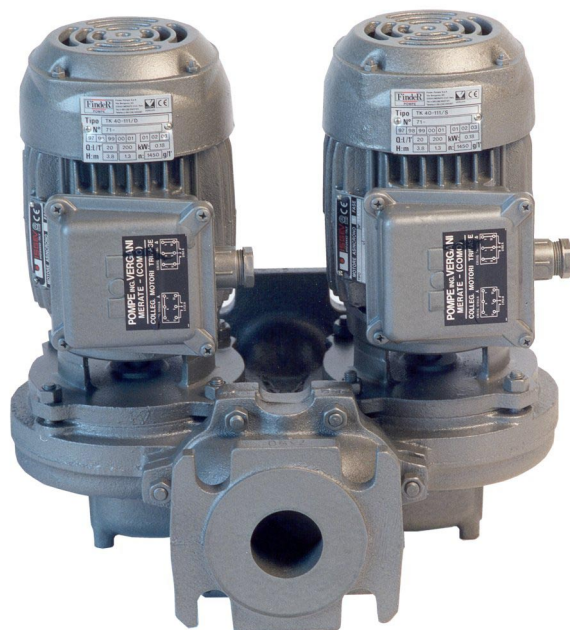
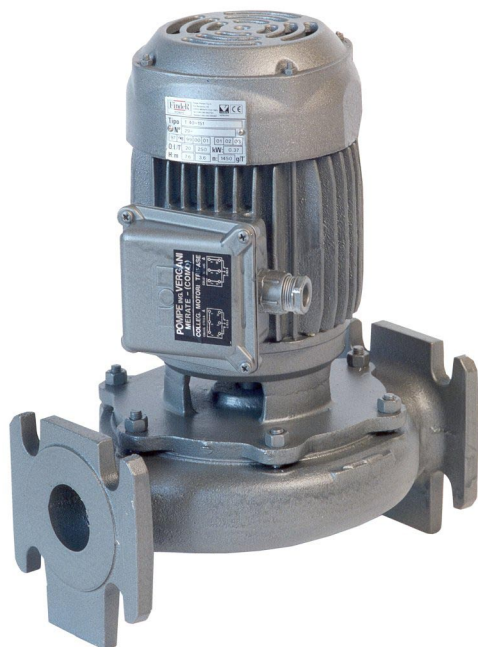




Campo prestazioni :

Portata max.	180 Mc/h
Prevalenza max.	23 M.c.a.
Pressione esercizio max.	10 Bar
Temperatura	Min. -10 °C. Max.+120 °C.
Bocche	da DN40 a DN 125

Performance:

Capacity max.	180 Mc/h
Head max.	23 M.c.a.
Max. working pressure	10 Bar
Temperature	Min. -10°C. Max.+120 °C.
Flanges	from DN40 to DN 125



T - TK

Pompe centrifughe in linea
In-line centrifugal pumps

FINDER
a **DOVER** company

TIPOLOGIA

Elettropompa centrifuga monogirante con bocche di aspirazione e mandata in linea PN 10.

APPLICAZIONI

Impianti centralizzati di riscaldamento, circolazione acque refrigerate di condizionamento e distribuzione acqua calda sanitaria.

COSTRUZIONE

Tenuta meccanica, girante equilibrata dinamicamente direttamente calettata su albero allungato.
Motore elettrico con carcassa in ghisa

DATI TECNICI

Alimentazione 1 x 230 - 3 x 230/400
Frequenza 50 Hz (60 Hz su richiesta)
Isolamento Classe F
Protezione IP 55
Poli 4
Velocità 1400 giri/ min.

MATERIALI DI COSTRUZIONE

Corpo pompa	Ghisa GG 25
Corpo motore el anterna	Ghisa GG 25
Albero	Aisi 420
Tenuta mecc.	Ceramica / Grafite / NBR
Girante	Ghisa / Tecnopolimero

LEGENDA

T	elettropompa in -line	esecuzione singola
TK	elettropompa in -line	esecuzione gemellare

NOTE PARTICOLARI

- 1) Tutte le elettropompe serie TK (gemellari) sono corredate di flangia cieca di servizio.
- 2) Kit controflange, bulloni e guarnizioni fornibile separatamente
- 3) Tutte le elettropompe sono dotate di sfiato della tenuta meccanica
- 4) Flangiatura PN 10
- 5) Nella serie TK è dotata di motori con rotazione diversa e sono identificati, sulla targhetta, rispettivamente con D (destrorsa) e S (sinistrorsa) .
E' importante verificare il senso di rotazione in fase di avviamento per evitare avarie e il decadimento della garanzia in caso di danneggiamento dei motori elettrici.
- 6) Disponibili a richiesta versioni con alimentazione a 60Hz.

DESCRIPTION

Single stage centrifugal pump with NP10 suction and discharge nozzles.

APPLICATIONS

Centralized heating systems, cooling water circulation in conditioning systems, sanitary hot water distribution.

CONSTRUCTION

Mechanical seal, dynamically balanced impeller directly splined on the extended shaft.
Electric motor with cast iron casing.

TECHNICAL DATA

Tension	1 x 230 - 3 x 230/400
Frequency	50 Hz (60 Hz su richiesta)
Insulation	Classe F
Protection	IP 55
Poles	4
Speed	1400 giri/ min.

MATERIALS OF CONSTRUCTION

Pump casing	Cast iron GG 25
Motor casing and lantern	Cast iron GG 25
Shaft	Aisi 420
Mechanical seal	Ceramic / Carbon / NBR
Impeller	Cast iron / Tecnopolimer

LEGENDA

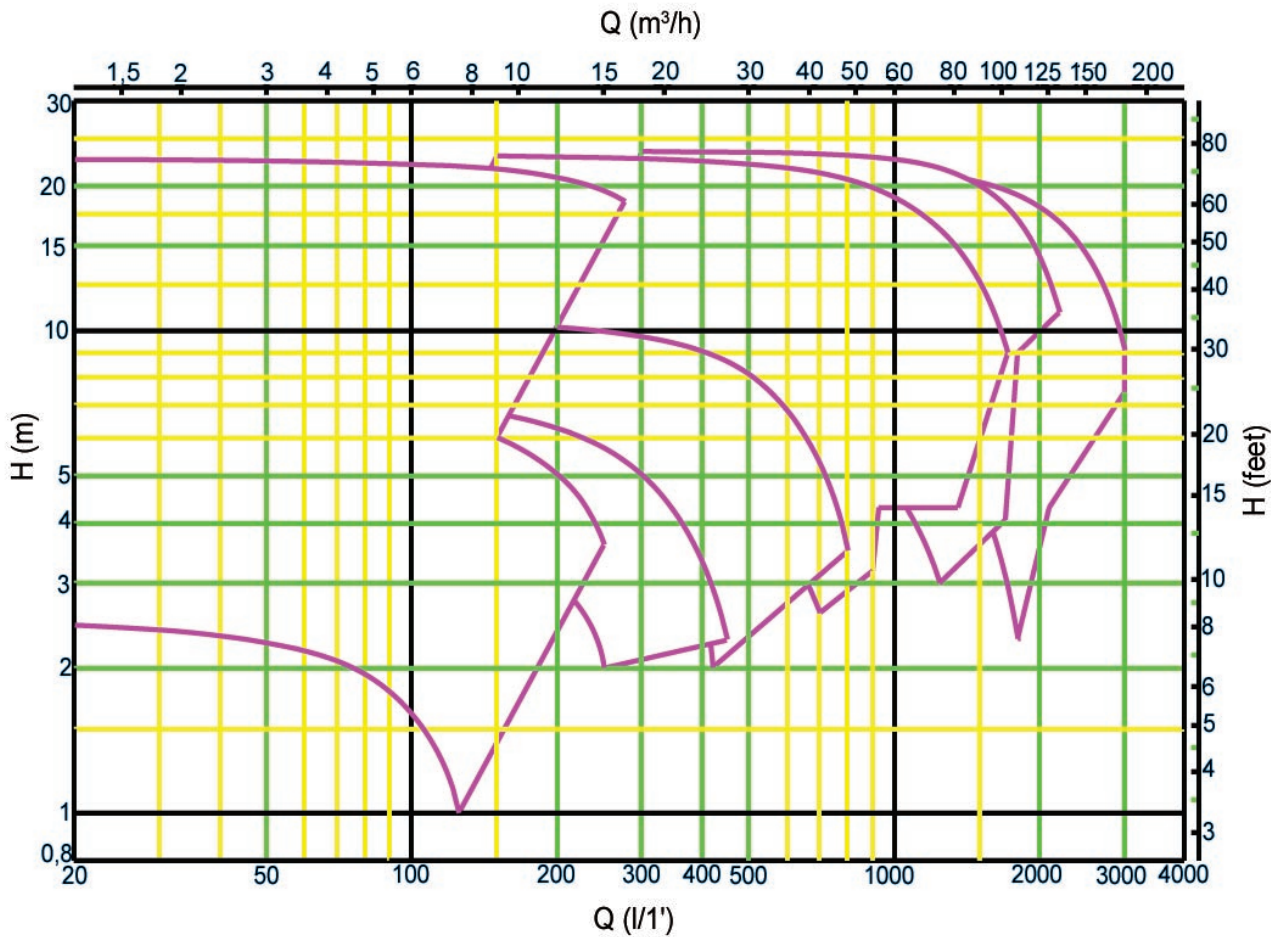
T	in-line pump	single execution
TK	in-line pump	twin execution

