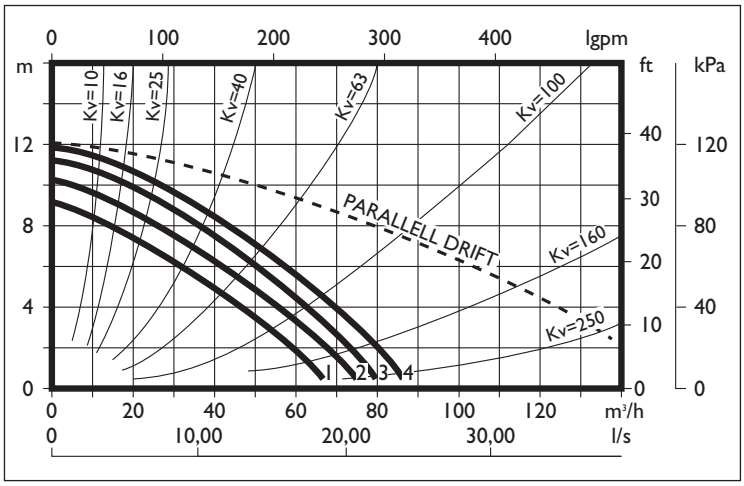


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	1060-1187	6,20	2,20
3	2680	963-1087	5,80	2,00
2	2560	875-992	4,60	1,72
1	2380	750-827	3,80	1,50

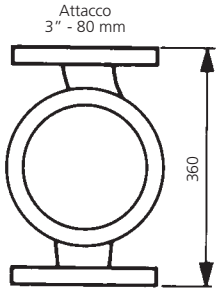
CURVE DI PRESTAZIONE serie ETHERMA 8-100-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 8-100-2 Pompa singola
ETHERMA D 8-100-2 Pompa gemellare

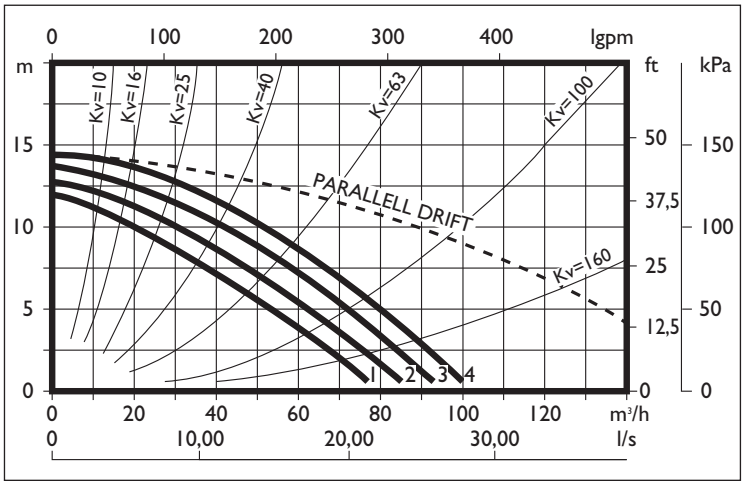


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	1500-2100	10,00	3,70
3	2660	1400-1900	9,50	3,30
2	2490	1250-1700	8,70	3,00
1	2280	1150-1500	7,60	2,60

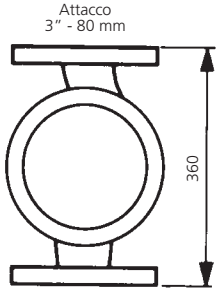
CURVE DI PRESTAZIONE serie ETHERMA 8-120-2

(secondo ISO 9906 Allegato A)

2 Poli



ETHERMA 8-120-2 Pompa singola
ETHERMA D 8-120-2 Pompa gemellare



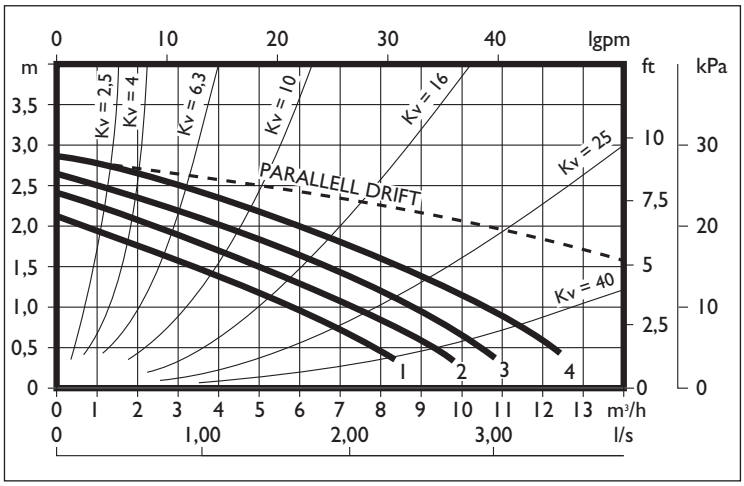
Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	2800	1850-2800	-	4,80
3	2660	1700-2550	-	4,40
2	2490	1550-2250	-	3,90
1	2280	1400-1850	-	3,30

