

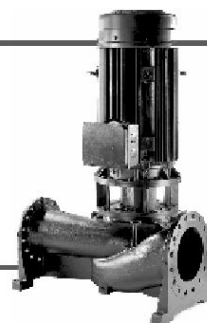


**RAFSTAL**

**POMPY LINIOWE  
STANDARDOWE**

# PT

## Pompy liniowe standardowe



### PRZEZNACZENIE

Pompy liniowe standardowe przeznaczone są do pompowania rzadkich czystych, nieagresywnych i niewybuchowych cieczy, nie zawierających części stałych i włóknistych, które mogą stanowić mechaniczne lub chemiczne zagrożenia dla pompy

Przeznaczone do tłoczenia wody grzewczej (spełniającej wymagania PN-93/C-04607), cieczy chłodzących, różnych cieczy w instalacjach przemysłowych, wody zmiękczonej.

### ZAKRES UŻYTKOWANIA

Wydajność	do 4500 m <sup>3</sup> /h
Wysokość podnoszenia	do 170 m
Ciśnienie robocze	2,5 MPa
Średnica przyłączy	DN25-DN500
Moc silnika	do 630 kW
Temperatura czynnika	-25 do 140°C

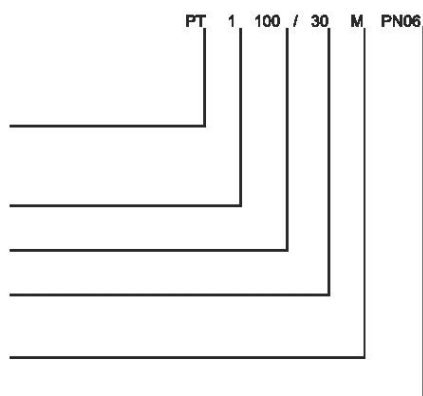
### ZASTOSOWANIE

Pompy liniowe standardowe stosowane w instalacjach ciepłowniczych i grzewczych, w systemach chłodniczych, w instalacjach zaopatrzenia w wodę, procesach technologicznych, w chłodnictwie przemysłowym itp.

### CECHY KONSTRUKCYJNE

- część hydrauliczna
- pompa pionowa jednostopniowa z suchym wirnikiem silnika,
- żeliwny korpus i wirnik pompy,
- konstrukcja in-line, demontowalna do góry,
- uszczelnienie mechaniczne - standardowo BAQE,
- silnik
- jedno lub trójfazowy asynchroniczny,
- chłodzony powietrzem,
- stałobrotowy,
- wał silnika połączony z wałem pompy za pomocą sprzęgła sztywnego,
- obroty 1400 lub 2900 min<sup>-1</sup>,
- stopień ochrony IP55,
- klasa izolacji F.

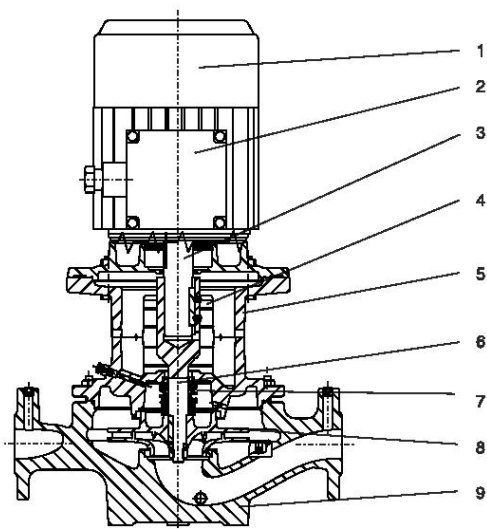
### KLUCZ OZNACZEŃ



### ZALETY

- niskie koszty montażu (prostoliniowy układ rurociągów),
- wydłużony okres żywotności - dzięki wyważonemu hydraulicznie i mechanicznie wirnikowi),
- możliwość współpracy z przetwornicą częstotliwościową,
- elementy pompy (korpus, podstawa pompy pokryte elektrolityczną powłoką antykorozyjną),
- niskie zużycie energii,
- wysoka sprawność silników IE2 i IE3,
- brak konieczności obsługi,
- podwyższony komfort i jakość wykonania.

## BUDOWA

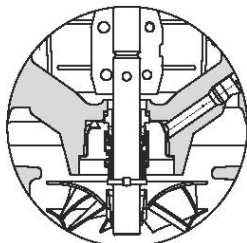


1. Silnik pompy
2. Puszka zaciskowa
3. Wał silnika
4. Sprzęgło sztywne
5. Łącznik
6. Wał pompy
7. Dławnica
8. Wirnik pompy
9. Korpus pompy

## Uszczelnienie

Standardowo w pompach montowane są dławnice BAQE, jednak na specjalne zamówienie lub wyniku specyfikacji tłocznej cieczy montowane są również innego typu uszczelnienia.

Przykładowy rysunek przekrojowy dławnicy typu BAQE



Typ dławnicy	Uszczelnienie wału	Elementy obrotowe	Elementy stałe	Uszczelnienie wtórne
BAQE	B	A	Q	E
AUUE	A	U	U	E
BBQE	B	B	Q	E
BQQE	B	Q	Q	E
BUBE	B	U	B	E
DBUE	D	B	U	E
DQQE	D	Q	Q	E
GQQE	G	Q	Q	E
RUUE	R	U	U	E

Oznaczenia materiałów dławnicy:

Uszczelnienie wału:

- B - uszczelnienie mieszkiem gumowym
- A - uszczelnienie pierścieniem o-ring ze zbierakiem ustalonym
- D - odciążone uszczelnienie pierścieniem o-ring
- G - uszczelnienie mieszkiem gumowym ze zredukowaną powierzchnią uszczelnienia
- R - uszczelnienie odciążone z pierścieniem o-ring

Elementy obrotowe:

- A - węgiel impregnowany antymonem
- B - węgiel impregnowany żywicą syntetyczną
- Q - węgiel krzemu
- U - węgiel wolframu

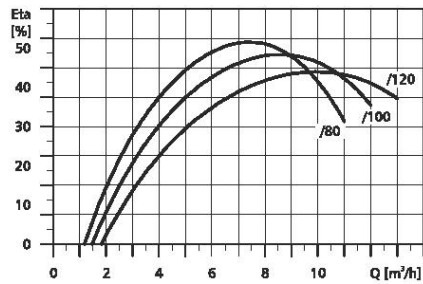
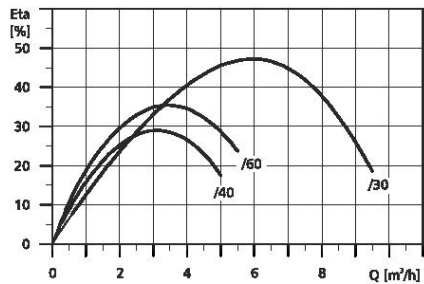
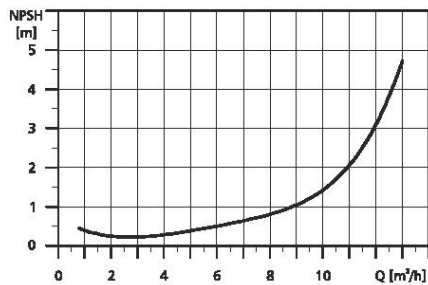
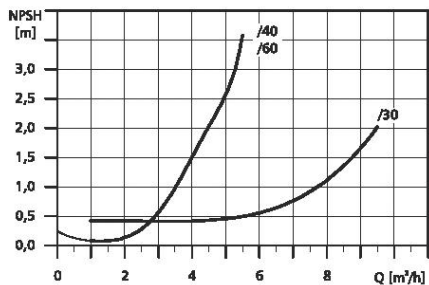
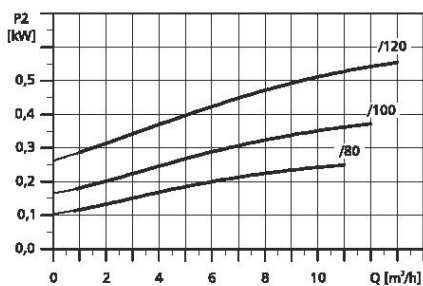
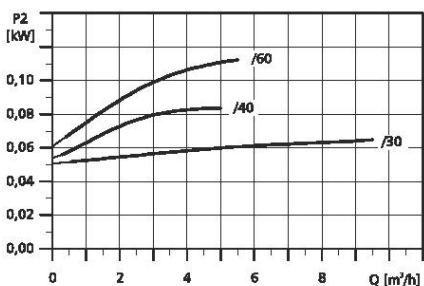
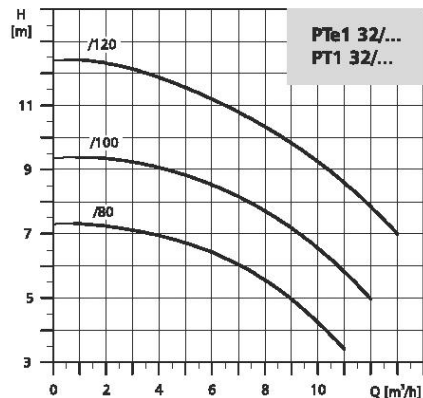
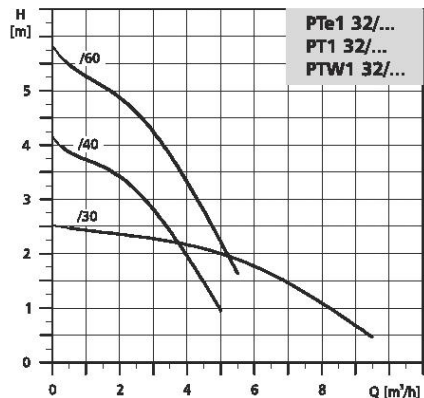
Elementy stałe:

- Q - węgiel krzemu
- B - węgiel impregnowany żywicą syntetyczną
- U - Węgiel wolframu

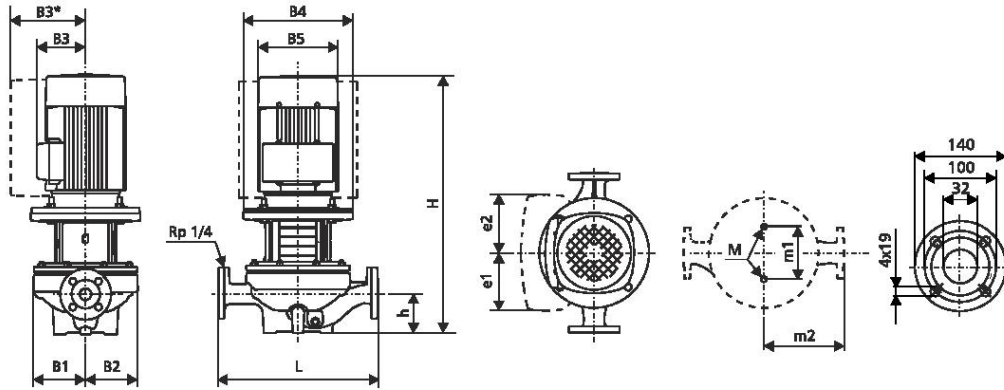
Uszczelnienie wtórne:

- E - EPDM

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 32/30 M	0,12	220	408	68	75	75	140	-	141	105	105	80	110	M12	21	-
PTe1 32/40 M	0,25	280	395	79	100	100	140	105	141	105	105	80	140	M12	29	-
PTe1 32/60 M	0,25	280	395	79	100	100	140	-	141	105	105	80	140	M12	29	-
PTe1 32/80 M	0,25	340	420	100	125	117	140	170	141	105	105	144	170	M16	36	-
PTe1 32/100 M	0,37	340	420	100	125	117	140	170	141	105	105	144	170	M16	37	-
PTe1 32/120 M	0,55	440	487	100	144	144	140	200	141	105	105	144	220	M16	48	-
PTe1 32/120	0,55	440	537	100	144	144	167	200	178	132	132	144	220	M16	48	-
PT1 32/30 M	0,12	220	416	68	75	75	101	-	118	-	-	80	110	M12	15	17
PT1 32/30	0,12	220	390	68	75	75	101	-	118	-	-	80	110	M12	15	17
PT1 32/40 M	0,18	280	395	79	100	100	133	105	141	-	-	80	140	M12	25	28
PT1 32/40	0,25	280	395	79	100	100	133	105	141	-	-	80	140	M12	25	28
PT1 32/60 M	0,18	280	395	79	100	100	133	-	141	-	-	80	140	M12	25	28
PT1 32/60	0,25	280	395	79	100	100	133	-	141	-	-	80	140	M12	25	28
PT1 32/80 M	0,25	340	420	100	125	117	109	170	141	-	-	144	170	M16	35	-
PT1 32/80	0,25	340	420	100	125	117	109	170	141	-	-	144	170	M16	35	-
PT1 32/100 M	0,37	340	420	100	125	117	109	170	141	-	-	144	170	M16	36	-
PT1 32/100	0,37	340	420	100	125	117	109	170	141	-	-	144	170	M16	36	-
PT1 32/120 M	0,55	440	487	100	144	144	109	200	141	-	-	144	220	M16	49	-
PT1 32/120	0,55	440	487	100	144	144	109	200	141	-	-	144	220	M16	49	-