SPECIAL NOTES

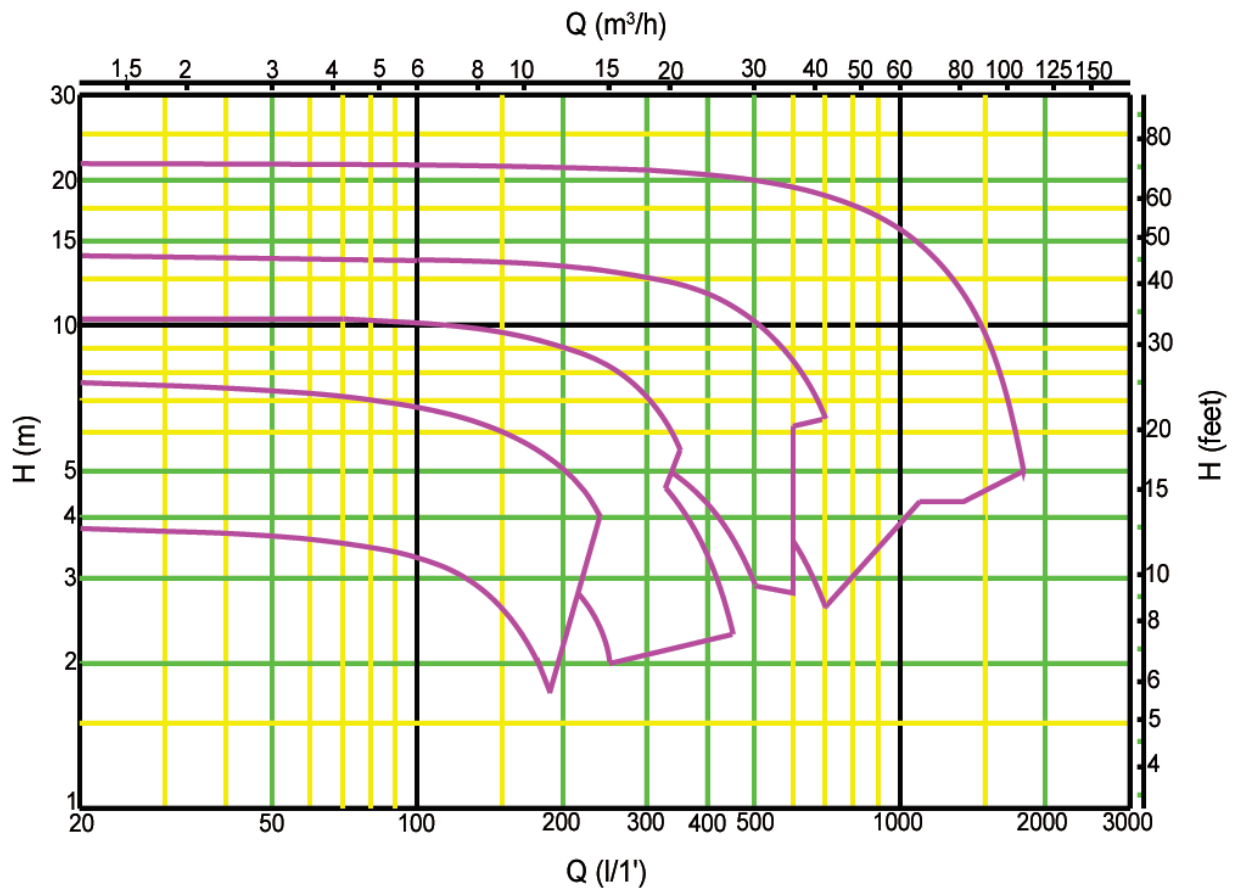
- 1) All the TK pumps (twin) are equipped with blind flange.
- 2) Kit formed by counter-flange, bolts and gaskets can be individually supplied.
- 3) All pumps are equipped with mechanical seal vent
- 4) NP 10 flanges
- 5) TK series is equipped with motors having different rotating directions; those are identified on the pump nameplate by D (right) and S (left) respectively.
It is important to verify the correct rotating direction before start up in order to avoid wrong operations and the consequent end of warranty in case of damages to the electric motors.
- 6) Upon request, pumps can be supplied with 60Hz motors.

CAMPO DI SELEZIONE - SELECTION CHART

T - 1450 rpm - 50 Hz



TK - 1450 rpm - 50 Hz



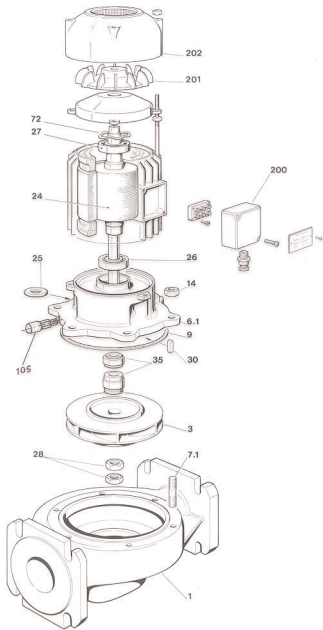
DISEGNO ESPLOSO E
LISTA COMPONENTI

EXPLODED VIEW AND
COMPONENT LIST

T

ELENCO PARTI - PART LIST		
N°	COMPONENTE	COMPONENT
1	CORPO	CASING
3	GIRANTE	IMPELLER
6	SCUDO LANTERNA	LANTERN COVER
9	GUARNIZIONE PIANA	FLAT GASKET
14	DADO ESAGONALE	EXAGONAL NUT
14.2	DADO ESAGONALE	EXAGONAL NUT
24	ALBERO MOTORE	MOTOR SHAFT
25	DEFLETTORE	DEFLECTOR
26	CUSCINETTO LATO POMPA	BEARING PUMP SIDE
27	CUSCINETTO LATO MOTORE	BEARING FAN SIDE
28	DADO	NUT
31.4	VITE A TESTA ESAGONALE	EXAGONAL CAP SCREW
35	TENUTA MECCANICA	MECHANICAL SEAL
72	ANELLO COMPENSATORE	COMPENSATING SPRING
105	VALVOLA DI SFIATO	VENT VALVE
200	COPERCHIO MORSETTIERA	TERMINAL BOX COVER
201	VENTOLA MOTORE	MOTOR FAN
202	COPORIVENTOLA	FAN COVER

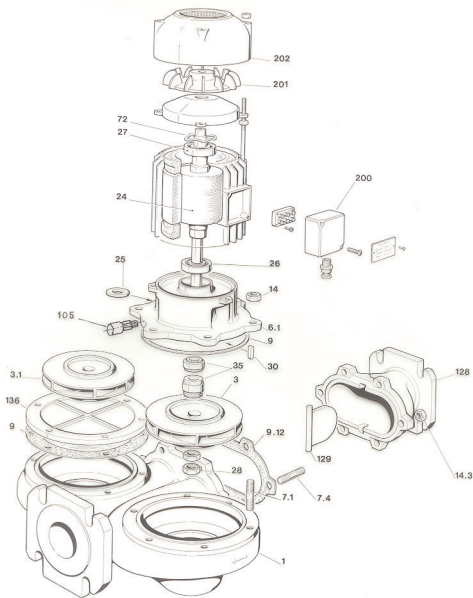
	Pezzi di ricambio consigliati per 1 anno	Spare parts suggested recommended for 1 year
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TK

ELENCO PARTI - PART LIST		
N°	COMPONENTE	COMPONENT
1	CORPO	CASING
3	GIRANTE DESTRA	IMPELLER (RIGHT SIDE)
3.01	GIRANTE SINISTRA	IMPELLER (LEFT SIDE)
6.1	SCUDO LANTERNA	LANTERN COVER
7.1	PRIGIONIERO	STUD
7.4	PRIGIONIERO	STUD
9	GUARNIZIONE PIANA	FLAT GASKET
9.12	GUARNIZIONE PIANA	FLAT GASKET
14	DADO ESAGONALE	EXAGONAL NUT
14.2	DADO ESAGONALE	EXAGONAL NUT
14.3	DADO ESAGONALE	EXAGONAL NUT
24	ALBERO MOTORE	MOTOR SHAFT
25	DEFLETTORE	DEFLECTOR
26	CUSCINETTO LATO POMPA	BEARING PUMP SIDE
27	CUSCINETTO LATO MOTORE	BEARING FAN SIDE
28	DADO	NUT
31.4	VITE A TESTA ESAGONALE	EXAGONAL CAP SCREW
35	TENUTA MECCANICA	MECHANICAL SEAL
72	ANELLO COMPENSATORE	COMPENSATING SPRING
105	VALVOLA DI SFIATO	VENT VALVE
128	COLLETTORE	COLLECTOR
129	VALVOLA	VALVE
136	FLANGIA CIECA	BLIND FLANGE
200	COPERCHIO MORSETTIERA	TERMINAL BOX COVER
201	VENTOLA MOTORE	MOTOR FAN
202	COPORIVENTOLA	FAN COVER