CIRCOLATORI A 4 VELOCITÀ

CURVE DI PRESTAZIONE serie ETHERMA 4-100-4

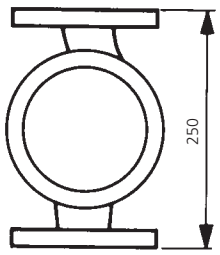
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA	4-100-4	Pompa singola
ETHERMA D	4-100-4	Pompa gemellare
ETHERMA B	4-100-4	Bronzo

Attacco
1"½ - 40 mm

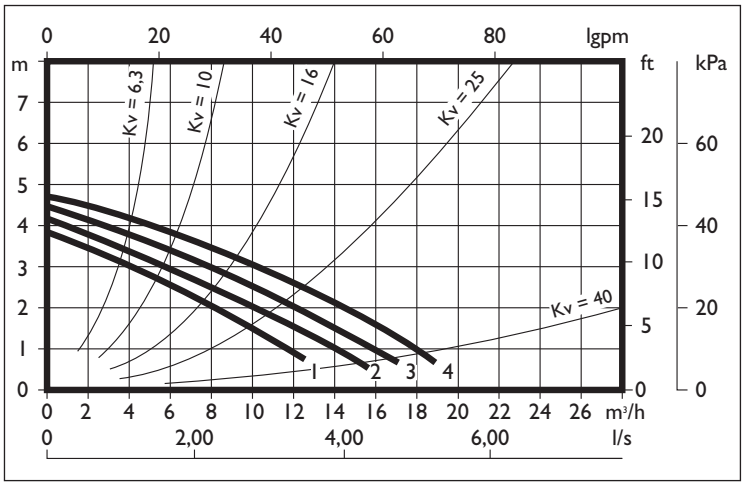


Velocità	R.P.M.	P_1 [W]	I [A]	
			1 x 230	3 x 400
4	1200	140-190	0,85	0,48
3	1080	115-160	0,73	0,34
2	960	85-130	0,65	0,25
1	850	70-105	0,57	0,20

CURVE DI PRESTAZIONE serie ETHERMA 4-125-4

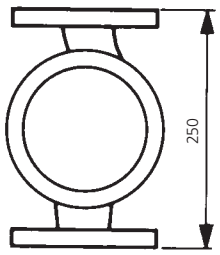
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA	4-125-4	Pompa singola

Attacco
1"½ - 40 mm

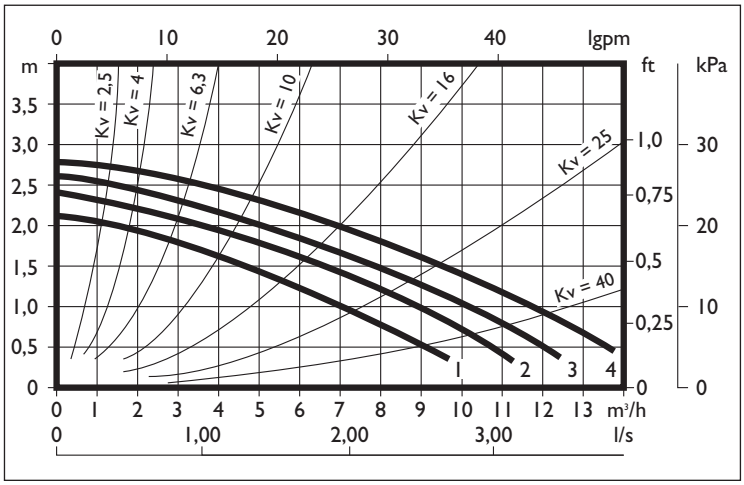


Velocità	R.P.M.	P_1 [W]	I [A]	
			1 x 230	3 x 400
4	1340	190-325	1,75	0,85
3	1250	160-300	1,40	0,65
2	1100	135-250	1,30	0,53
1	980	115-215	1,15	0,43