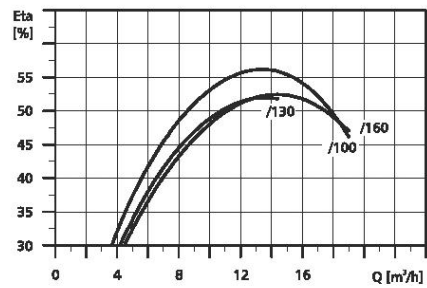
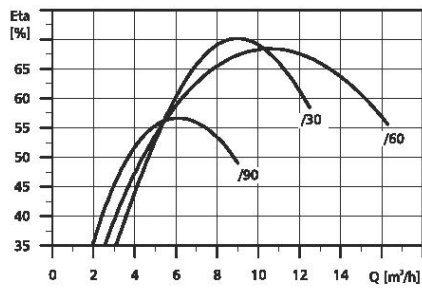
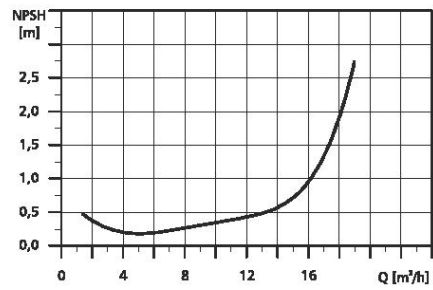
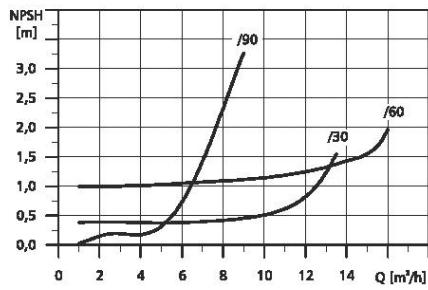
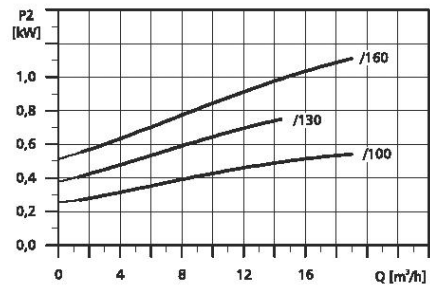
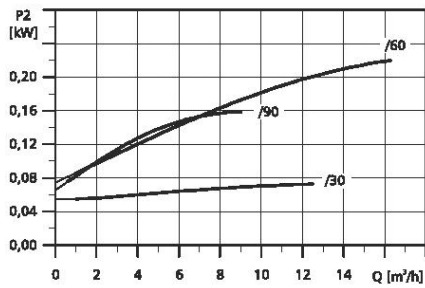
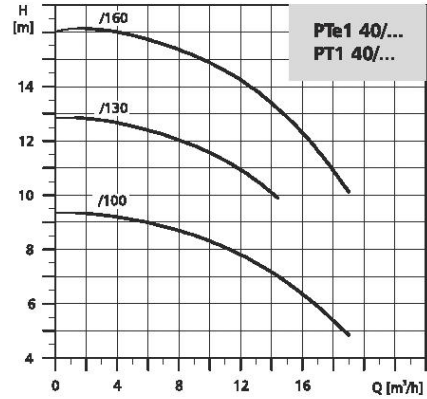
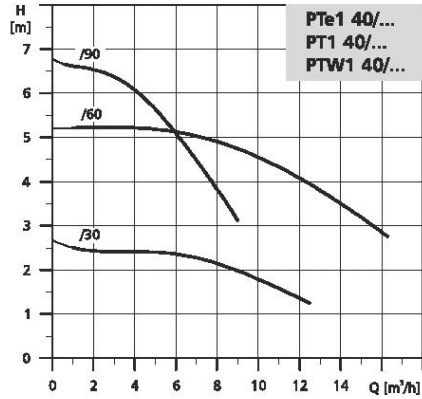
## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,12	1x200-240	1400	2,2-1,9	1x230/240	1400	53,1	0,99	0,99	2,58
0,12	-	-	-	3x230-240/400-415	1400	54	0,67	0,78/0,45	3,2
0,18	-	-	-	1x230/240	1400	54	0,97	1,62	2,0
0,25	1x200-240	1400	3,0-2,5	1x230/240	1400	57	0,97	2,14	2,2
0,25	-	-	-	3x230-240/400-415	1400	69	0,75-0,65	1,48/0,85	4,0-4,4
0,37	1x200-240	1400	3,1-2,6	1x230/240	1400	62	0,97	2,85	2,4
0,37	-	-	-	3x230-240/400-415	1400	71	0,77-0,67	1,9/1,1	4,0-4,4
0,55	1x200-240	1400	4,4-3,6	1x230/240	1400	66	0,97	4	2,6
0,55	3x380-480	1400	1,5-1,6	3x230-240/400-415	1400	77	0,79-0,7	2,6/1,5	4,3-4,7

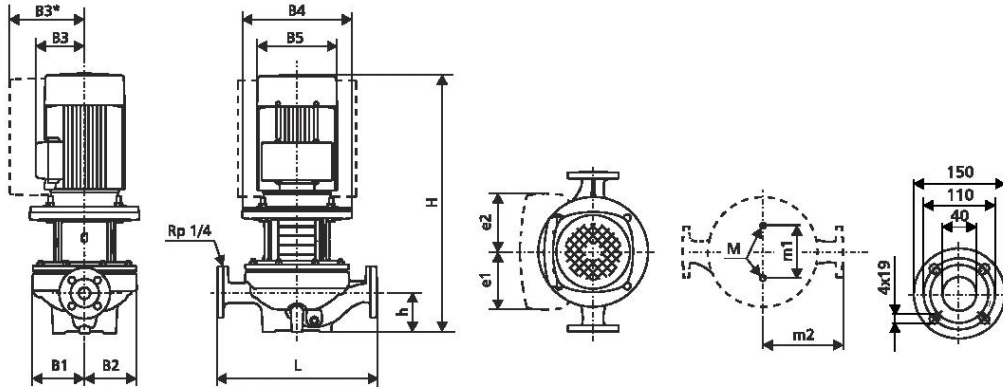
Silniki pomp:

PTe - o regulowanej prędkości obrotowej  
PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 40/30 M	0,12	250	411	67	85	75	140	-	141	105	105	120	125	M12	23	-
PTe1 40/60 M	0,25	250	389	75	100	100	140	-	141	105	105	120	125	M12	27	-
PTe1 40/90 M	0,25	320	388	68	100	100	140	105	141	105	105	120	160	M12	32	-
PTe1 40/100 M	0,55	340	507	100	130	117	140	200	141	105	105	144	170	M16	42	-
PTe1 40/100	0,55	340	547	100	130	117	167	200	178	132	132	144	170	M16	42	-
PTe1 40/130 M	0,75	440	499	110	149	144	140	200	141	105	105	144	220	M16	58	-
PTe1 40/130	0,75	440	549	110	149	144	167	200	178	132	132	144	220	M16	58	-
PTe1 40/160	1,1	440	549	110	149	144	167	200	178	132	132	144	220	M16	64	-
PT1 40/30 M	0,12	250	419	67	85	75	101	-	118	-	-	120	125	M12	17	20
PT1 40/30	0,12	250	393	67	85	75	101	-	118	-	-	120	125	M12	17	20
PT1 40/60 M	0,25	250	389	75	100	100	133	-	141	-	-	120	125	M12	22	25
PT1 40/60	0,25	250	389	75	100	100	109	-	141	-	-	120	125	M12	22	25
PT1 40/90 M	0,18	320	388	68	100	100	133	105	141	-	-	120	160	M12	28	31
PT1 40/90	0,25	320	398	68	100	100	133	105	141	-	-	120	160	M12	28	31
PT1 40/100 M	0,55	340	497	100	130	117	109	200	141	-	-	144	170	M16	41	-
PT1 40/100	0,55	340	497	100	130	117	109	200	141	-	-	144	170	M16	41	-
PT1 40/130 M	0,75	440	549	110	149	144	110	200	178	-	-	144	220	M16	47	-
PT1 40/130	0,75	440	549	110	149	144	110	200	178	-	-	144	220	M16	47	-
PT1 40/160 M	1,1	440	589	110	149	144	110	200	178	-	-	144	220	M16	53	-
PT1 40/160	1,1	440	589	110	149	144	110	200	178	-	-	144	220	M16	53	-

## DANE ELEKTRYCZNE

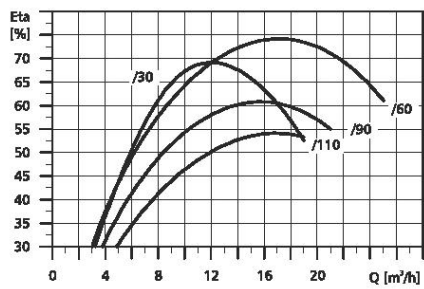
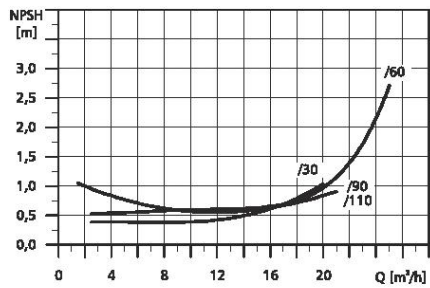
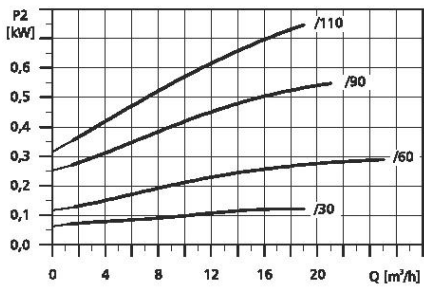
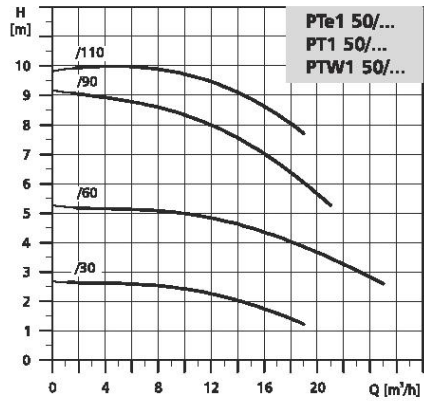
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,12	1x200-240	1400	2,2-1,9	1x230/240	1400	53,1	0,99	0,99	2,58
0,12	-	-	-	3x230-240/400-415	1400	54	0,67	0,78/0,45	3,2
0,18	-	-	-	1x230/240	1400	54	0,97	1,62	2,0
0,25	1x200-240	1400	3,0-2,5	1x230/240	1400	57	0,97	2,14	2,2
0,25	-	-	-	3x230-240/400-415	1400	69	0,75-0,65	1,48/0,85	4,0-4,4
0,55	1x200-240	1400	4,0-3,6	1x230/240	1400	66	0,97	4	2,6
0,55	3x380-480	1400	1,5-1,6	3x230-240/400-415	1400	77	0,79-0,7	2,6/1,5	4,3-4,7
0,75	1x200-240	1400	5,3-4,85	1x230/240	1400	71	0,96	5,45	3,2
0,75	3x380-480	1400	1,8-1,9	3x230-240/400-415	1400	82,5	0,76-0,71	3,3/1,9	6,6-1,2
1,1	-	-	-	1x230/240	1400	75	0,96	7	3,9
1,1	3x380-480	1400	2,5-2,2	3x230-240/400-415	1400	84,1	0,71-0,64	4,85/2,0	8,2-9,0

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

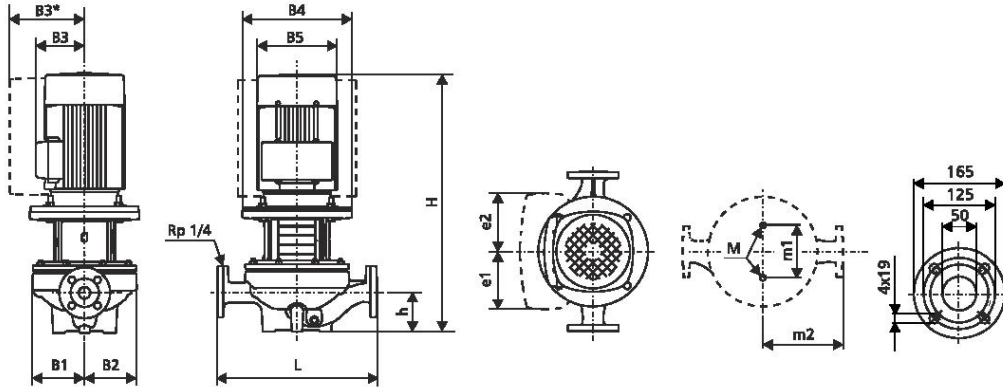
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 50/30 M	0,25	280	408	82	75	90	140	-	141	105	105	120	140	M12	30	-
PTe1 50/60 M	0,37	280	400	82	110	100	140	-	141	105	105	120	140	M12	28	-
PTe1 50/90 M	0,55	340	507	115	133	119	140	200	141	105	105	144	170	M16	44	-
PTe1 50/90	0,55	340	557	115	133	119	167	200	178	132	132	144	170	M16	44	-
PTe1 50/110 M	0,75	440	513	115	180	164	140	200	141	105	105	144	220	M16	66	-
PTe1 50/110	0,75	440	563	115	180	164	167	200	178	132	132	144	220	M16	66	-
PT1 50/30 M	0,18	280	408	82	75	90	133	-	141	-	-	120	140	M12	24	27
PT1 50/30	0,25	280	416	82	75	90	133	-	141	-	-	120	140	M12	24	27
PT1 50/60 M	0,37	280	452	82	110	100	133	-	141	-	-	120	140	M12	25	28
PT1 50/60	0,37	280	400	82	110	100	109	-	141	-	-	120	140	M12	25	28
PT1 50/90 M	0,55	340	507	115	133	119	109	200	141	-	-	144	170	M16	43	-
PT1 50/90	0,55	340	507	115	133	119	109	200	141	-	-	144	170	M16	43	-
PT1 50/110 M	0,75	440	553	115	180	164	110	200	178	-	-	144	220	M16	55	-
PT1 50/110	0,75	440	553	115	180	164	110	200	178	-	-	144	220	M16	55	-