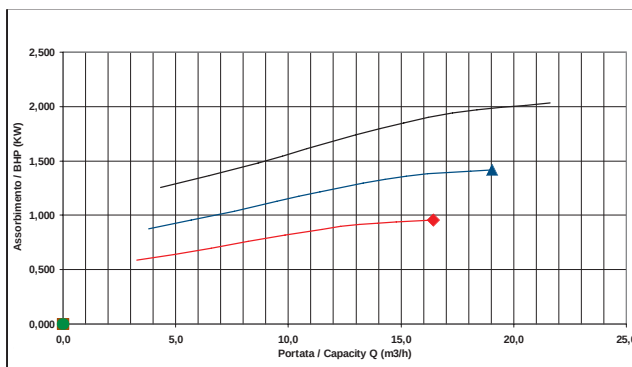
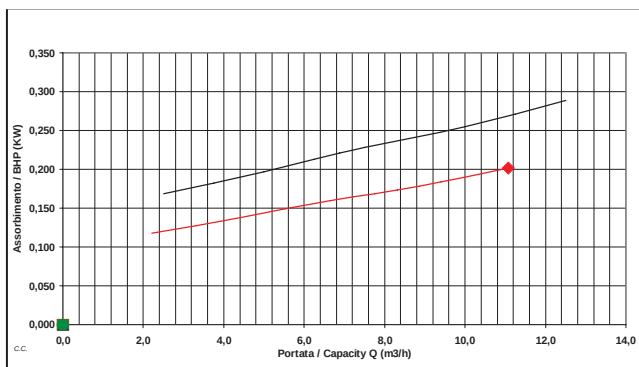
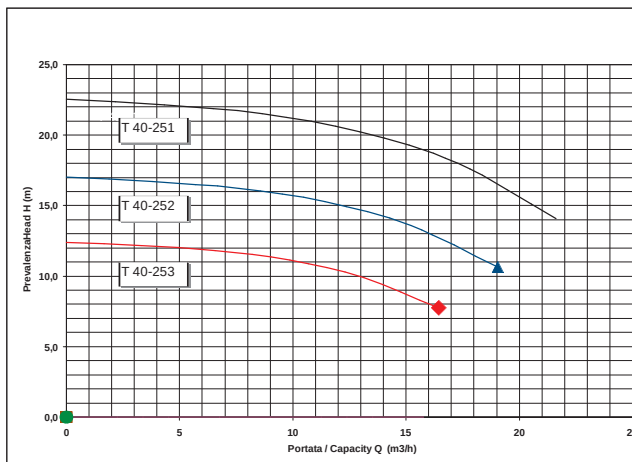
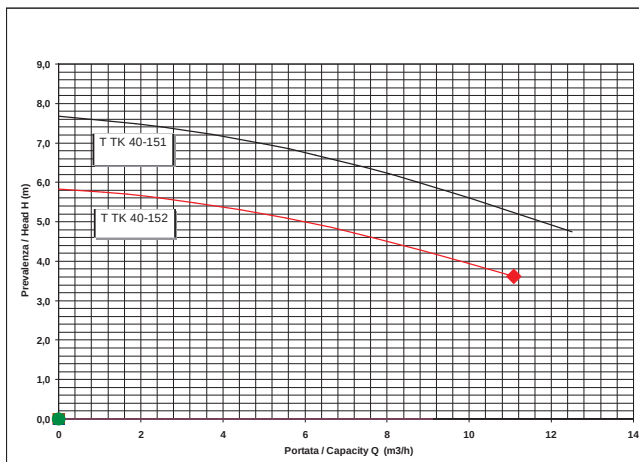
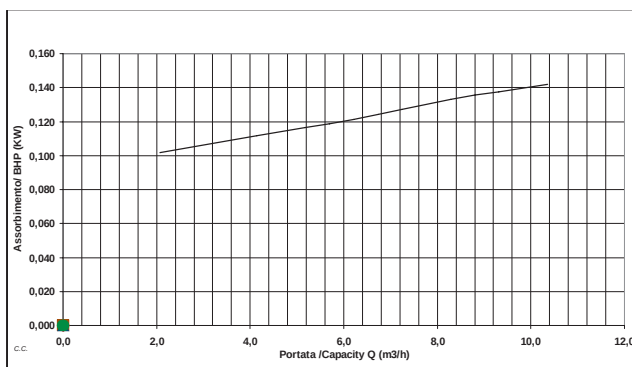
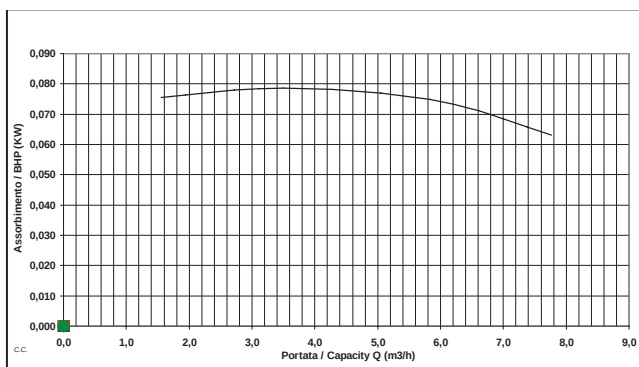
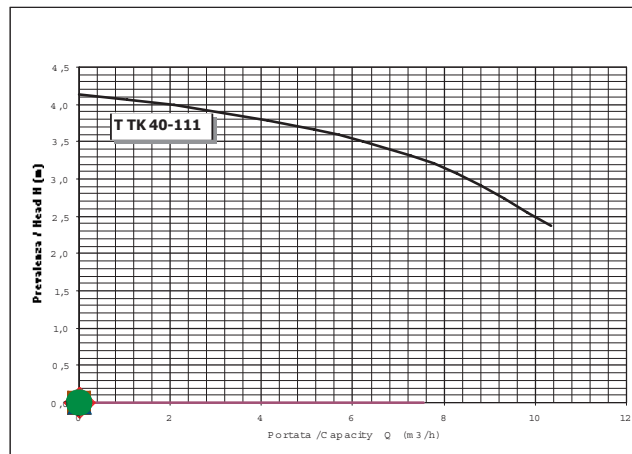
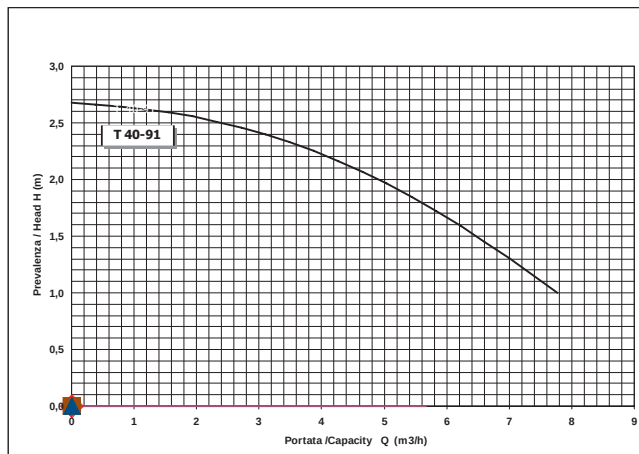
	Pezzi di ricambio consigliati per 1 anno	Spare parts suggested recommended for 1 year
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CURVE DI FUNZIONAMENTO