CURVE DI PRESTAZIONE serie ETHERMA 5-100-4

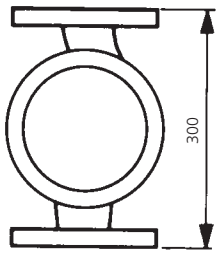
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA	5-100-4	Pompa singola

Attacco
2" - 50 mm

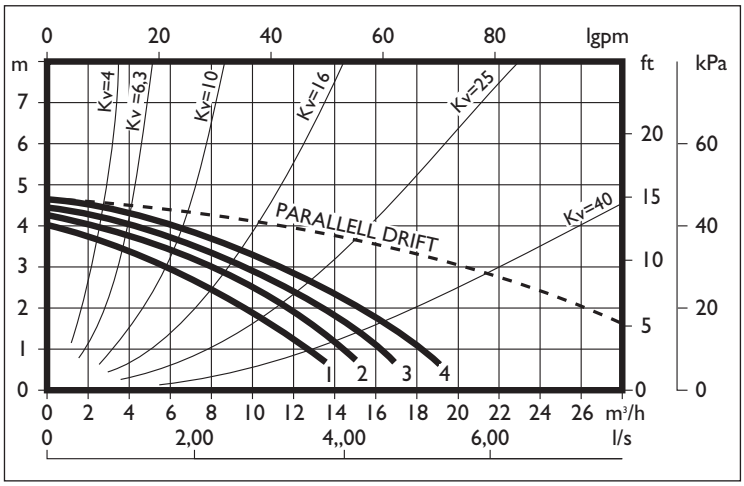


Velocità	R.P.M.	P_1 [W]	I [A]	
			1 x 230	3 x 400
4	1200	140-200	0,85	0,48
3	1080	115-170	0,75	0,34
2	960	85-135	0,65	0,26
1	850	70-110	0,58	0,21

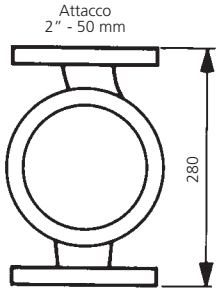
CURVE DI PRESTAZIONE serie ETHERMA 5-125-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 5-125-4 Pompa singola
ETHERMA D 5-125-4 Pompa gemellare
ETHERMA B 5-125-4 Bronzo

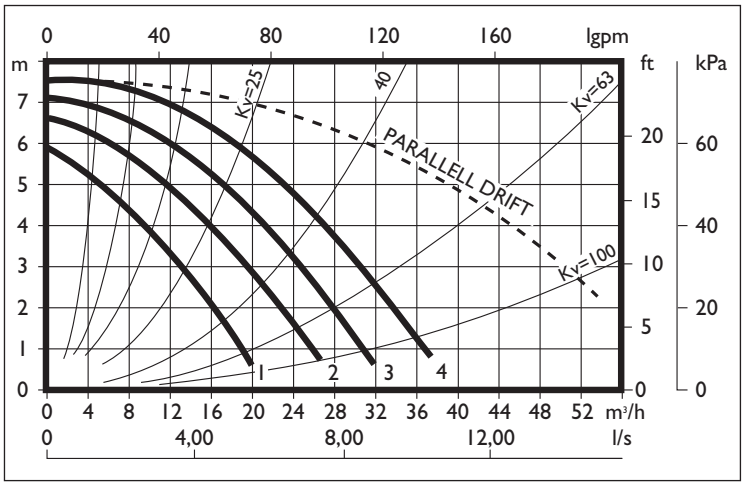


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1340	190-330	1,80	0,88
3	1250	160-300	1,40	0,67
2	1100	130-260	1,30	0,55
1	980	120-220	1,20	0,45

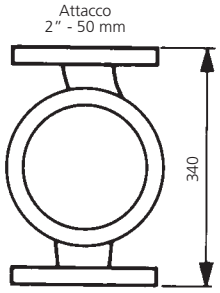
CURVE DI PRESTAZIONE serie ETHERMA 5-160-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 5-160-4 Pompa singola
ETHERMA D 5-160-4 Pompa gemellare