## DANE ELEKTRYCZNE

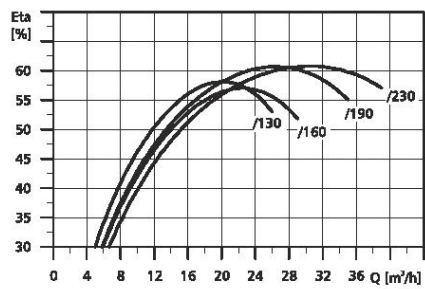
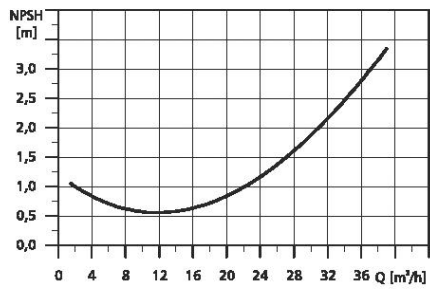
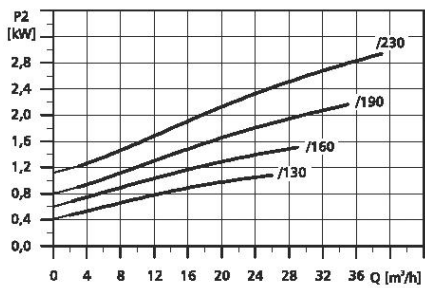
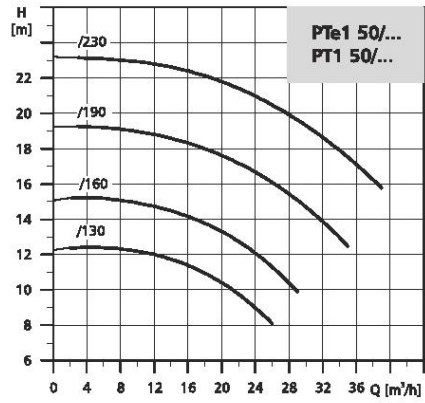
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,18	-	-	-	1x230/240	1400	54	0,97	1,62	2,0
0,25	1x200-240	1400	3,0-2,5	-	-	-	-	-	-
0,25	-	-	-	3x230-240/400-415	1400	69	0,75-0,65	1,48/0,85	4,0-4,4
0,37	1x200-240	1400	3,1-2,6	1x230/240	1400	62	0,97	2,85	2,4
0,37	-	-	-	3x230-240/400-415	1400	71	0,77-0,67	1,9/1,1	4,0-4,4
0,55	1x200-240	1400	4,0-3,6	1x230/240	1400	66	0,97	4	2,6
0,55	3x380-480	1400	1,5-1,6	3x230-240/400-415	1400	77	0,79-0,7	2,6/1,5	4,3-4,7
0,75	1x200-240	1400	5,3-4,85	1x230/240	1400	71	0,96	5,45	3,2
0,75	3x380-480	1400	1,8-1,9	3x230/240/400-415	1400	82,5	0,76-0,71	3,3/1,9	6,6-1,2

Silniki pomp:

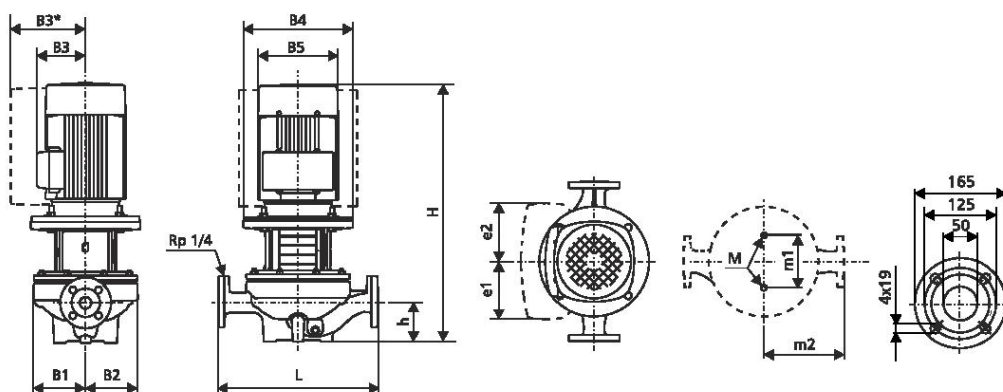
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 50/130	1,1	440	563	115	180	164	167	200	178	132	132	144	220	M16	72
PTe1 50/160	1,5	440	603	115	180	164	167	200	178	132	132	144	220	M16	73
PTe1 50/190	2,2	440	645	115	180	164	177	250	198	132	132	144	220	M16	83
PTe1 50/230	3,0	440	645	115	180	164	177	250	198	132	132	144	220	M16	80
PT1 50/130 M	1,1	440	603	115	180	164	110	200	178	-	-	144	220	M16	61
PT1 50/130	1,1	440	603	115	180	164	110	200	178	-	-	144	220	M16	61
PT1 50/160 M	1,5	440	603	115	180	164	110	200	178	-	-	144	220	M16	64
PT1 50/160	1,5	440	603	115	180	164	110	200	178	-	-	144	220	M16	64
PT1 50/190	2,2	440	645	115	180	164	120	250	198	-	-	144	220	M16	69
PT1 50/230	3,0	440	645	115	180	164	120	250	198	-	-	144	220	M16	80

## DANE ELEKTRYCZNE

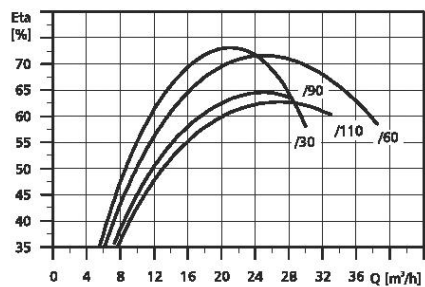
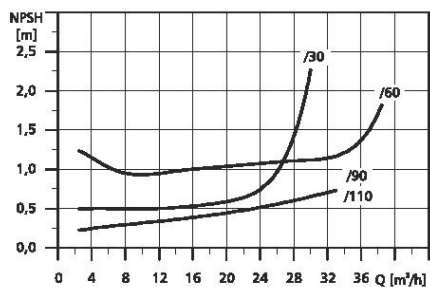
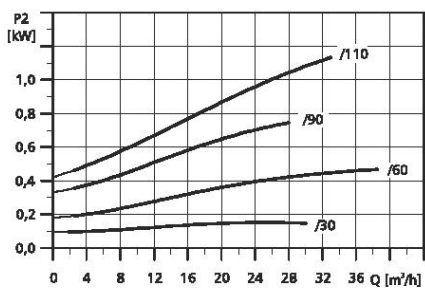
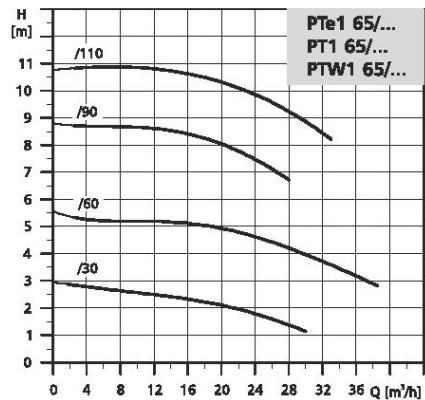
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
1,1	-	-	-	1x230/240	1400	75	0,95	7	3,9
1,1	3x380-480	1400	2,5-2,2	3x230-240/400-415	1400	84,1	0,71-0,64	4,85/2,0	8,2-9,0
1,5	-	-	-	1x230/240	1400	74	0,97	9,9	4,7
1,5	3x380-480	1400	3,3-2,9	3x230-240/400-415	1400	85,3	0,75-0,68	6,15-6,3/3,55-3,65	7,3-7,9
2,2	3x380-480	1400	4,6-3,8	3x230-240/400-415	1400	86,7	0,79-0,73	8,5/4,5	6,0-6,6
3,0	3x380-480	1400	6,2-5,0	3x230-240/400-415	1400	87,7	0,82-0,76	11,0-6,3	7,0-7,7

Silniki pomp:

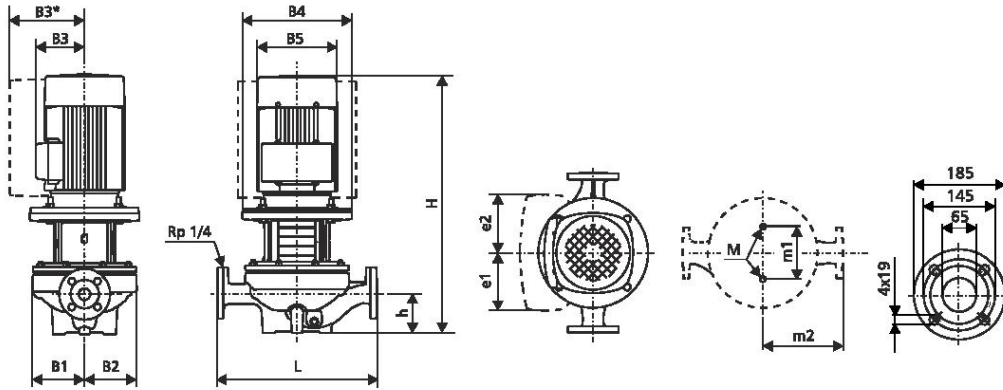
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 65/30 M	0,25	340	423	97	125	100	140	-	141	105	105	160	170	M16	37	-
PTe1 65/60 M	0,55	340	475	97	125	100	140	-	141	105	105	160	170	M16	36	-
PTe1 65/60	0,55	340	525	97	125	100	167	-	178	132	132	160	170	M16	36	-
PTe1 65/90 M	0,75	360	508	105	142	124	140	200	141	105	105	144	180	M16	57	-
PTe1 65/90	0,75	360	558	105	142	124	167	200	178	105	105	144	180	M16	57	-
PTe1 65/110	1,1	475	572	125	178	164	167	200	178	132	132	144	238	M16	74	-
PT1 65/30 M	0,25	340	423	97	100	125	133	-	141	-	-	160	170	M16	33	37
PT1 65/30	0,25	340	423	97	100	125	109	-	141	-	-	160	170	M16	33	37
PT1 65/60 M	0,55	340	475	97	100	125	133	-	141	-	-	160	170	M16	33	37
PT1 65/60	0,55	340	475	97	100	125	109	-	141	-	-	160	170	M16	33	37
PT1 65/90 M	0,75	360	508	105	142	124	109	200	141	-	-	144	180	M16	46	-
PT1 65/90	0,75	360	508	105	142	124	109	200	178	-	-	144	180	M16	46	-
PT1 65/110 M	1,1	475	587	125	178	164	170	200	200	-	-	144	238	M16	63	-
PT1 65/110	1,1	475	572	125	178	164	170	200	200	-	-	144	238	M16	63	-

## DANE ELEKTRYCZNE

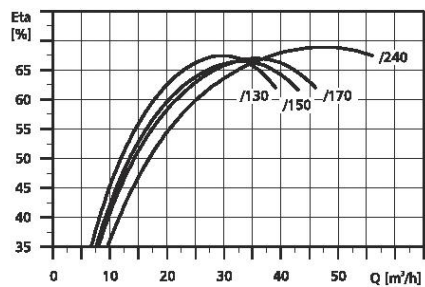
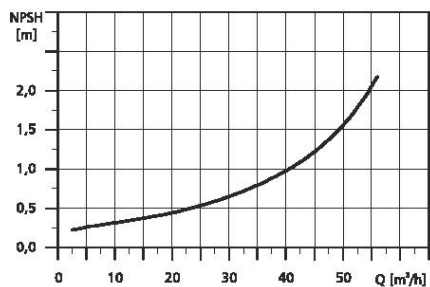
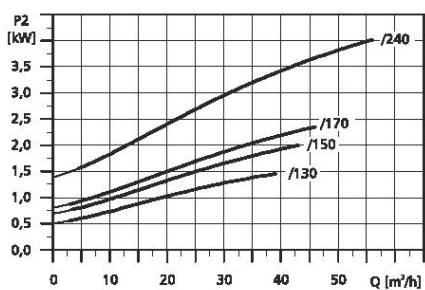
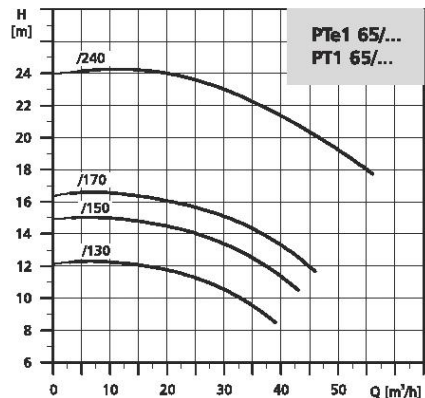
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
0,25	1x200-240	1400	3,0-2,5	1x230/240	1400	57	0,97	2,14	2,2
0,25	-	-	-	3x230-240/400-415	1400	69	0,75-0,65	1,48/0,85	4,0-4,4
0,55	1x200-240	1400	4,0-3,6	1x230/240	1400	66	0,97	4	2,6
0,55	3x380-480	1400	11-9,0	3x230-240/400-415	1400	77	0,79-0,7	2,6/1,5	4,3-4,7
0,75	1x200-240	1400	5,3-4,85	1x230/240	1400	71	0,96	5,45	3,2
0,75	3x380-480	1400	15,0-12,0	3x230-240/400-415	1400	82,5	0,76-0,71	3,3/1,9	6,6-1,2
1,1	-	-	-	1x230/240	1400	75	0,96	7	3,9
1,1	3x380-480	1400	2,5-2,2	3x230-240/400-415	1400	84,1	0,71-0,64	4,85/2,0	8,2-9,0