1450 RPM

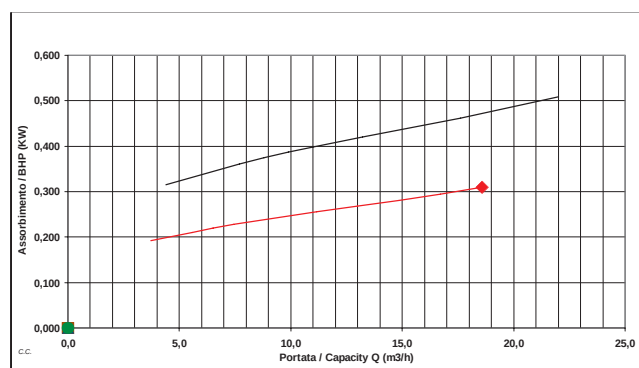
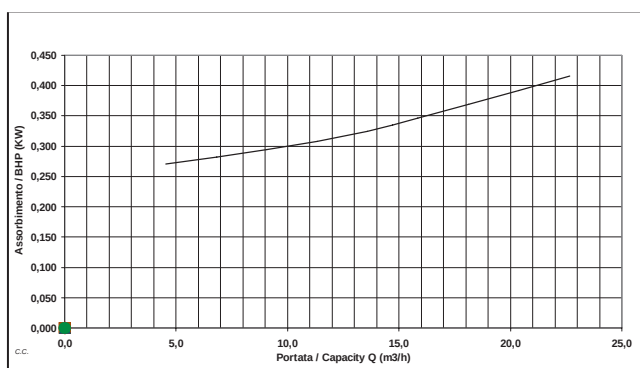
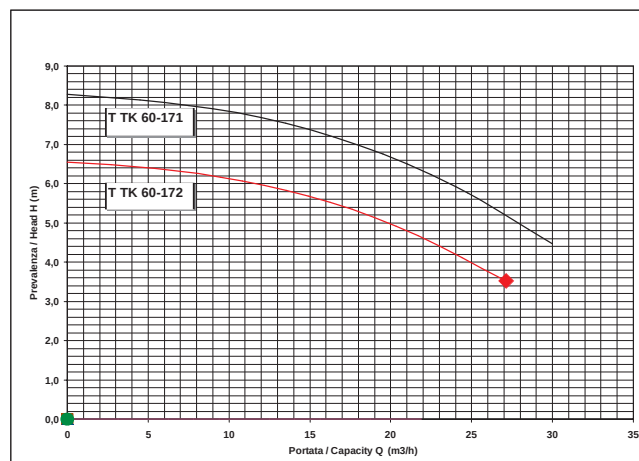
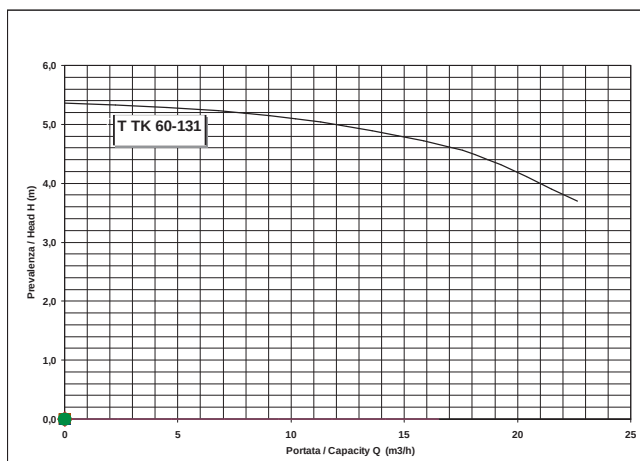
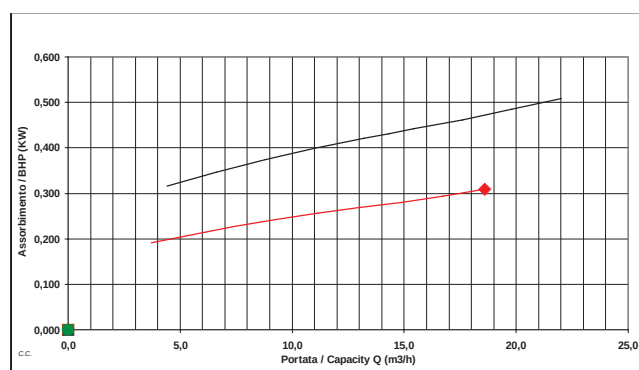
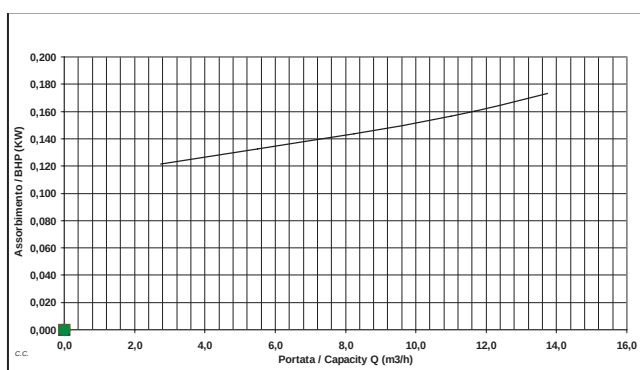
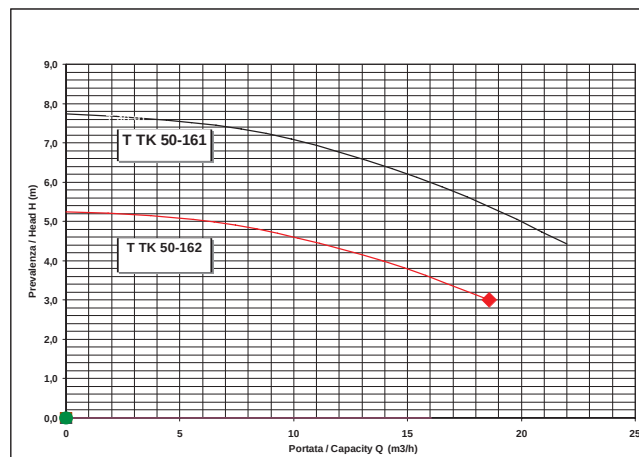
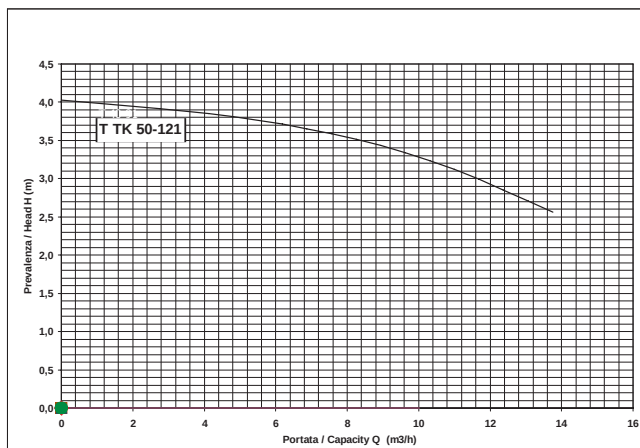
PERFORMANCE CURVES



CURVE DI FUNZIONAMENTO

1450 RPM

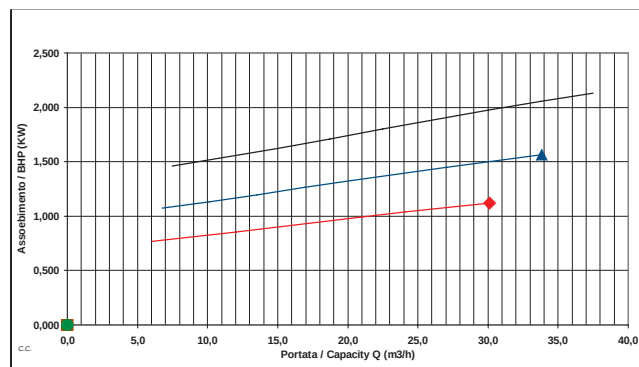
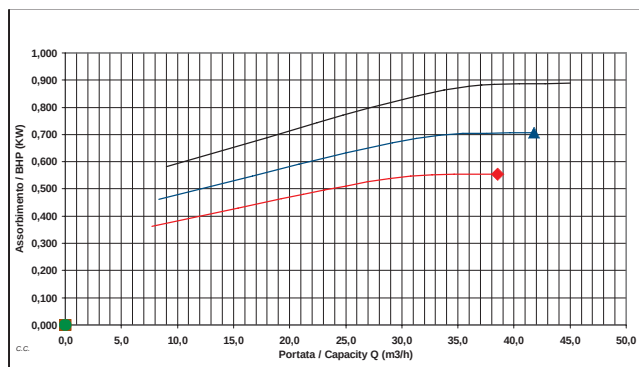
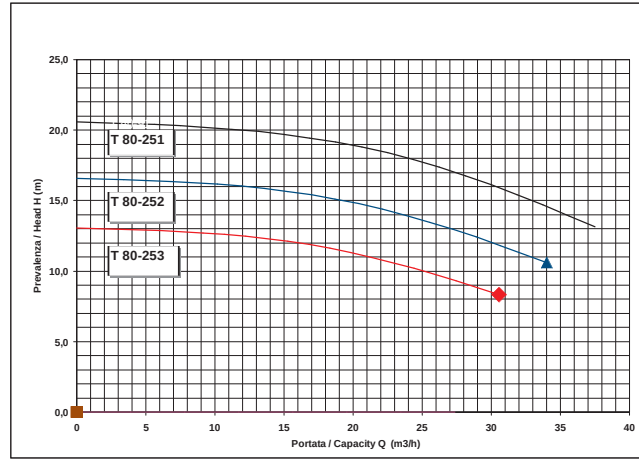
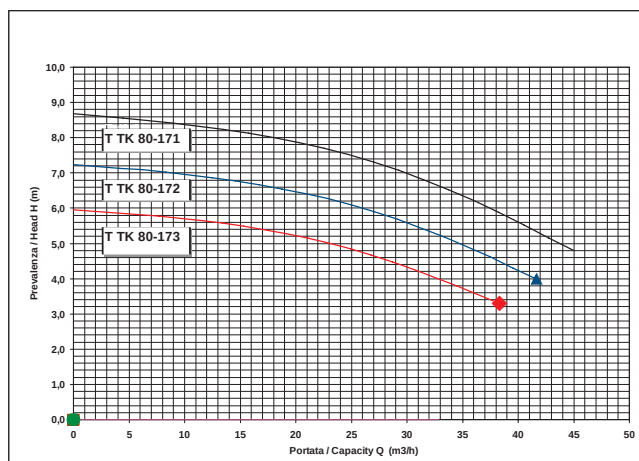
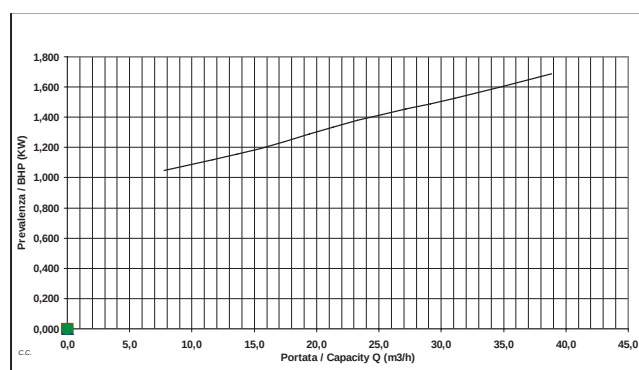
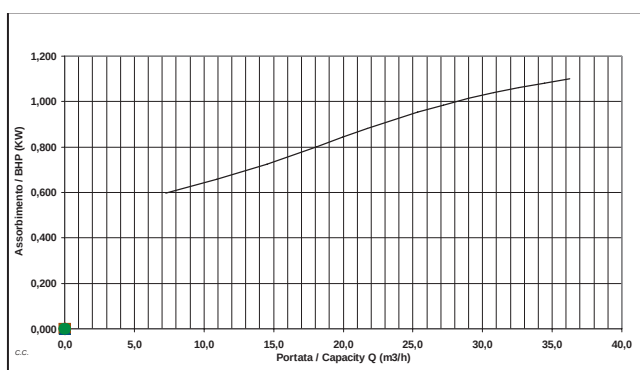
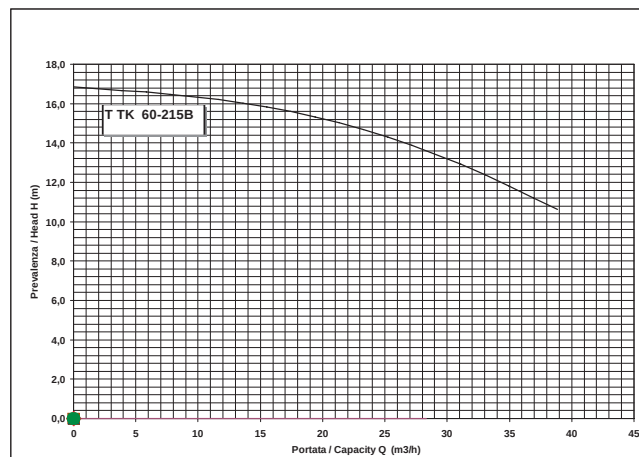
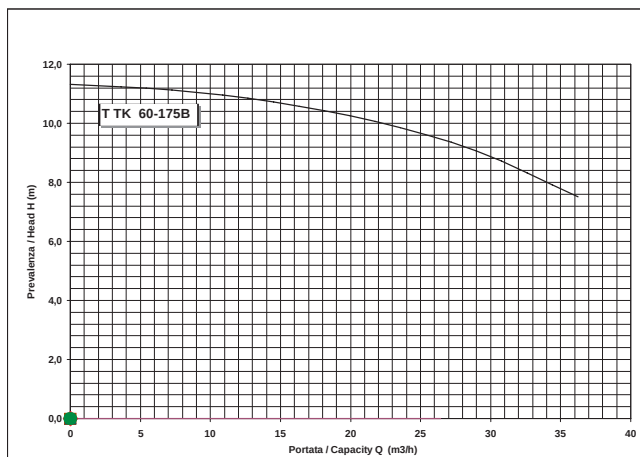
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CURVE DI FUNZIONAMENTO