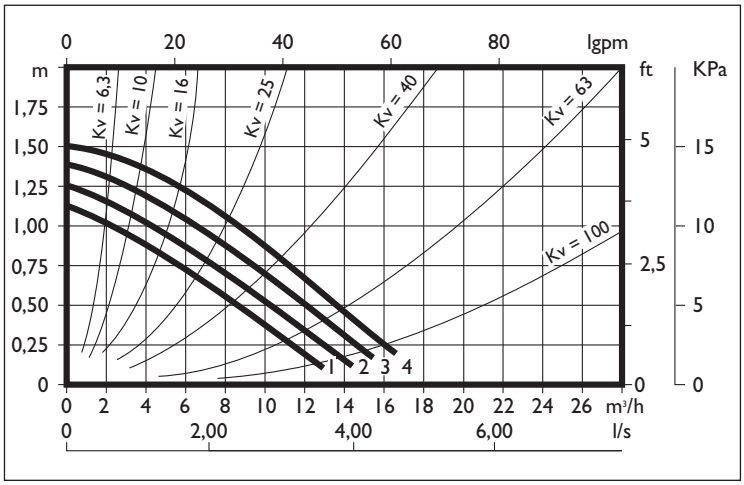


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1360	428-900	5,20	2,00
3	1290	396-820	4,00	1,71
2	1210	344-680	3,00	1,45
1	1110	311-530	2,58	1,19

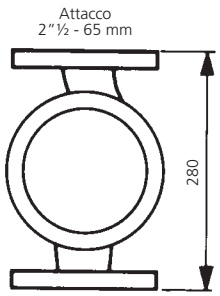
CURVE DI PRESTAZIONE serie ETHERMA 6-92-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 6-92-4 Pompa singola

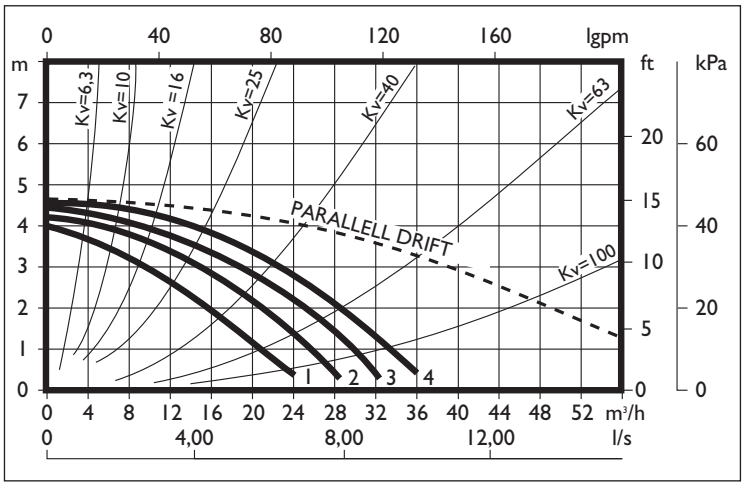


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1200	158-173	0,97	0,62
3	1080	126-142	0,94	0,42
2	960	96-109	0,88	0,30
1	850	75-85	0,81	0,23

CURVE DI PRESTAZIONE serie ETHERMA 6-125-4

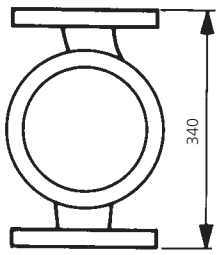
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA	6-125-4	Pompa singola
ETHERMA D	6-125-4	Pompa gemellare
ETHERMA B	6-125-4	Bronzo

Attacco
2"½ - 65 mm

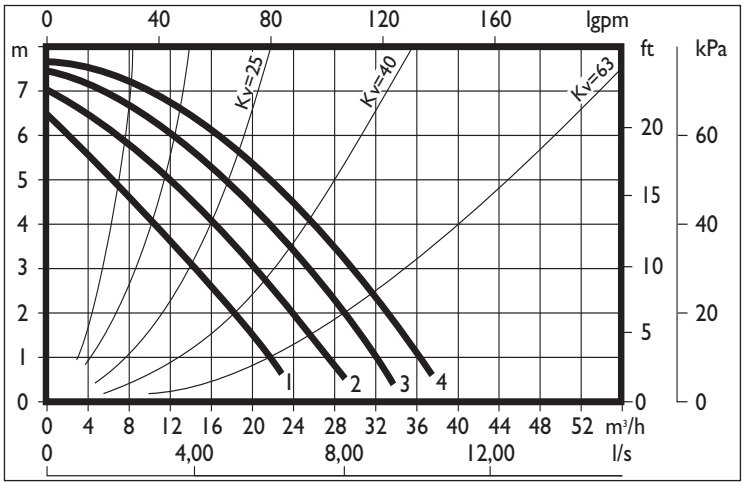


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1380	250-490	2,50	1,15
3	1330	210-450	2,20	0,95
2	1260	180-390	2,00	0,80
1	1180	160-340	1,80	0,65