Silniki pomp:

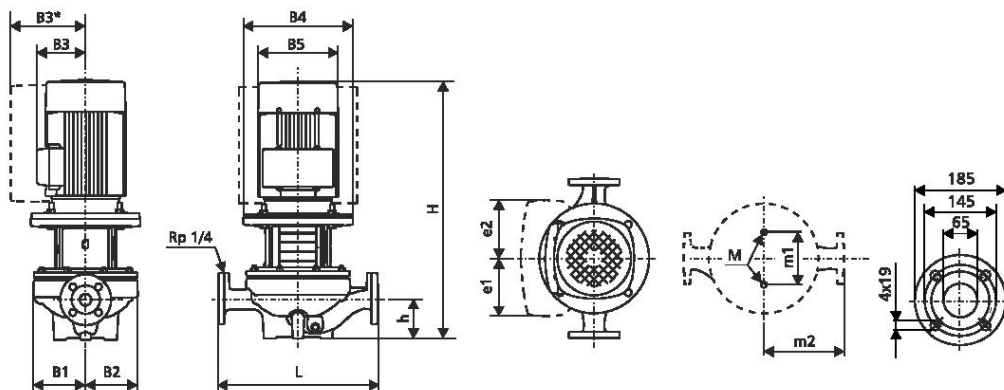
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 65/130	1,5	475	612	125	178	164	167	200	178	132	132	144	238	M16	75
PTe1 65/150	2,2	475	654	125	178	164	177	250	198	132	132	144	238	M16	84
PTe1 65/170	3,0	475	654	125	178	164	177	250	198	132	132	144	238	M16	81
PTe1 65/240	4,0	475	691	125	178	164	188	250	220	145	145	144	238	M16	101
PT1 65/130 M	1,5	475	612	125	178	178	170	200	200	-	-	144	238	M16	65
PT1 65/130	1,5	475	612	125	178	178	148	200	178	-	-	144	238	M16	65
PT1 65/150	2,2	475	654	125	178	164	171	250	198	-	-	144	238	M16	70
PT1 65/170	3,0	475	654	125	178	164	171	250	198	-	-	144	238	M16	81
PT1 65/240	4,0	475	691	125	178	164	134	250	220	-	-	144	238	M16	80

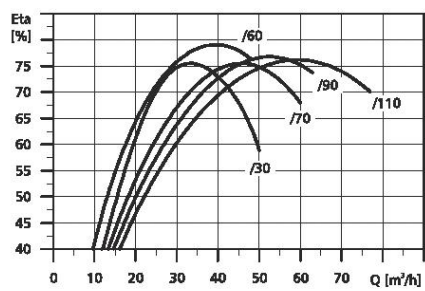
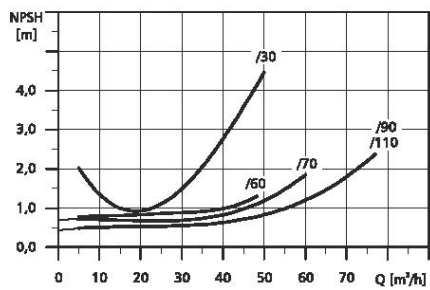
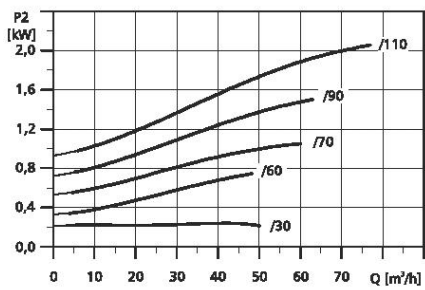
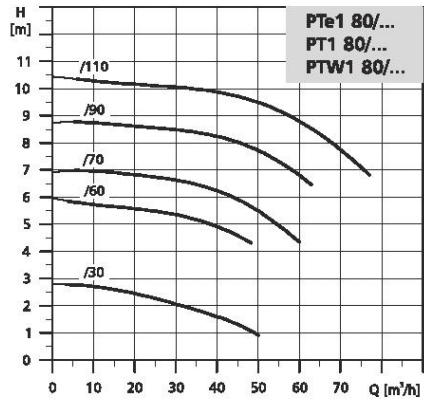
## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
1,5	-	-	-	1x230/240	1400	74	0,97	-	4,7
1,5	3x380-480	1400	3,3-2,9	3x230-240/400-415	1400	85,3	0,75-0,68	6,15-6,3/3,55-3,65	7,3-7,9
2,2	3x380-480	1400	4,6-3,8	3x230-240/400-415	1400	86,7	0,79-0,73	8,5/4,5	6,0-6,6
3,0	3x380-480	1400	6,2-5,0	3x230-240/400-415	1400	87,7	0,82-0,76	11,0/6,3	7,0-7,7
4,0	3x380-480	1400	8,1-6,6	3x230-240/400-415	1400	88,6	0,75-0,68	16,2/9,3	7,9-8,7

Silniki pomp:

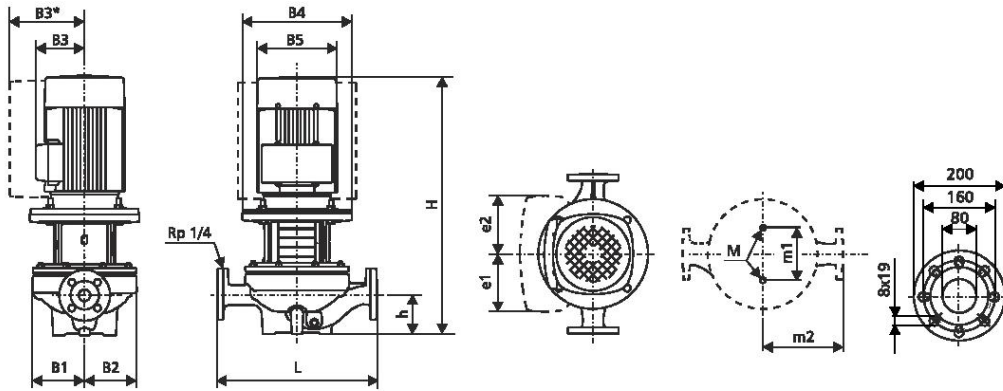
PTe - o regulowanej prędkości obrotowej  
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 80/30 M PN6	0,37	360	461	107	130	100	140	-	141	105	105	160	180	M16	41	-
PTe1 80/30 M PN10	0,37	360	461	107	130	100	140	-	141	105	105	160	180	M16	41	-
PTe1 80/60 M PN6	0,75	360	491	107	135	100	140	-	141	105	105	160	180	M16	50	-
PTe1 80/60 M PN10	0,75	360	491	107	135	100	140	-	141	105	105	160	180	M16	50	-
PTe1 80/60 PN6	0,75	360	541	107	135	100	167	-	178	132	132	160	180	M16	50	-
PTe1 80/60 PN10	0,75	360	541	107	135	100	167	-	178	132	132	160	180	M16	50	-
PTe1 80/70	1,1	440	572	115	176	144	167	200	178	132	132	144	220	M16	74	-
PTe1 80/90	1,5	440	612	115	176	144	167	200	178	132	132	144	220	M16	75	-
PTe1 80/110	2,2	440	654	115	176	144	177	250	198	132	132	144	220	M16	84	-
PT1 80/30 M PN6	0,37	360	513	107	130	100	133	-	142	-	-	160	180	M16	37	41
PT1 80/30 M PN10	0,37	360	513	107	130	100	133	-	142	-	-	160	180	M16	37	41
PT1 80/30 PN6	0,37	360	461	107	130	100	109	-	141	-	-	160	180	M16	37	41
PT1 80/30 PN10	0,37	360	461	107	130	100	109	-	141	-	-	160	180	M16	37	41
PT1 80/60 M PN6	0,75	360	551	107	135	100	139	-	178	-	-	160	180	M16	37	41
PT1 80/60 M PN10	0,75	360	551	107	135	100	139	-	178	-	-	160	180	M16	37	41
PT1 80/60 PN6	0,75	360	541	107	135	100	110	-	178	-	-	160	180	M16	37	41
PT1 80/60 PN10	0,75	360	541	107	135	100	110	-	178	-	-	160	180	M16	37	41
PT1 80/70 M	1,1	440	612	115	176	144	110	200	178	-	-	144	220	M16	67	-
PT1 80/70	1,1	440	612	115	176	144	110	200	178	-	-	144	220	M16	67	-
PT1 80/90 M	1,5	440	612	115	176	144	110	200	178	-	-	144	220	M16	70	-
PT1 80/90	1,5	440	612	115	176	144	110	200	178	-	-	144	220	M16	70	-
PT1 80/110	2,2	440	654	115	176	144	120	250	198	-	-	144	220	M16	73	-

## DANE ELEKTRYCZNE

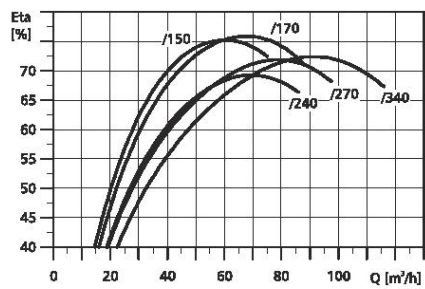
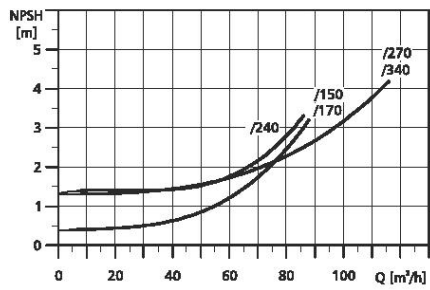
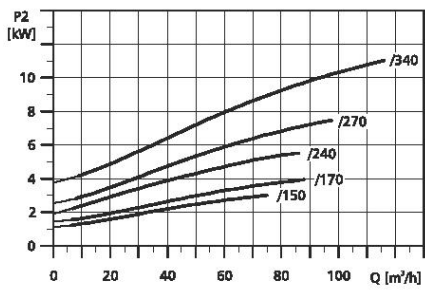
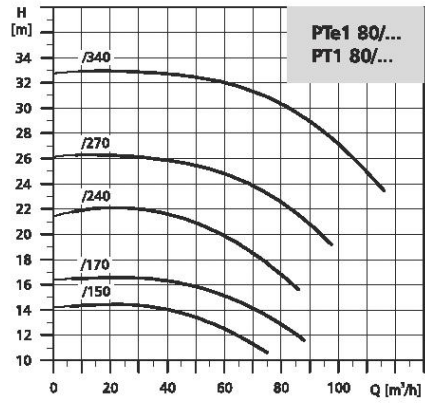
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,37	1x200-240	1400	3,1-2,6	1x230/240	1400	62	0,97	2,85	2,4
0,37	-	-	-	3x230-240/400-415	1400	71	0,77-0,67	1,9/1,1	4,0-4,4
0,75	1x200-240	1400	5,3-4,85	1x230/240	1400	71	0,96	5,45	3,2
0,75	3x380-480	1400	1,8-1,9	3x230-240/400-415	1400	82,5	0,76-0,71	3,3/1,9	6,6-1,2
1,1	-	-	-	1x230/240	1400	75	0,96	7	3,9
1,1	3x380-480	1400	2,5-2,2	3x230-240/400-415	1400	84,1	0,71-0,64	4,85/2,0	8,2-9,0
1,5	-	-	-	1x230/240	1400	74	0,97	9,9	4,7
1,5	3x380-480	1400	3,3-2,9	3x230-240/400-415	1400	85,3	0,75-0,68	6,15-6,3/3,55-3,65	7,3-7,9
2,2	3x380-480	1400	4,6-3,8	3x230-240/400-415	1400	86,7	0,79-0,73	8,5/4,5	6,0-6,6

Silniki pomp:

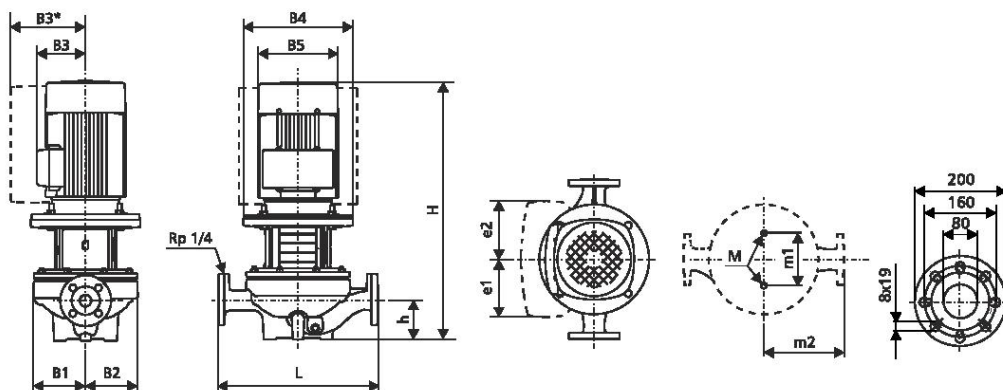
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 80/150	3,0	500	654	115	187	162	177	250	198	132	132	144	250	M16	87
PTe1 80/170	4,0	500	691	115	187	162	188	250	220	145	145	144	250	M16	106
PTe1 80/240	5,5	620	792	140	243	226	213	300	260	145	145	230	310	M16	180
PTe1 80/270	7,5	620	872	140	243	226	213	300	260	145	145	230	310	M16	205
PTe1 80/340	11,0	620	914	140	243	226	308	350	314	210	210	230	310	M16	233
PT1 80/150	3,0	500	654	115	187	162	120	250	198	-	-	144	250	M16	88
PT1 80/170	4,0	500	691	115	187	162	134	250	220	-	-	144	250	M16	101
PT1 80/240	5,5	620	792	140	243	226	159	300	260	-	-	230	310	M16	194
PT1 80/270	7,5	620	842	140	243	226	159	300	260	-	-	230	310	M16	205
PT1 80/340	11,0	620	914	140	243	226	204	350	314	-	-	230	310	M16	239

## DANE ELEKTRYCZNE

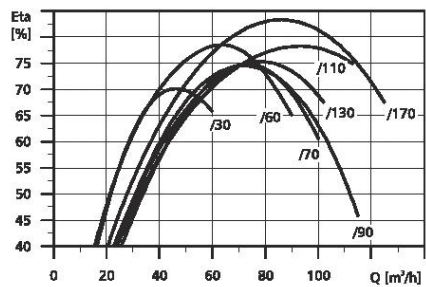
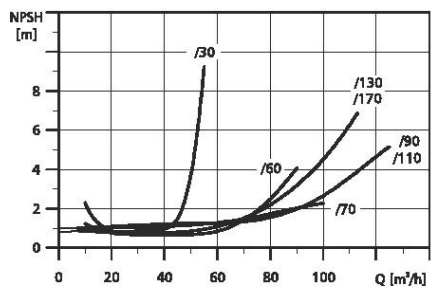
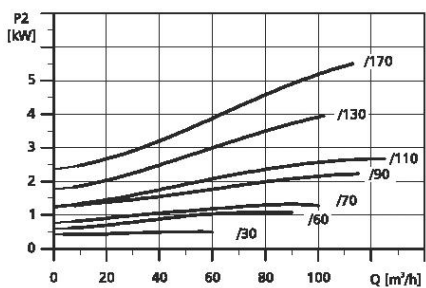
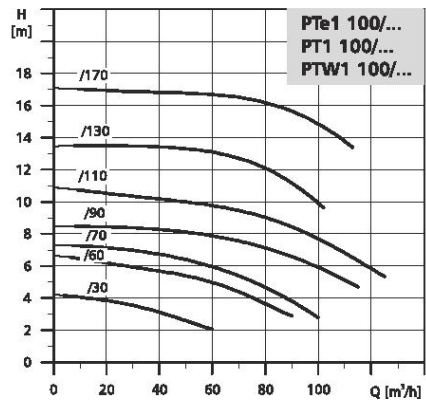
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
3,0	3x380-480	1400	6,2-5,0	3x230-240/400-415	1400	87,7	0,82-0,76	11,0/6,3	7,0-7,7
4,0	3x380-480	1400	8,1-6,6	3x230-240/400-415	1400	88,6	0,75-0,68	16,2/9,3	7,9-8,7
5,5	3x380-480	1400	11-9,0	3x230-240/400-415	1400	89,6	0,86-0,80	11,0-11,0/6,35-6,35	7,0-7,6
7,5	3x380-480	1400	15,0-12,0	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-14,2/8,6-8,4	6,8-7,8
11,0	3x380-480	1400	22,0-17,8	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1

Silniki pomp:

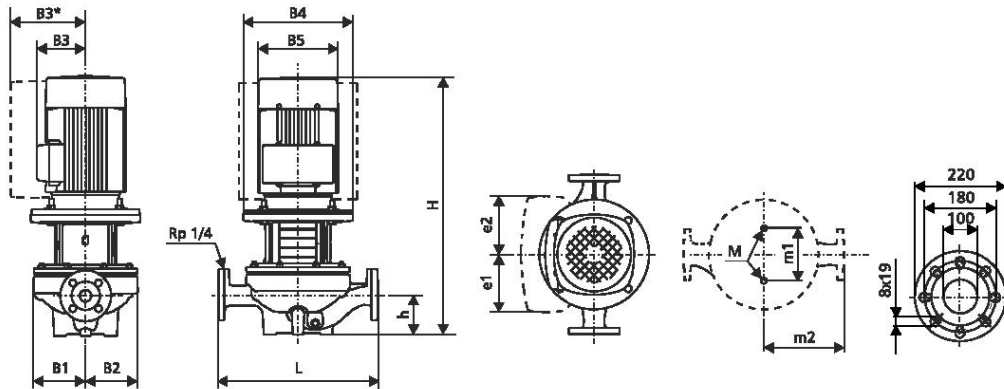
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe1 100/30 M PN6	0,55	450	525	122	175	125	140	-	141	105	105	200	225	M16	43	43
PTe1 100/30 M PN10	0,55	450	525	122	175	125	140	-	141	105	105	200	225	M16	43	43
PTe1 100/30 PN6	0,55	450	575	122	175	125	167	-	178	132	132	200	225	M16	43	43
PTe1 100/30 PN10	0,55	450	575	122	175	125	167	-	178	132	132	200	225	M16	43	43
PTe1 100/60 PN6	1,1	450	585	122	175	125	167	-	178	132	132	200	225	M16	63	63
PTe1 100/60 PN10	1,1	450	585	122	190	125	167	-	178	132	132	200	225	M16	63	63
PTe1 100/70	1,5	550	634	140	190	151	167	200	178	132	132	230	250	M16	100	100
PTe1 100/90	2,2	550	676	140	190	151	177	200	198	132	132	230	275	M16	109	-
PTe1 100/110	3,0	550	676	140	190	151	177	200	198	132	132	230	275	M16	106	-
PTe1 100/130	4,0	550	773	140	201	173	188	250	220	145	145	230	275	M16	144	-
PTe1 100/170	5,5	550	796	140	201	173	213	300	260	145	145	230	275	M16	155	-
PT1 100/30 M PN6	0,55	450	525	122	175	125	133	-	141	-	-	200	225	M16	41	45
PT1 100/30 M PN10	0,55	450	525	122	175	125	133	-	141	-	-	200	225	M16	41	45
PT1 100/30 PN6	0,55	450	525	122	175	125	109	-	141	-	-	200	225	M16	41	45
PT1 100/30 PN10	0,55	450	525	122	175	125	109	-	141	-	-	200	225	M16	41	45
PT1 100/60 M PN6	1,1	450	625	122	175	125	139	-	178	-	-	200	225	M16	52	58
PT1 100/60 M PN10	1,1	450	625	122	175	125	139	-	178	-	-	200	225	M16	52	58
PT1 100/60 PN6	1,1	450	625	122	175	125	110	-	178	-	-	200	225	M16	52	58
PT1 100/60 PN10	1,1	450	625	122	175	125	110	-	178	-	-	200	225	M16	52	58
PT1 100/70 M	1,5	550	634	140	190	151	110	200	178	-	-	230	250	M16	95	-
PT1 100/70	1,5	550	634	140	190	151	110	200	178	-	-	230	250	M16	95	-
PT1 100/90	2,2	550	676	140	190	173	120	200	198	-	-	230	275	M16	97	-
PT1 100/110	3,0	550	676	140	190	173	120	200	198	-	-	230	275	M16	107	-
PT1 100/130	4,0	550	773	140	201	173	134	250	220	-	-	230	275	M16	139	-
PT1 100/170	5,5	550	796	140	201	173	159	300	260	-	-	230	275	M16	168	-

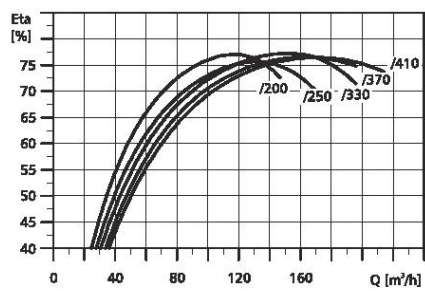
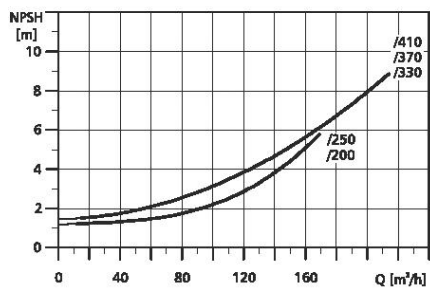
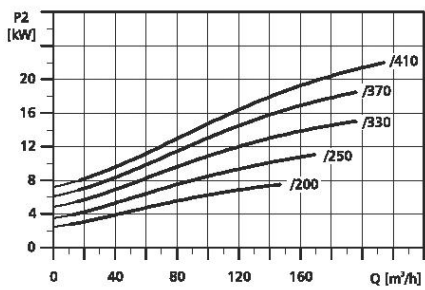
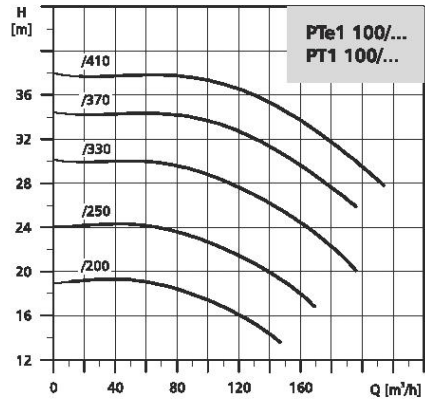
## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,55	1x200-240	1400	4,0-3,6	1x230/240	1400	66	0,97	4	2,6
0,55	3x380-480	1400	1,5-1,6	3x230-240/400-415	1400	77	0,77-0,67	2,6/1,5	4,3-4,7
1,1	-	-	-	1x230/240	1400	75	0,96	7	3,9
1,1	3x380-480	1400	2,5-2,2	3x230-240/400-415	1400	84,1	0,71-0,64	4,85/2,0	8,2-9,0
1,5	-	-	-	1x230/240	1400	74	0,97	9,9	4,7
1,5	3x380-480	1400	3,3-2,9	3x230-240/400-415	1400	85,3	0,75-0,68	6,15-6,3/3,55-3,65	7,3-7,9
2,2	3x380-480	1400	4,6-3,8	3x230-240/400-415	1400	86,7	0,79-0,73	8,5/4,5	6,0-6,6
3,0	3x380-480	1400	6,2-5,0	3x230-240/400-415	1400	87,7	0,82-0,76	11,0/6,3	7,0-7,7
4,0	3x380-480	1400	8,1-6,6	3x230-240/400-415	1400	88,6	0,75-0,68	16,2/9,3	7,9-8,7
5,5	3x380-480	1400	11-9,0	3x230-240/400-415	1400	89,6	0,86-0,80	11,0-11,0/6,35-6,35	7,0-7,6

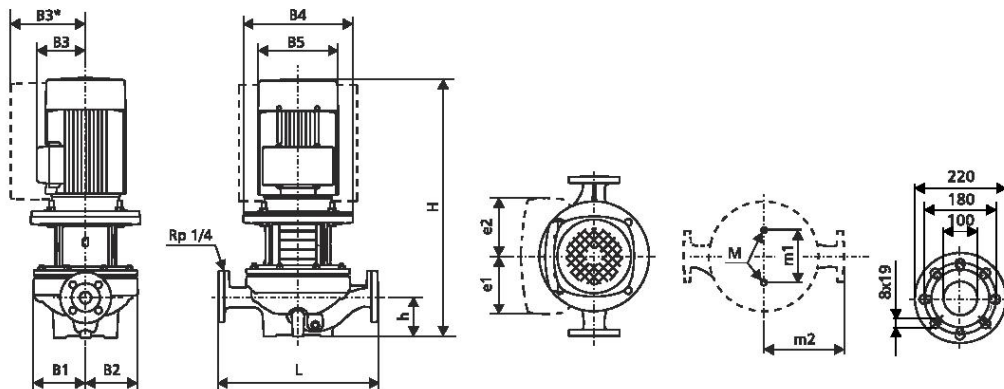
Silniki pomp:

PTe - o regulowanej prędkości obrotowej  
PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 100/200	7,5	670	888	175	290	249	213	300	260	145	145	230	335	M16	240
PTe1 100/250	11,0	670	954	175	290	249	308	350	314	210	210	230	335	M16	268
PTe1 100/330	15,0	670	998	175	290	249	308	350	314	210	210	230	335	M16	291
PTe1 100/370	18,5	670	1024	175	290	249	308	350	314	210	210	230	335	M16	330
PT1 100/200	7,5	670	858	175	290	249	159	300	260	-	-	230	335	M16	239
PT1 100/250	11,0	670	954	175	290	249	204	350	314	-	-	230	335	M16	274
PT1 100/330	15,0	670	1028	175	290	249	204	350	314	-	-	230	335	M16	285
PT1 100/370	18,5	670	1042	175	290	249	262	350	363	-	-	230	335	M16	331
PT1 100/410	22,0	670	1093	175	290	249	262	350	363	-	-	230	335	M16	346

## DANE ELEKTRYCZNE

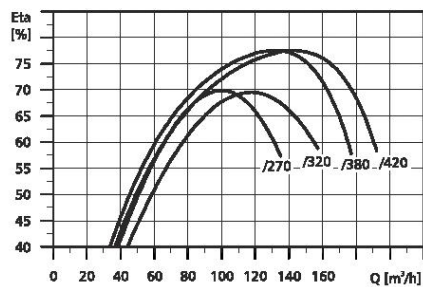
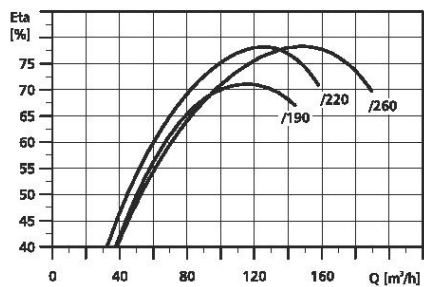
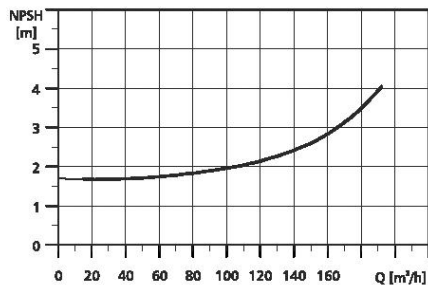
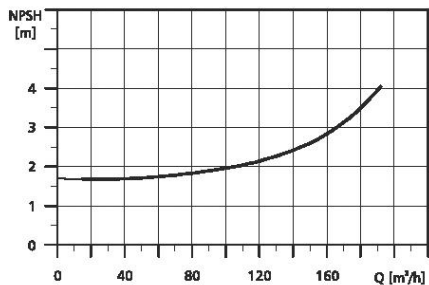
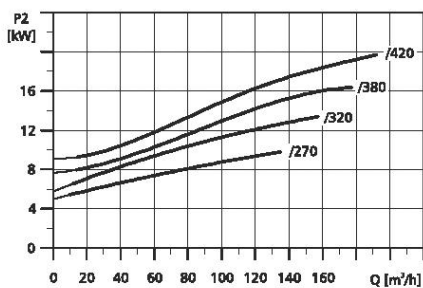
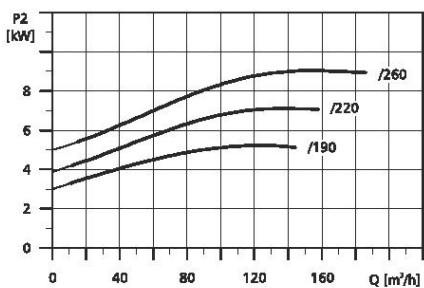
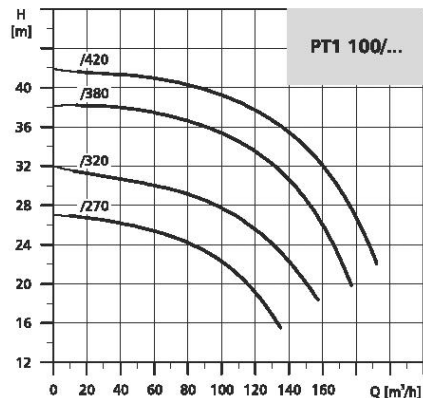
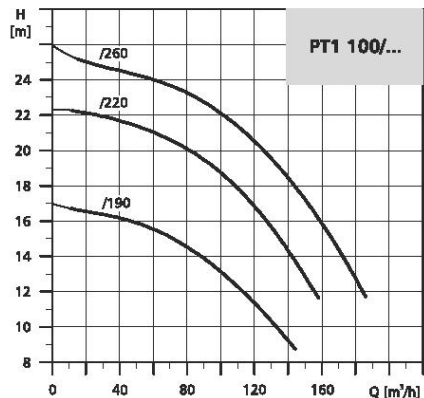
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
7,5	3x380-480	1400	15,0-12,0	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-11,2/8,6-8,4	6,8-7,8
11,0	3x380-480	1400	22,0-17,8	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1
15,0	3x380-480	1400	30,0-25,4	3x400-415/660-690	1400	92,1	0,86-0,82	29,0-28,0/16,8-16,4	7,6-8,7
18,5	3x380-480	1400	37,0-30,0	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

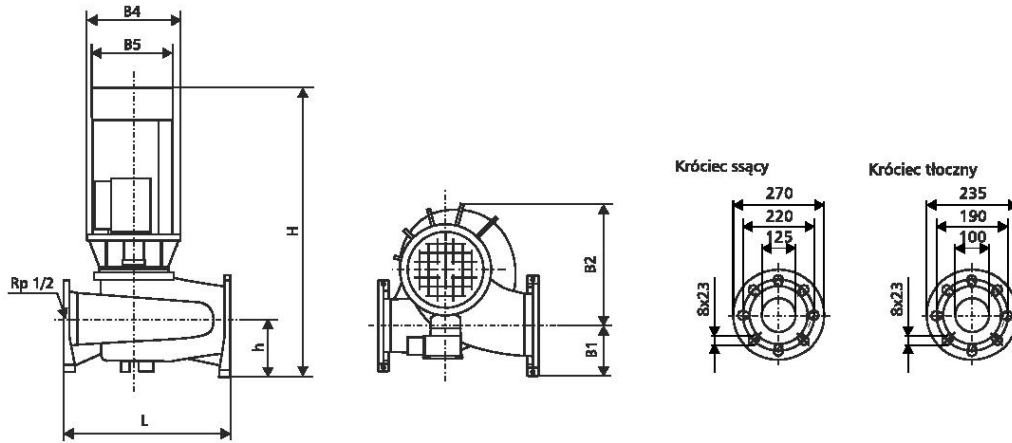
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 100/190	5,5	543	824	160	180	407	-	400	260	-	-	-	-	M16	227
PT1 100/220	7,5	543	874	160	180	407	-	400	260	-	-	-	-	M16	255
PT1 100/260	11,0	543	916	160	180	407	-	400	314	-	-	-	-	M16	241
PT1 100/270	11,0	660	911	170	180	425	-	450	314	-	-	-	-	M16	325
PT1 100/320	15,0	660	985	170	180	425	-	450	314	-	-	-	-	M16	344
PT1 100/380	18,5	660	1042	170	180	425	-	450	363	-	-	-	-	M16	351
PT1 100/420	22,0	660	1050	170	180	425	-	450	363	-	-	-	-	M16	405

## DANE ELEKTRYCZNE

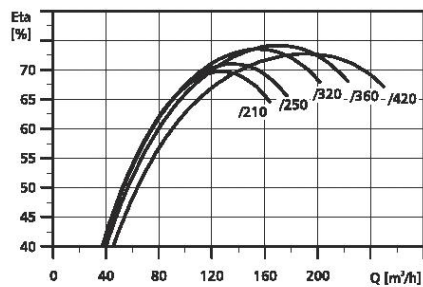
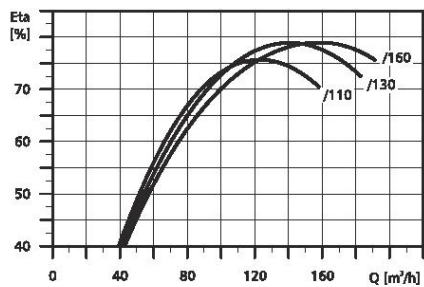
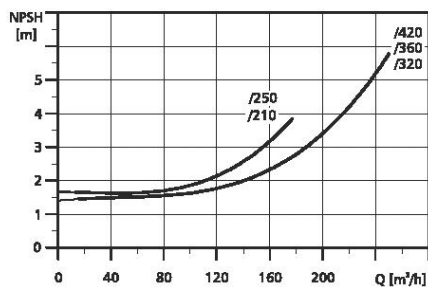
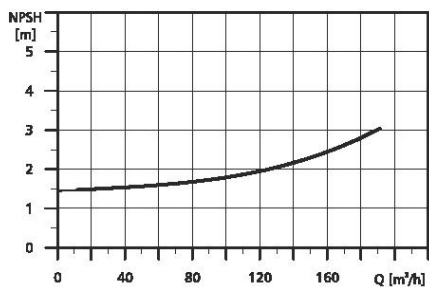
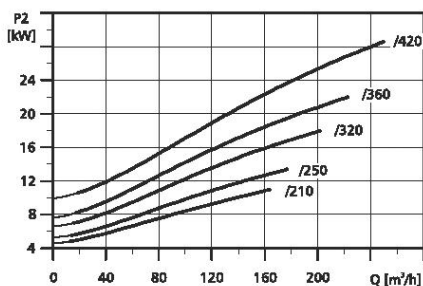
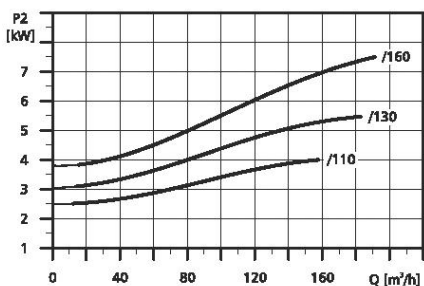
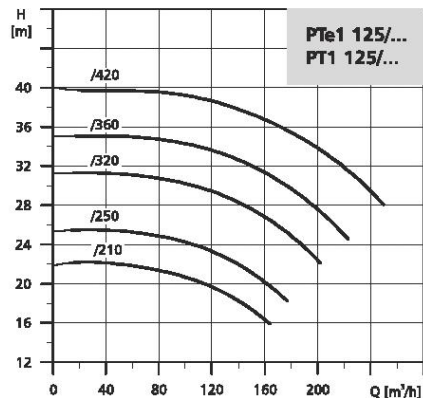
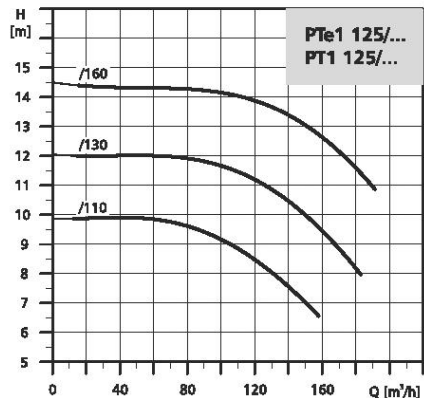
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...						
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	Ir/Ir [A]	
5,5	-	-	-	3x400-415/660-690	1400	89,6	0,86-0,80	11,0-11,0/6,35-6,35	7,0-7,6	
7,5	-	-	-	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-11,2/8,6-8,4	6,8-7,8	
11,0	-	-	-	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1	
15,0	-	-	-	3x400-415/660-690	1400	92,1	0,86-0,82	29,0-28,0/16,8-16,4	7,6-8,7	
18,5	-	-	-	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4	
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7	

Silniki pomp:

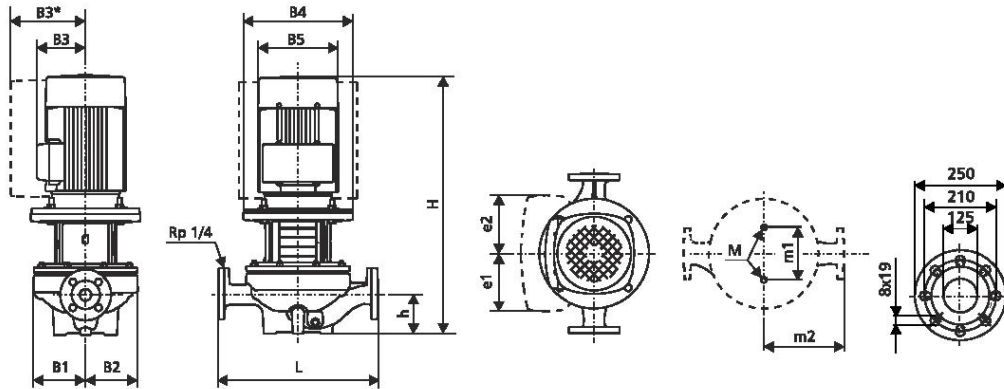
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 125/110	4.0	620	854	215	250	202	188	250	220	145	145	230	310	M16	188
PTe1 125/130	5.5	620	877	215	250	202	213	300	260	145	145	230	310	M16	198
PTe1 125/160	7.5	620	969	215	250	202	213	300	260	145	145	230	310	M16	223
PT1 125/110	4.0	620	854	215	250	202	134	250	220	-	-	230	310	M16	183
PT1 125/130	5.5	620	877	215	250	202	159	300	260	-	-	230	310	M16	212
PT1 125/150	7.5	590	902	185	250	202	159	400	260	-	-	230	310	M16	257
PT1 125/160	7.5	620	927	215	250	202	159	300	260	-	-	230	310	M16	222
PT1 125/200	11.0	590	943	185	250	202	204	400	314	-	-	230	310	M16	280
PT1 125/240	15.0	590	1017	185	250	202	430	400	314	-	-	230	310	M16	287