1450 RPM

PERFORMANCE CURVES

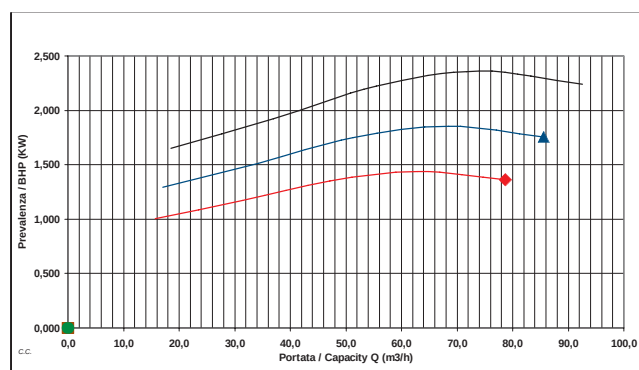
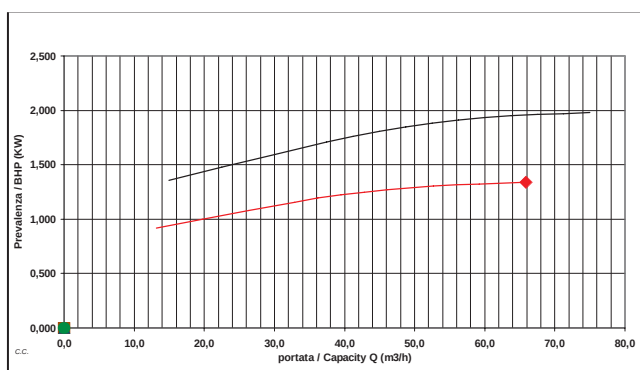
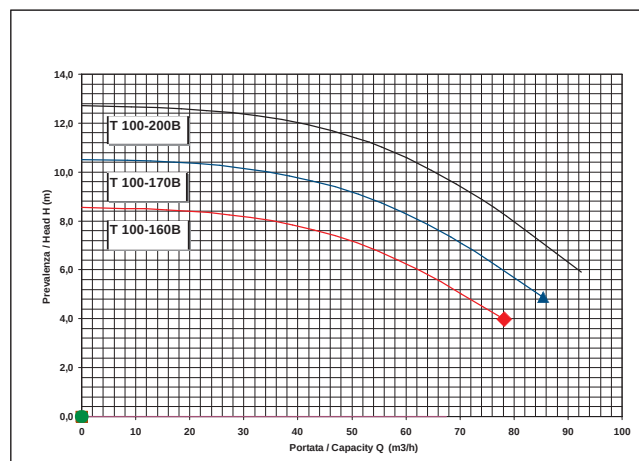
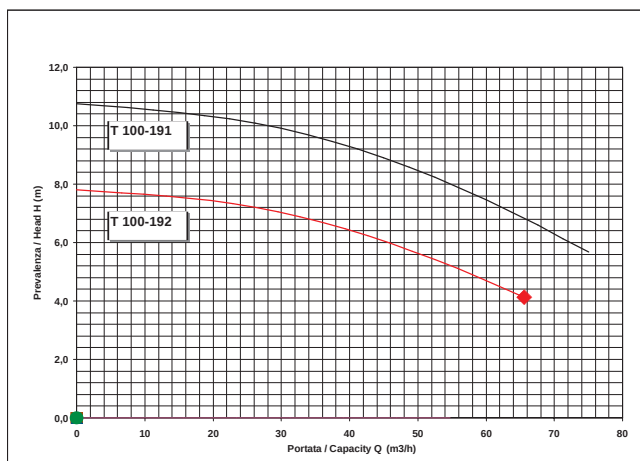
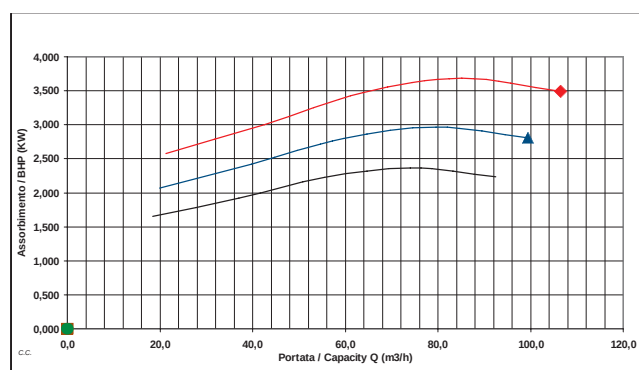
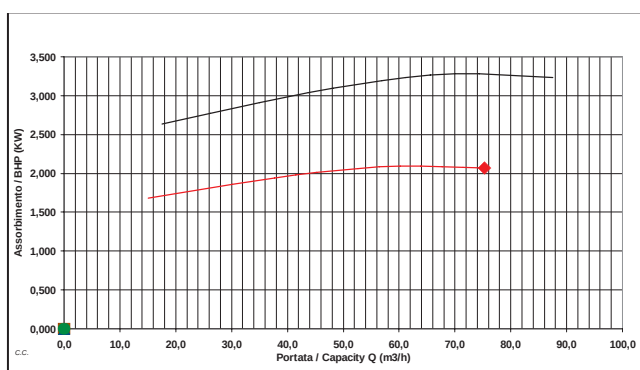
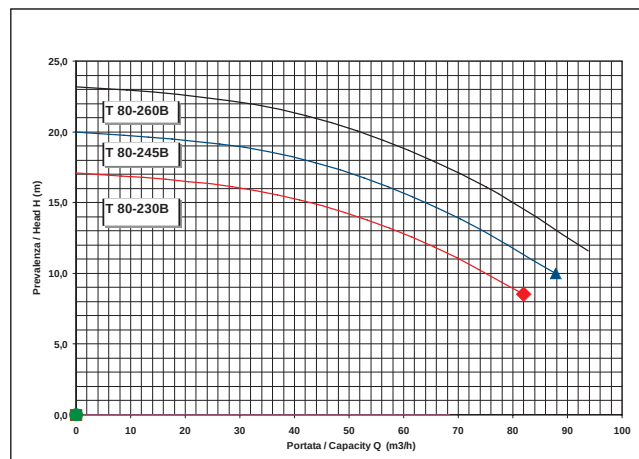
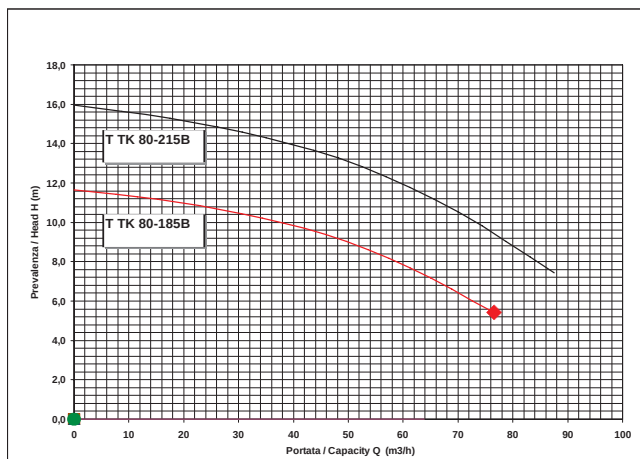