CURVE DI PRESTAZIONE serie ETHERMA 6-160-4

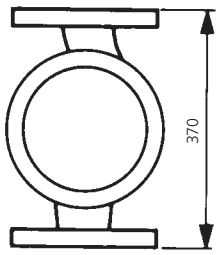
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 6-160-4 Pompa singola

Attacco
2"½ - 65 mm

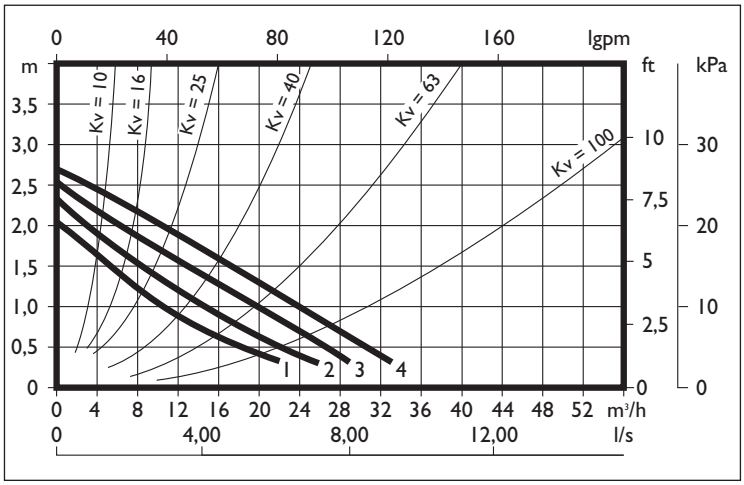


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1360	380-770	5,10	1,70
3	1290	350-730	3,90	1,40
2	1210	310-630	2,90	1,20
1	1110	270-530	2,40	1,00

CURVE DI PRESTAZIONE serie ETHERMA 8-92-4

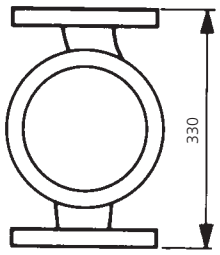
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 8-92-4 Pompa singola

Attacco
3" - 80 mm

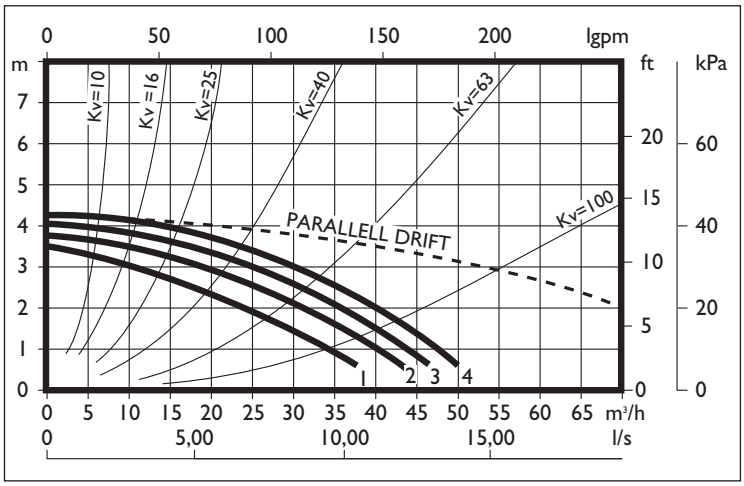


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1340	256-346	1,86	1,03
3	1250	211-290	1,70	0,92
2	1100	185-246	1,54	0,83
1	980	156-200	1,41	0,76

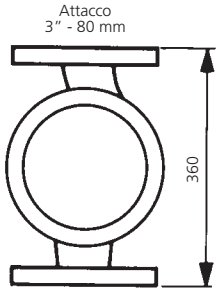
CURVE DI PRESTAZIONE serie ETHERMA 8-125-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 8-125-4 Pompa singola
ETHERMA D 8-125-4 Pompa gemellare