## DANE ELEKTRYCZNE

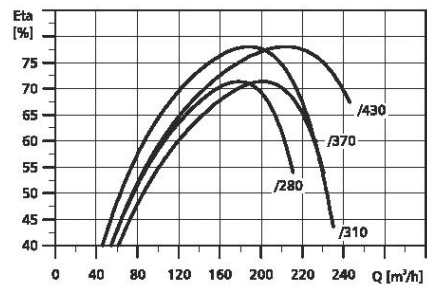
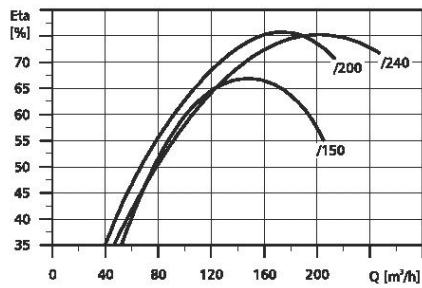
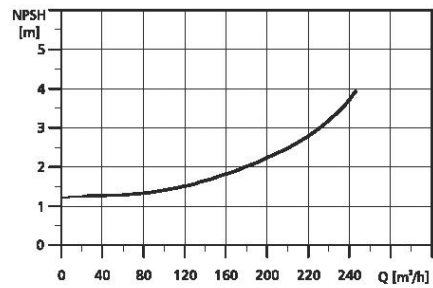
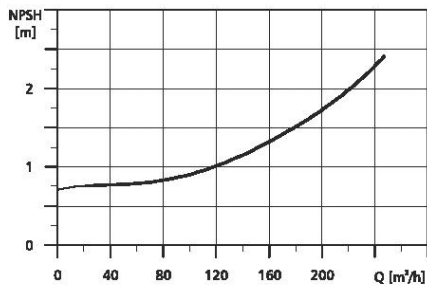
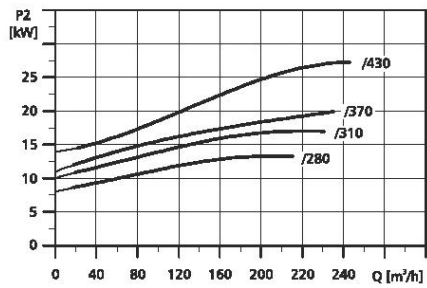
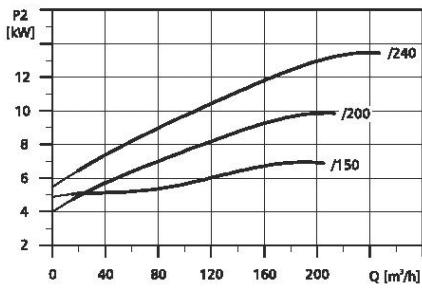
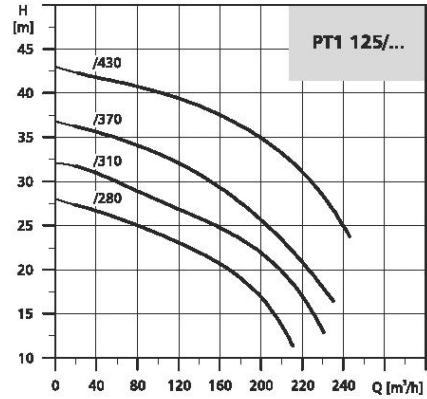
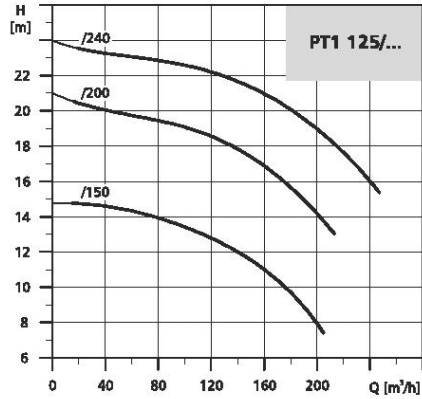
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...						
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]	
4,0	3x380-480	1400	8,1-6,6	3x230-240/400-415	1400	88,6	0,75-0,68	16,2/9,3	7,9-8,7	
5,5	3x380-480	1400	11-9,0	3x400-415/660-690	1400	89,6	0,86-0,80	11,0-11,0/6,35-6,35	7,0-7,6	
7,5	3x380-480	1400	15,0-12,0	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-11,2/8,6-8,4	6,8-7,8	
11,0	-	-	-	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1	
15,0	-	-	-	3x400-415/660-690	1400	92,1	0,86-0,82	29,0-28,0/16,8-16,4	7,6-8,7	

Silniki pomp:

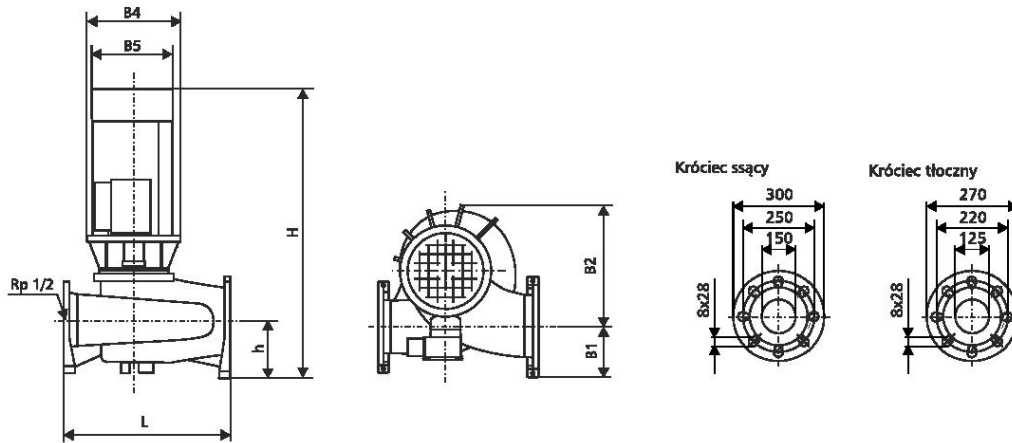
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



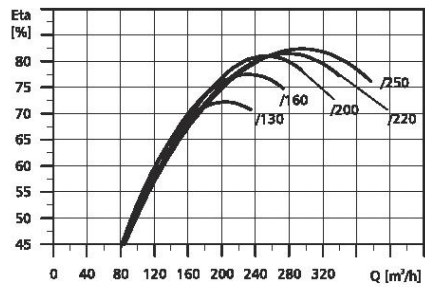
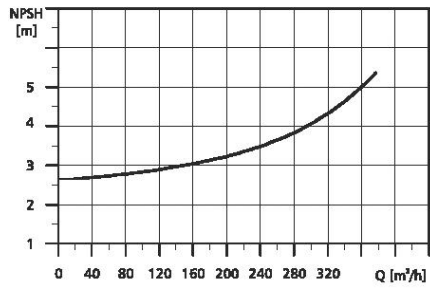
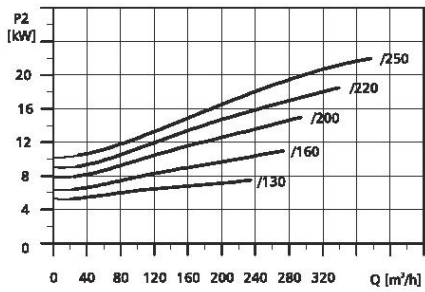
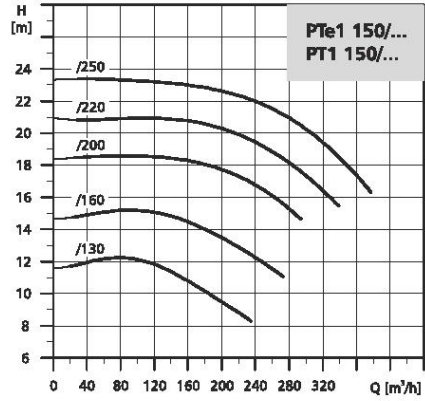
TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 125/150	7,5	590	902	185	200	430	-	400	260	-	-	-	-	M16	257
PT1 125/200	11,0	590	943	185	200	430	-	400	314	-	-	-	-	M16	280
PT1 125/240	15,0	590	1017	185	200	430	-	400	314	-	-	-	-	M16	287
PT1 125/280	15,0	660	1008	180	200	451	-	450	314	-	-	-	-	M16	330
PT1 125/310	18,5	660	1022	180	200	451	-	450	363	-	-	-	-	M16	400
PT1 125/370	22,0	660	1073	180	200	451	-	450	363	-	-	-	-	M16	425
PT1 125/430	30,0	660	1130	180	200	451	-	450	402	-	-	-	-	M16	469

## DANE ELEKTRYCZNE

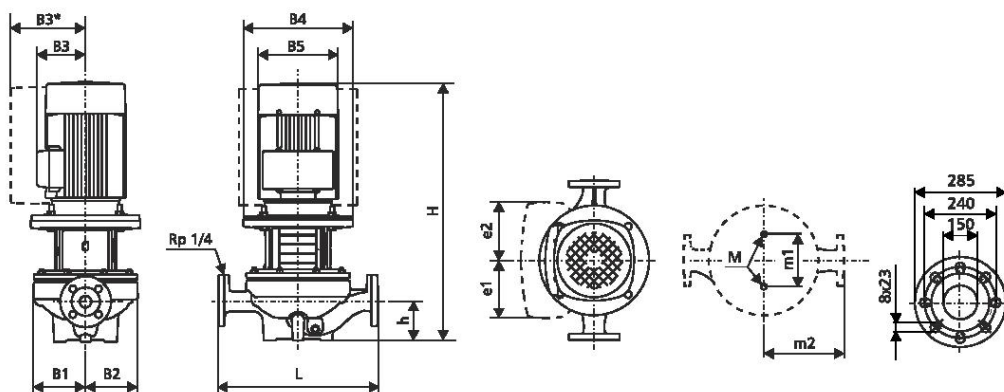
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
7,5	-	-	-	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-11,2/8,6-8,4	6,8-7,8
11,0	-	-	-	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1
15,0	-	-	-	3x400-415/660-690	1400	92,1	0,86-0,82	29,0-28,0/16,8-16,4	7,6-8,7
18,5	-	-	-	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7
30,0	-	-	-	3x400-415/660-690	1400	93,3	0,85	56,0-54,0/32,5-31,5	6,7

Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 150/130	7,5	800	966	215	296	237	213	300	260	145	145	230	400	M16	286
PTe1 150/160	11,0	800	1008	215	296	237	308	350	314	210	210	230	400	M16	314
PTe1 150/200	15,0	800	1052	215	296	237	308	350	314	210	210	230	400	M16	336
PTe1 150/220	18,5	800	1078	215	296	237	308	350	314	210	210	230	400	M16	375
PT1 150/130	7,5	800	917	215	296	237	167	300	267	-	-	230	400	M16	285
PT1 150/160	11,0	800	1008	215	296	237	204	350	314	-	-	230	400	M16	320
PT1 150/200	15,0	800	1082	215	296	237	204	350	314	-	-	230	400	M16	330
PT1 150/220	18,5	800	1096	215	296	237	262	350	363	-	-	230	400	M16	376
PT1 150/250	22,0	800	1147	215	296	237	262	350	363	-	-	230	400	M16	440

## DANE ELEKTRYCZNE

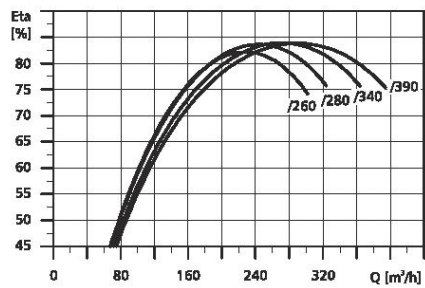
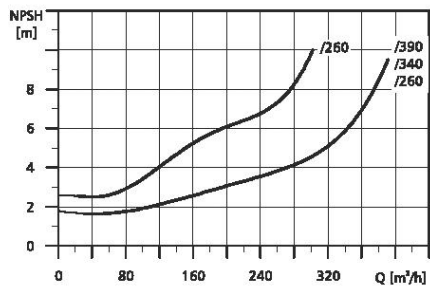
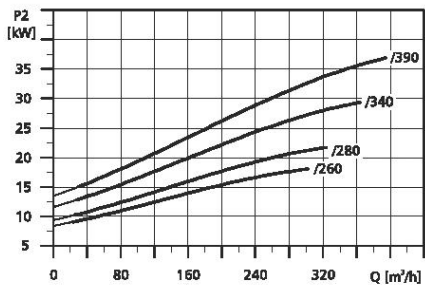
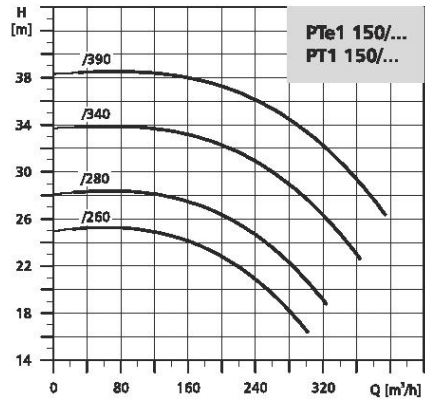
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
7,5	3x380-480	1400	15,0-12,0	3x400-415/660-690	1400	90,4	0,86-0,82	14,9-11,2/8,6-8,4	6,8-7,8
11,0	3x380-480	1400	22,0-17,8	3x400-415/660-690	1400	91,4	0,86-0,81	21,2-20,4/12,2-12,0	7,1-8,1
15,0	3x380-480	1400	30,0-25,4	3x400-415/660-690	1400	92,1	0,86-0,82	29,0-28,0/16,8-16,4	7,6-8,7
18,5	3x380-480	1400	37,0-30,0	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