CURVE DI FUNZIONAMENTO

1450 RPM

PERFORMANCE CURVES

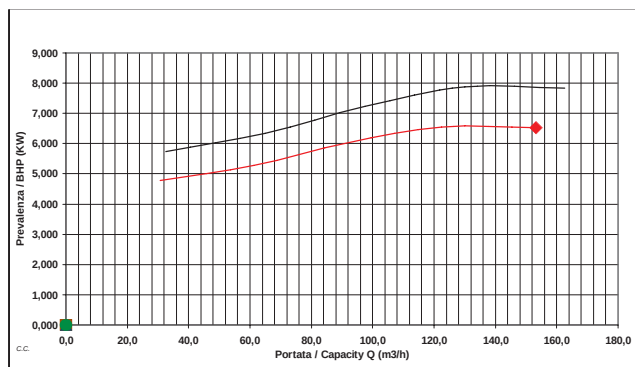
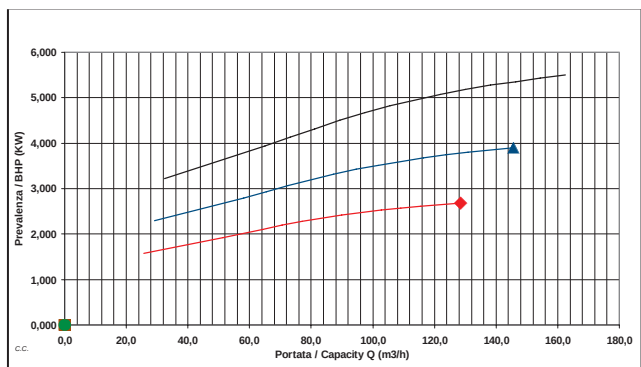
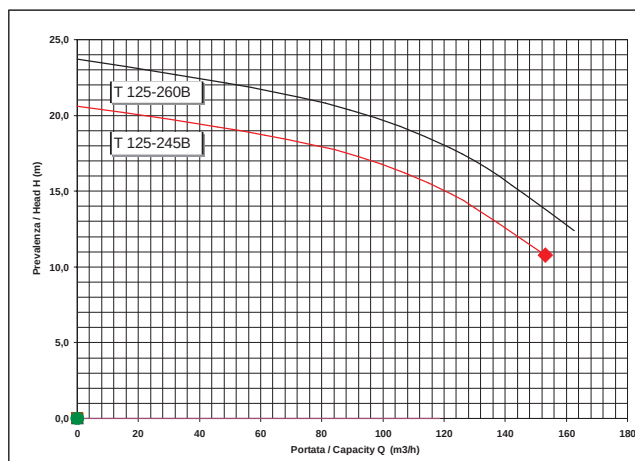
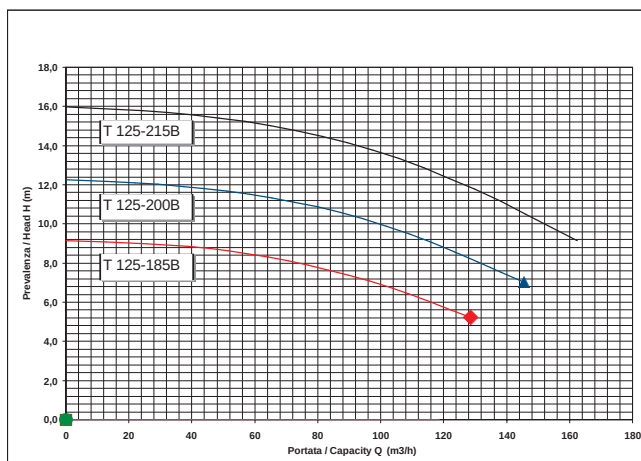
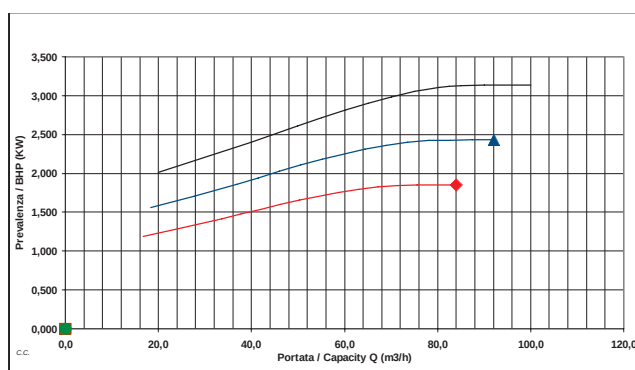
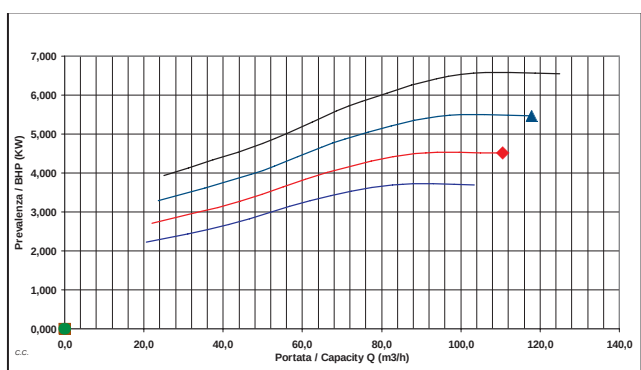
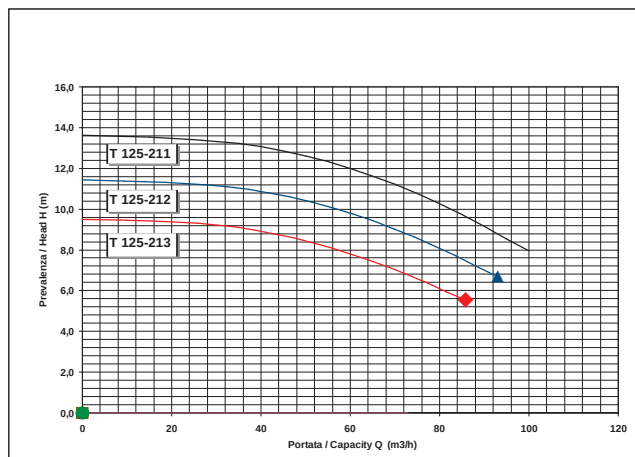
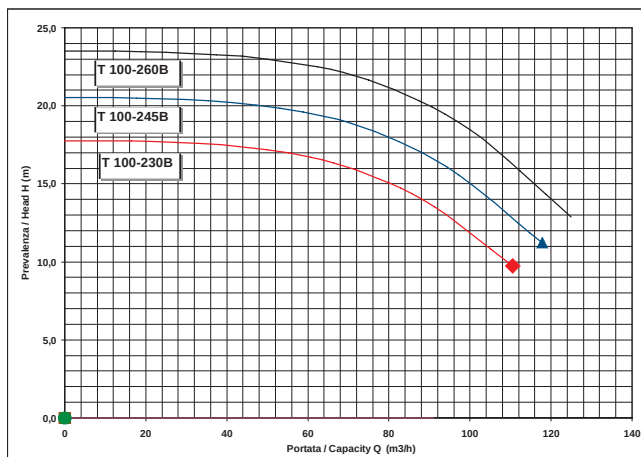
1450 RPM