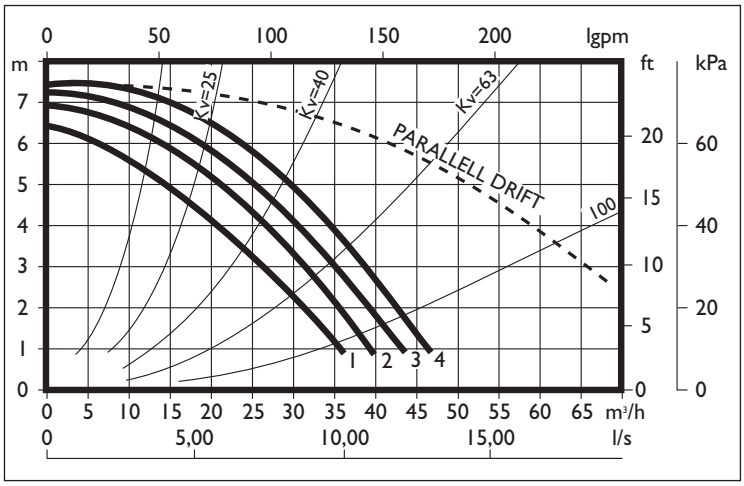


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1360	375-574	3,00	1,59
3	1290	342-531	2,75	1,23
2	1210	302-473	2,65	1,03
1	1110	270-416	2,53	0,90

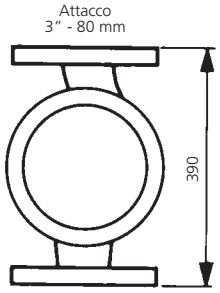
CURVE DI PRESTAZIONE serie ETHERMA 8-160-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 8-160-4 Pompa singola
ETHERMA D 8-160-4 Pompa gemellare

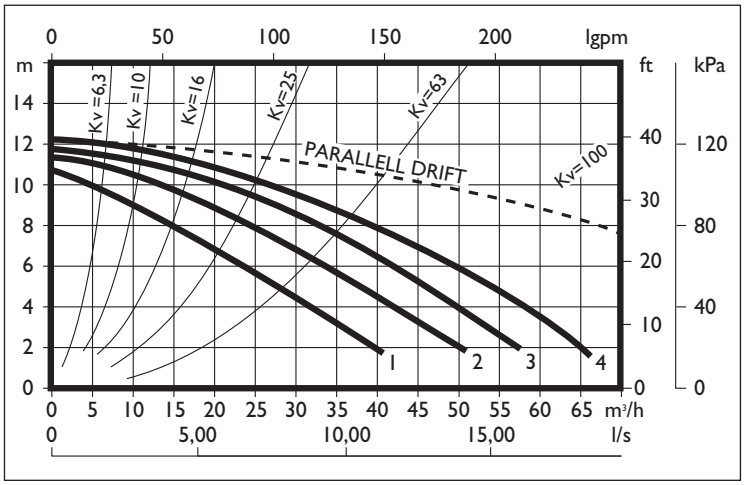


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1370	550-1000	-	2,40
3	1280	500-950	-	2,00
2	1190	450-820	-	1,75
1	1080	410-700	-	1,50

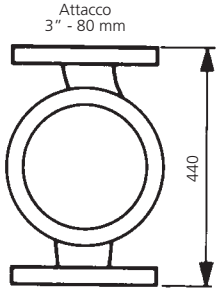
CURVE DI PRESTAZIONE serie ETHERMA 8-200-4

(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 8-200-4 Pompa singola
ETHERMA D 8-200-4 Pompa gemellare

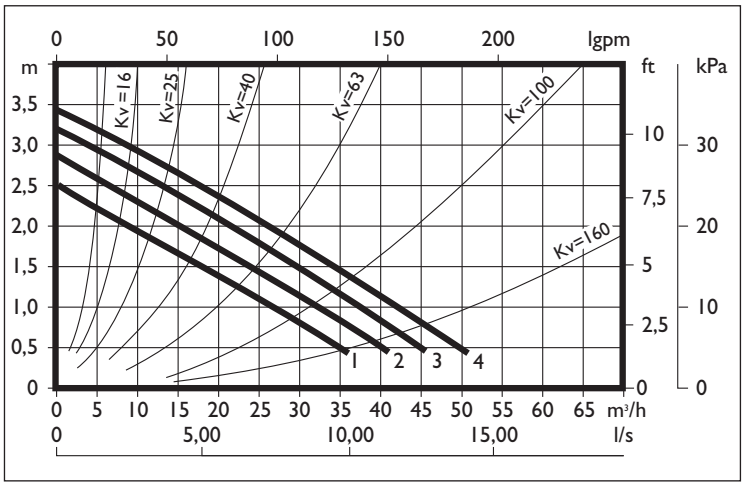


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1390	900-1900	-	4,10
3	1310	840-1800	-	3,60
2	1240	770-1600	-	3,20
1	1100	700-1300	-	2,85

CURVE DI PRESTAZIONE serie ETHERMA 10-130-4

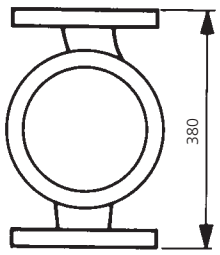
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 10-130-4 Pompa singola

Attacco
4" - 100 mm

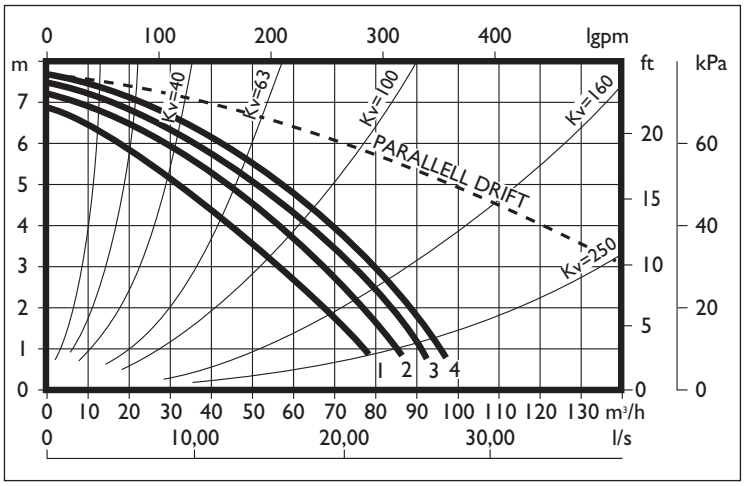


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1380	442-500	2,60	1,40
3	1330	416-470	2,37	1,29
2	1260	371-418	2,16	1,16
1	1180	323-357	1,93	1,06

CURVE DI PRESTAZIONE serie ETHERMA 10-160-4

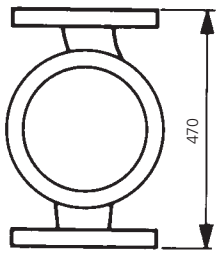
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 10-160-4 Pompa singola
ETHERMA D 10-160-4 Pompa gemellare

Attacco
4" - 100 mm

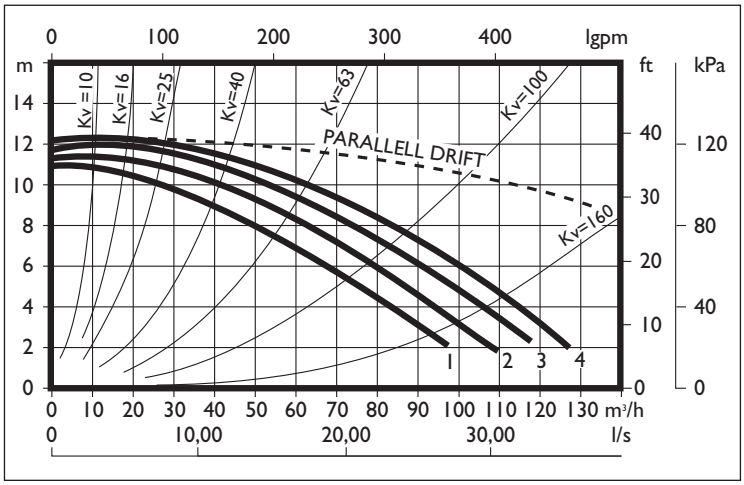


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1390	1016-1549	-	3,69
3	1310	955-1481	-	3,23
2	1240	876-1385	-	2,88
1	1100	819-1245	-	2,66

CURVE DI PRESTAZIONE serie ETHERMA 10-210-4

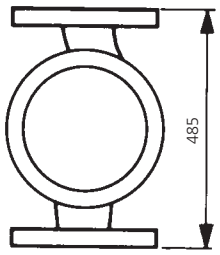
(secondo ISO 9906 Allegato A)