CURVE DI FUNZIONAMENTO

1450 RPM

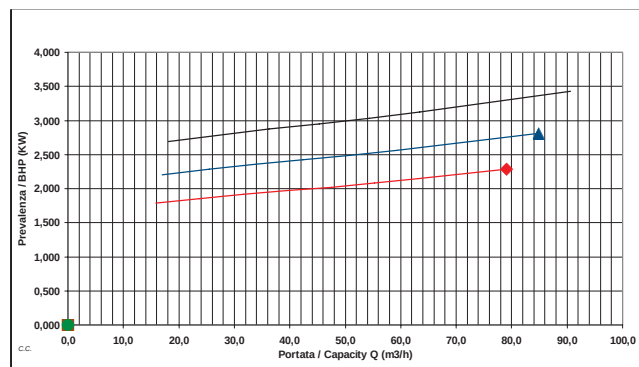
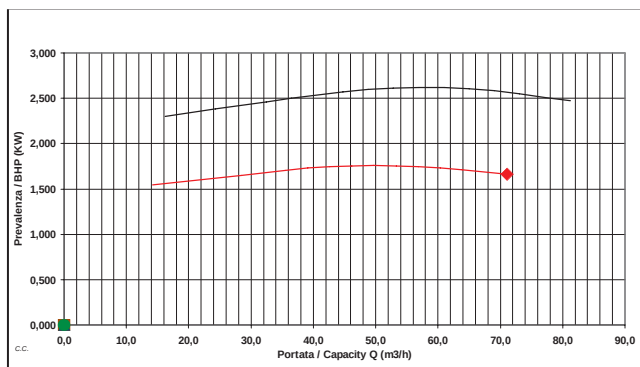
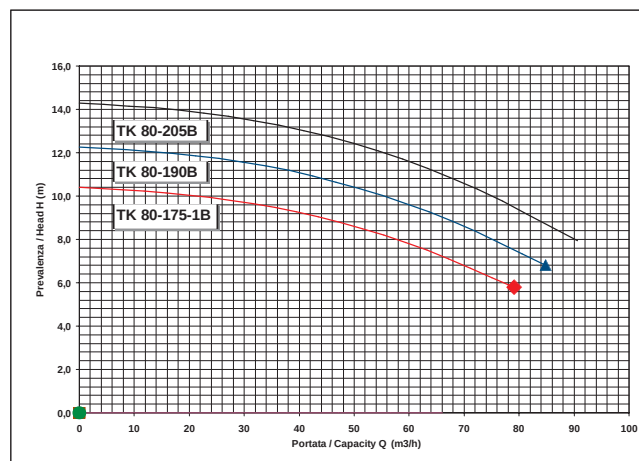
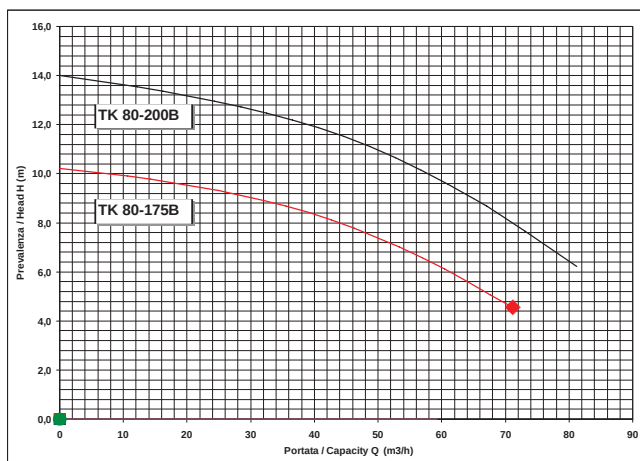
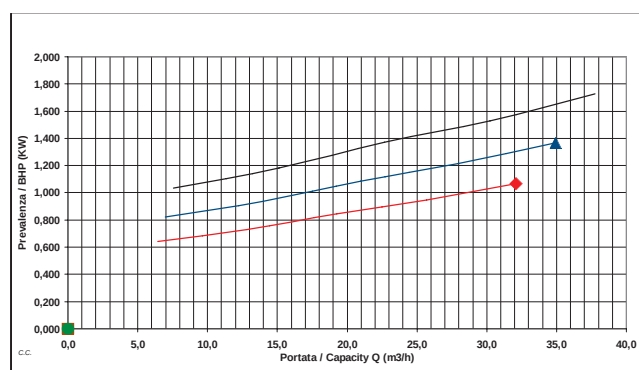
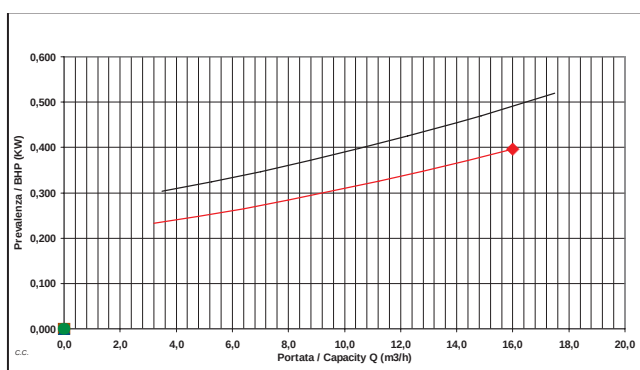
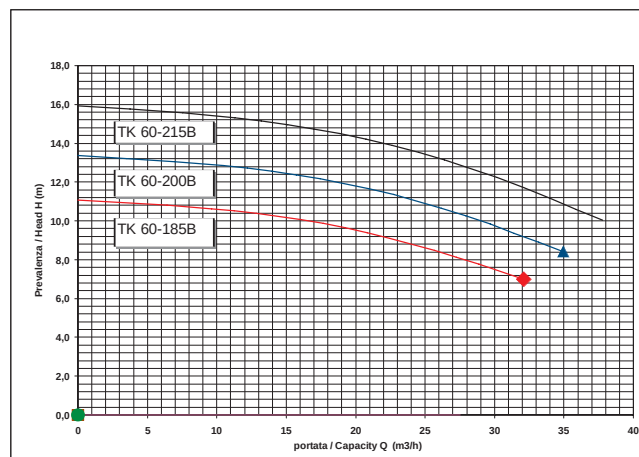
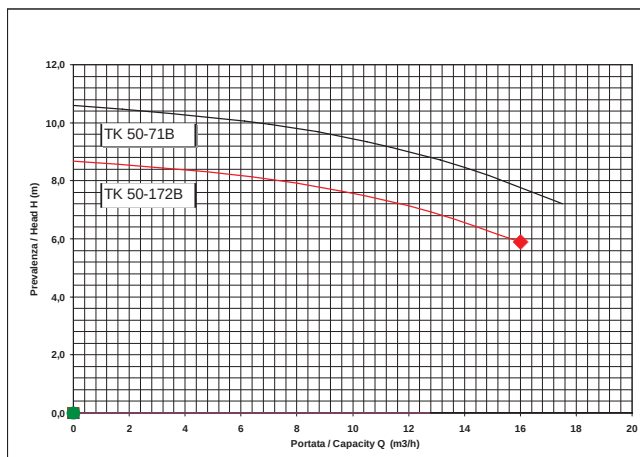
PERFORMANCE CURVES

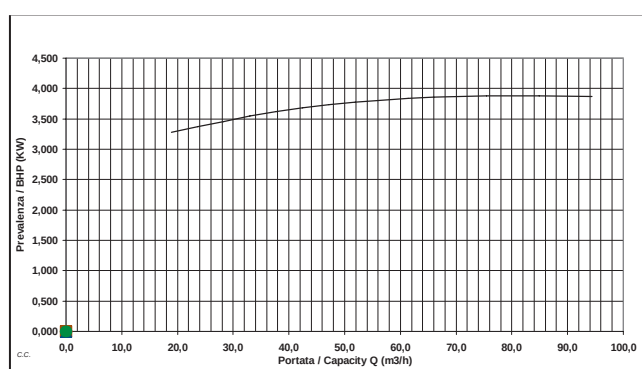
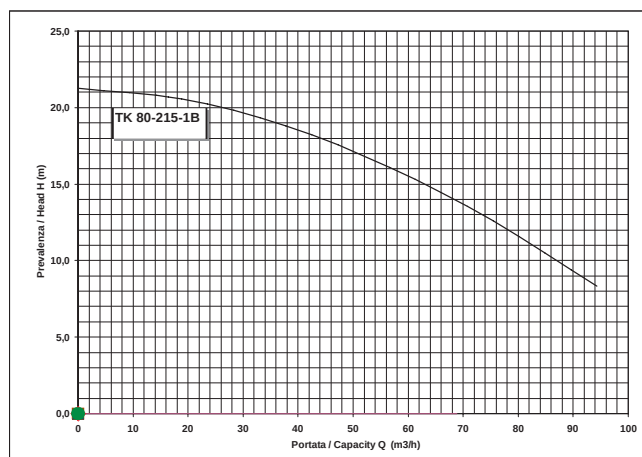


CURVE DI FUNZIONAMENTO

1450 RPM

PERFORMANCE CURVES





INSTALLAZIONE

Seguire le indicazioni suggerite per i collegamenti alle tubazioni.

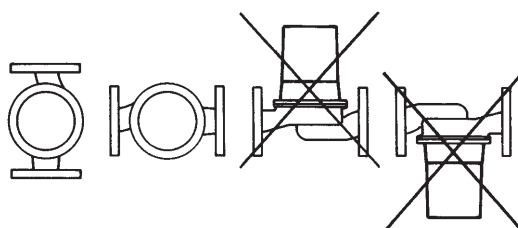
Nelle versioni gemellari con il montaggio delle tubazioni in verticale la valvola clapet deve essere rivolta verso l'alto.

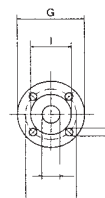
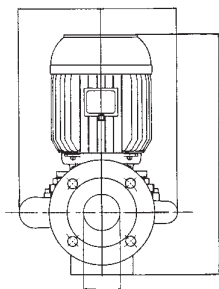
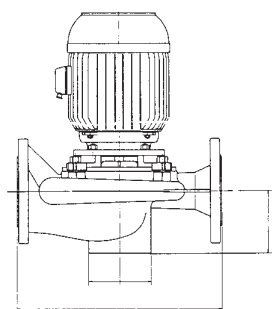
Nel caso di tubazione orizzontale a parete con le teste motore sovrapposte avere cura di spurgare con regolarità la testa superiore. Deve essere sempre effettuato lo spurgo dell'aria dalla tenuta meccanica

INSTALLATION

Follow the instructions given for the connections to piping.