4 Poli



ETHERMA 10-210-4 Pompa singola
ETHERMA D 10-210-4 Pompa gemellare

Attacco
4" - 100 mm

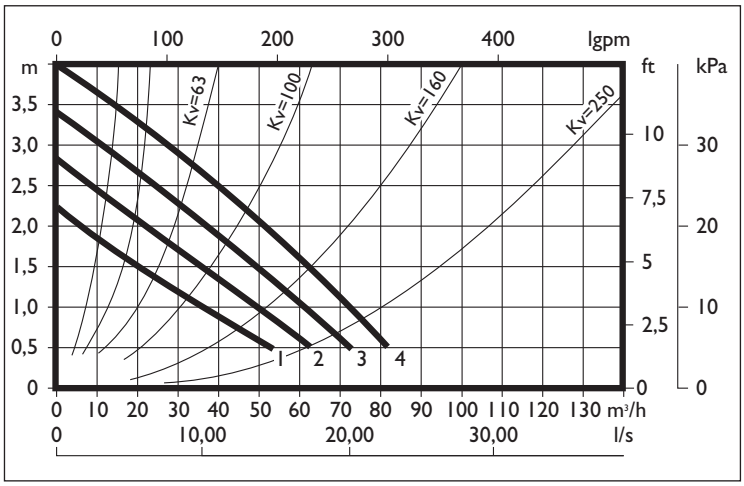


Velocità	R.P.M.	P_1 [W]	I [A] 1 x 230	I [A] 3 x 400
4	1420	1750-3500	-	7,40
3	1330	1650-3400	-	6,70
2	1220	1500-3000	-	6,15
1	1000	1400-2600	-	5,55

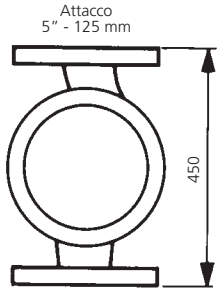
CURVE DI PRESTAZIONE serie ETHERMA 12-135-4

(secondo ISO 9906 Allegato A)

4 Poli

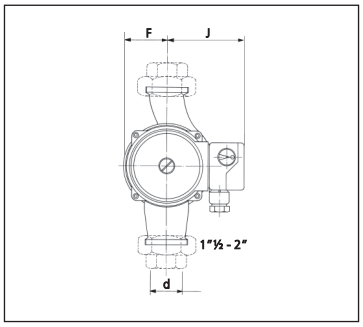


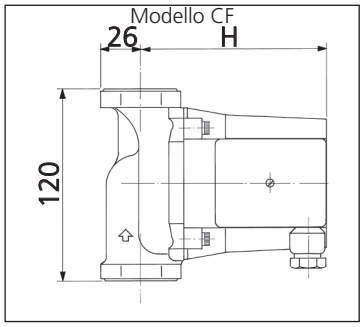
ETHERMA 12-135-4 Pompa singola

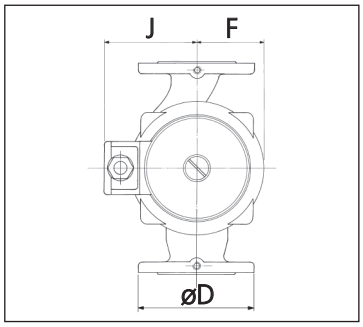


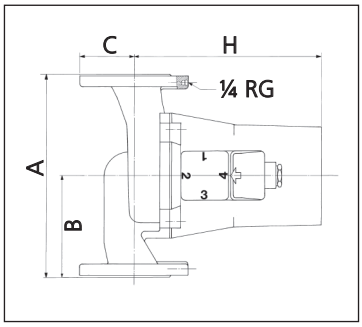
Velocità	R.P.M.	P_1 [W]	I [A]	
			1 x 230	3 x 400
4	1360	734-897	5,20	2,00
3	1290	678-826	4,00	1,71
2	1210	590-695	3,00	1,45
1	1110	492-553	2,58	1,19

DIMENSIONI POMPA SINGOLA

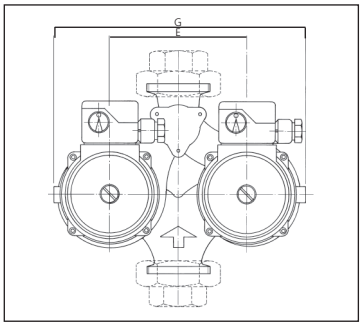


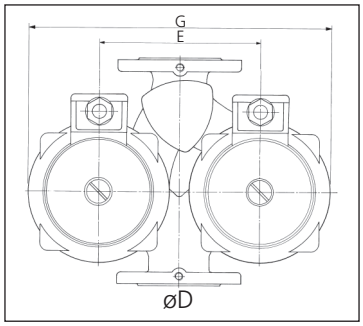


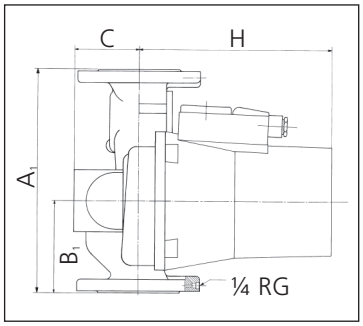




DIMENSIONI POMPA GEMELLARE







DIMENSIONI FLANGE