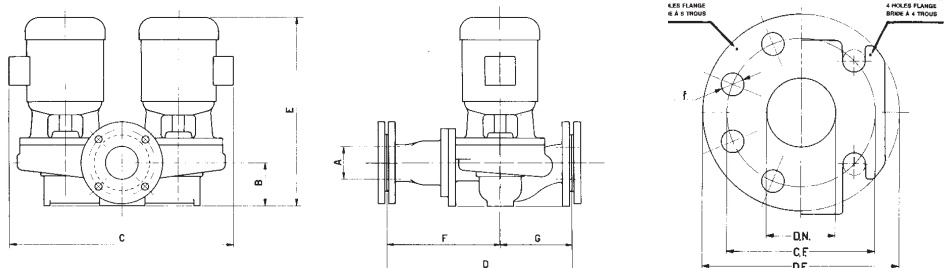
When installing twin-pumps on vertical piping, the check valve must be upwards. In case of horizontal wall piping with motor heads one on top of the other, make sure to drain top motor head on a regular basis. Air must always be purged from mechanical seal.





MOD. T	DN	Potenza Power kW	Corrente Current A	Tensione Voltage Volt	B	C	D	E	F	G	H	I	L	N.°fori Nr. holes	PESO NETTO Kg.
T 40/91	40	0,11	0,5	3*230/400	80	175	210	325	-	-	150	110	18	4	15
T 40/91*	40	0,11	1,5	1*230	80	175	210	325	-	-	150	110	18	4	15
T 40-111	40	0,18	0,7	3*230/400	76	185	240	280	-	-	150	110	18	4	18
T 40-111*	40	0,18	2,03	1*230	76	185	240	280	-	-	150	110	18	4	18
T 40-152	40	0,25	0,8	3*230/400	76	230	280	315	-	-	150	110	18	4	25
T 40-151	40	0,37	1,06	3*230/400	76	230	280	315	-	-	150	110	18	4	25
T 40-253	40	0,75	2	3*230/400	80	320	480	450	-	-	150	110	18	4	50
T 40-252	40	1,5	3,4	3*230/400	80	320	480	450	-	-	150	110	18	4	50
T 40-251	40	1,5	3,4	3*230/400	80	320	480	450	-	-	150	110	18	4	50
T 50-121	50	0,18	0,7	3*230/400	85	190	260	295	-	-	165	125	18	4	23
T 50-121*	50	0,18	2,03	1*230	85	190	260	295	-	-	165	125	18	4	23
T 50-162	50	0,37	1,06	3*230/400	85	250	320	365	-	-	165	125	18	4	33
T 50-161	50	0,55	1,6	3*230/400	85	250	320	365	-	-	165	125	18	4	33
T 60-131	65	0,37	1,06	3*230/400	95	225	290	295	-	-	185	145	18	4	31
T 60-172	65	0,55	1,6	3*230/400	95	265	340	380	-	-	185	145	18	4	45
T 60-171	65	0,75	2	3*230/400	95	265	340	380	-	-	185	145	18	4	45
T 80-173	80	0,55	1,6	3*230/400	105	285	380	395	-	-	200	160	18	4	50
T 80-172	80	0,75	2	3*230/400	105	285	380	395	-	-	200	160	18	4	50
T 80-171	80	1,1	2,7	3*230/400	105	285	380	395	-	-	200	160	18	4	50
T 80-253	80	1,5	3,4	3*230/400	105	335	500	500	-	-	200	160	18	4	92
T 80-252	80	2,2	4,9	3*230/400	105	335	500	500	-	-	200	160	18	4	92
T 80-251	80	3	6,5	3*230/400	105	335	500	500	-	-	200	160	18	4	92
T 100-192	100	1,5	3,4	3*230/400	120	320	465	465	-	-	220	180	18	8	80
T 100-191	100	2,2	4,9	3*230/400	120	320	465	465	-	-	220	180	18	8	80
T 125-213	125	2,2	4,9	3*230/400	140	355	585	585	-	-	250	210	18	8	100
T 125-212	125	3	6,5	3*230/400	140	355	585	585	-	-	250	210	18	8	100
T 125-211	125	4	8,2	3*230/400	140	355	585	585	-	-	250	210	18	8	100

MOD. T...B	DN	Potenza Power kW	Corrente Current A	Tensione Voltage Volt	B	C	D	E	F	G	H	I	L	N.°fori Nr. holes	PESO NETTO Kg.
T60-175B	65	1,5	3,5	3*230/400	110	242	360	425	-	-	185	145	18	4	
T60-215B	80	2,2	5,8	3*230/400	110	156	400	450	-	-	185	145	18	4	
T80-155B	80	1,5	3,5	3*230/400	120	280	450	515	-	-	200	160	18	4	
T80-185B	80	2,2	5,8	3*230/400	120	280	450	530	-	-	200	160	18	4	
T80-215B	80	4	8,9	3*230/400	120	280	450	580	-	-	200	160	18	4	
T80-230B	80	4	8,9	3*230/400	125	203	500	580	-	-	200	160	18	4	
T80-245B	80	5,5	11	3*230/400	125	203	500	595	-	-	200	160	18	4	
T80-260B	80	7,5	15,8	3*230/400	125	203	500	580	-	-	200	160	18	4	
T100-160B	100	1,5	3,5	3*230/400	145	298	500	550	-	-	200	180	18	4	
T100-175B	100	2,2	5,8	3*230/400	145	298	500	560	-	-	200	180	18	4	
T100-200B	100	3	7,7	3*230/400	145	298	500	570	-	-	200	180	18	4	
T100-215B	100	4	8,9	3*230/400	145	319	550	600	-	-	200	180	18	4	
T100-230B	100	5,5	11	3*230/400	145	319	550	630	-	-	200	180	18	4	
T100-245B	100	7,5	15,8	3*230/400	145	319	550	650	-	-	200	180	18	4	
T100-260B	100	9	19	3*230/400	145	319	550	690	-	-	200	180	18	4	
T125-185B	125	3	7,7	3*230/400	160	340	560	650	-	-	250	210	18	8	
T125-200B	125	4	8,9	3*230/400	160	340	560	670	-	-	250	210	18	8	
T125-215B	125	5,5	11	3*230/400	160	340	560	680	-	-	250	210	18	8	
T125-245B	125	7,5	15,8	3*230/400	160	360	600	690	-	-	250	210	18	8	
T125-260B	125	9	19	3*230/400	160	360	600	675	-	-	250	210	18	8	



MOD. TK	DN	Potenza Power kW	Corrente Current A	Tensione Voltage Volt	B	C	D	E	F	G	H	I	L	N.°fori Nr. holes	PESO NETTO Kg.
TK 40-111	40	0,18	0,7	3*230/400	76	360	295	280	180	115	150	110	18	4	32
TK 40-111*	40	0,18	2,03	1*230	76	360	295	280	180	115	150	110	18	4	32
TK 40-152	40	0,25	0,8	3*230/400	76	460	325	315	195	130	150	110	18	4	50
TK 40-151	40	0,37	1,06	3*230/400	76	460	325	315	195	130	150	110	18	4	50
TK 50-121	50	0,18	0,7	3*230/400	85	385	330	295	200	130	165	125	18	4	36
TK 50-121*	50	0,18	0,7	1*230	85	385	330	295	200	130	165	125	18	4	36
TK 50-162	50	0,37	1,06	3*230/400	85	500	360	365	215	145	165	125	18	4	55
TK 50-161	50	0,55	1,6	3*230/400	85	500	360	365	215	145	165	125	18	4	55
TK 60-131	65	0,37	1,06	3*230/400	95	470	365	295	225	140	185	145	18	4	54
TK 60-172	65	0,55	1,6	3*230/400	95	522	390	380	240	159	185	145	18	4	70
TK 60-171	65	0,75	2	3*230/400	95	522	390	380	240	159	185	145	18	4	70
TK 80-173	80	0,55	1,6	3*230/400	105	570	380	415	255	160	200	160	18	4	95
TK 80-172	80	0,75	2	3*230/400	105	570	380	415	255	160	200	160	18	4	95
TK 80-171	80	1,1	2,7	3*230/400	105	570	380	415	255	160	200	160	18	4	95

MOD. TK...B	DN	Potenza Power kW	Corrente Current A	Tensione Voltage Volt	B	C	D	E	F	G	H	I	L	N.°fori Nr. holes	PESO NETTO Kg.
TK50-172B	50	0,55	1,3	3*230/400	85	555	360	397	160	200	165	125	18	4	
TK50-171B	50	0,55	1,3	3*230/400	85	555	360	397	160	200	165	125	18	4	
TK60-175B	65	1,1	2,7	3*230/400	100	637	410	447	180	230	185	145	18	4	
TK60-185B	80	1,5	3,5	3*230/400	100	637	410	447	180	230	200	160	18	4	
TK60-200B	80	2,2	5,8	3*230/400	100	637	410	447	180	230	200	160	18	4	
TK60-215B	80	2,2	5,8	3*230/400	100	637	410	447	180	230	200	160	18	4	
TK80-175B	80	1,5	3,5	3*230/400	105	773	490	522	210	280	200	160	18	4	
TK80-185B	80	2,2	5,8	3*230/400	105	773	490	522	210	280	200	160	18	4	
TK80-200B	80	3	7,7	3*230/400	105	773	490	522	210	280	200	160	18	4	
TK80-215B	80	4	8,9	3*230/400	105	773	490	522	210	280	200	160	18	4	



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