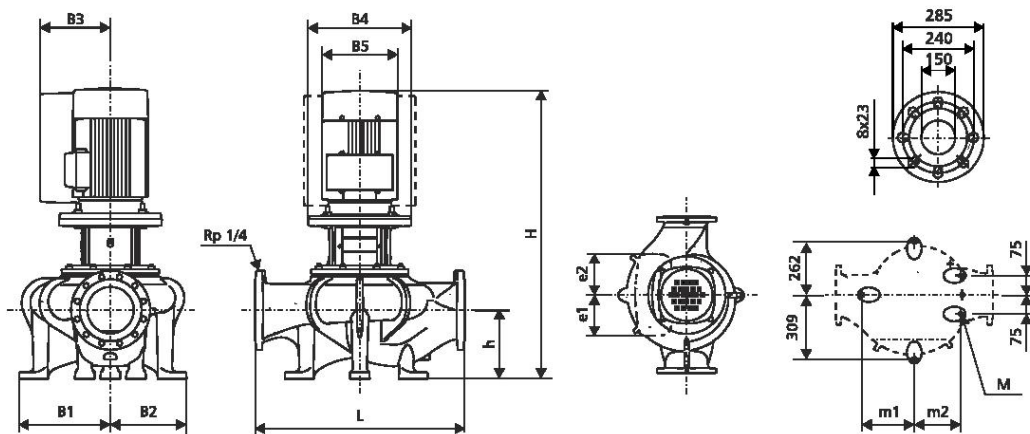
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe1 150/260	18,5	800	1095	235	335	288	308	350	314	210	210	277	267	5x18	388
PT1 150/260	18,5	800	1113	235	335	288	262	350	363	-	-	277	267	5x18	385
PT1 150/280	22,0	800	1164	235	335	288	262	350	363	-	-	277	267	5x18	411
PT1 150/340	30,0	800	1221	235	335	288	300	400	402	-	-	277	267	5x18	462
PT1 150/390	37,0	800	1233	235	335	288	325	450	442	-	-	277	267	5x18	540

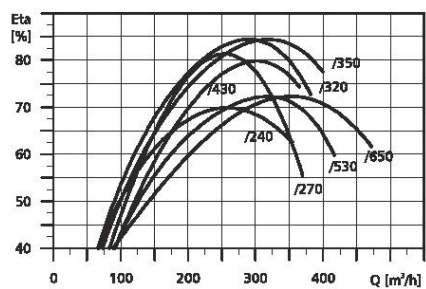
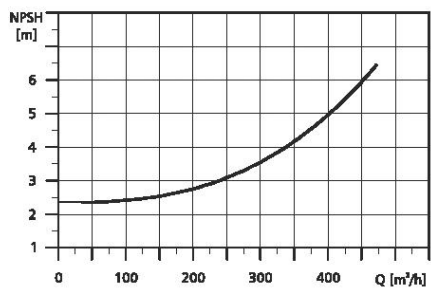
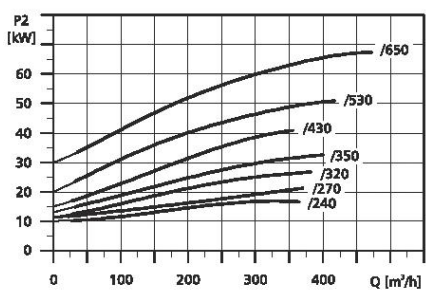
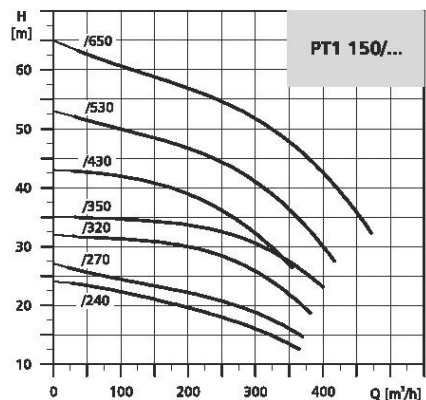
## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...						
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	Ir/Ir [A]	
18,5	3x380-480	1400	37,0-30,0	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4	
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7	
30,0	-	-	-	3x400-415/660-690	1400	93,3	0,85	56,0-54,0/32,5-31,5	6,7	
37,0	-	-	-	3x400-415/660-690	1400	94	0,85	67,0/38,5	6,8	

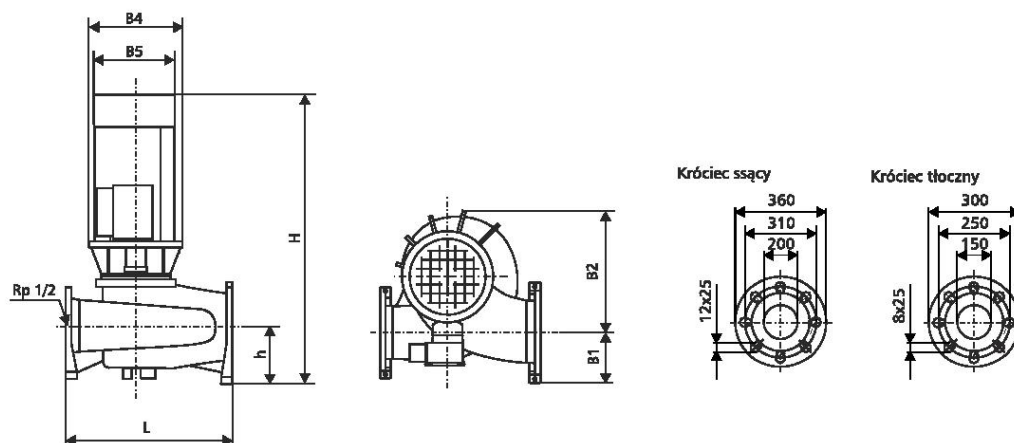
Silniki pomp:

PTe - o regulowanej prędkości obrotowej  
PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 150/240	18,5	740	1077	225	230	504	-	450	363	-	-	-	-	M16	440
PT1 150/270	22,0	740	1128	225	230	504	-	450	363	-	-	-	-	M16	465
PT1 150/320	30,0	740	1186	225	230	504	-	450	402	-	-	-	-	M16	509
PT1 150/350	37,0	740	1197	225	230	504	-	550	442	-	-	-	-	M16	575
PT1 150/430	45,0	900	1284	250	235	575	-	550	442	-	-	-	-	M16	655
PT1 150/530	55,0	900	1392	250	235	575	-	550	495	-	-	-	-	M16	785
PT1 150/650	75,0	900	1395	250	235	575	-	550	555	-	-	-	-	M16	900

## DANE ELEKTRYCZNE

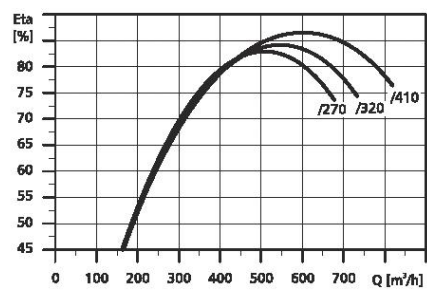
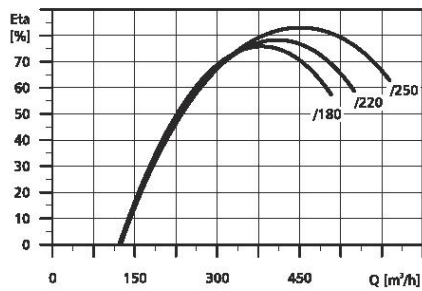
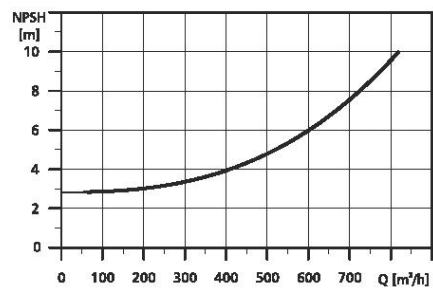
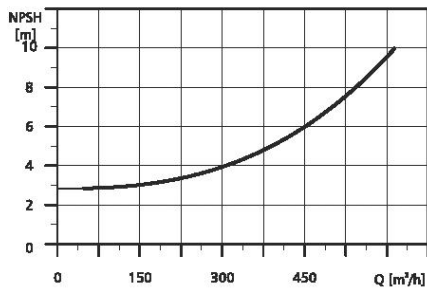
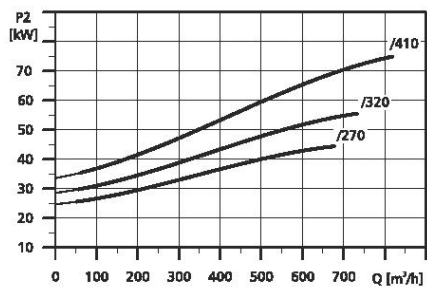
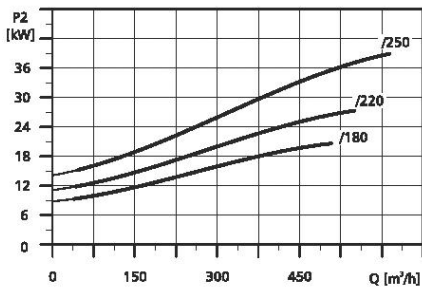
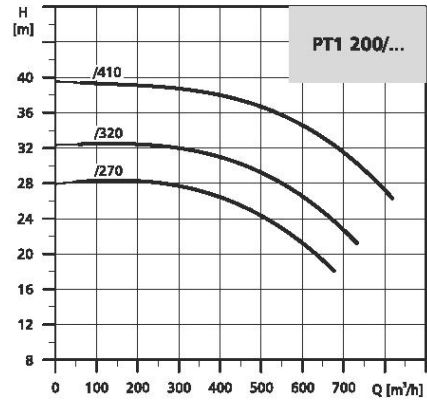
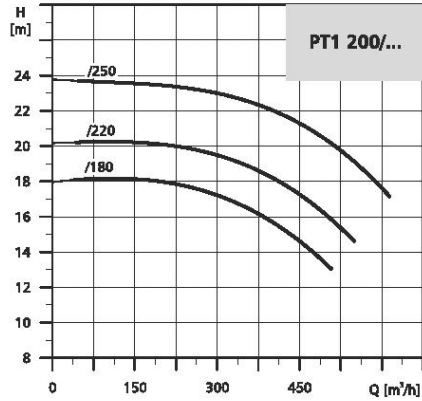
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	I <sub>n</sub> [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	I <sub>n</sub> [A]	I <sub>n</sub> /I <sub>r</sub> [A]
18,5	-	-	-	3x400-415/660-690	1400	92,5	0,83	36,0-34,5/20,5-20,0	6,4
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7
30,0	-	-	-	3x400-415/660-690	1400	93,3	0,85	56,0-54,0/32,5-31,5	6,7
37,0	-	-	-	3x400-415/660-690	1400	94	0,85	67,0/38,5	6,8
45,0	-	-	-	3x400-415/660-690	1400	94,4	0,85	81,0/47,0	6,9
55,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	96,0/55,5	7,5
75,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	130,0/75,0	6,8

Silniki pomp:

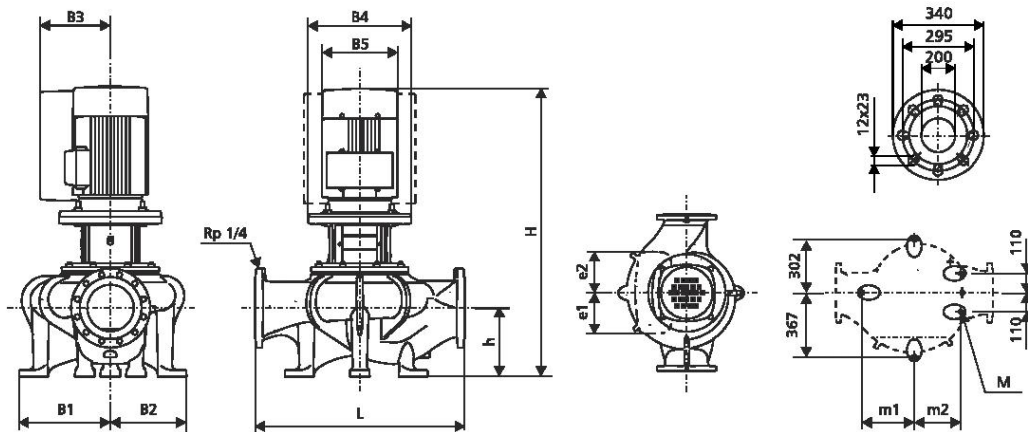
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 200/180	22.0	900	1181	295	393	328	258	350	363	-	-	297	265	5x18	484
PT1 200/220	30.0	900	1237	295	393	328	305	400	402	-	-	297	265	5x18	535
PT1 200/250	37.0	900	1258	295	393	328	325	450	442	-	-	297	265	5x18	612
PT1 200/270	45.0	900	1381	295	393	328	325	450	442	-	-	297	265	5x18	666
PT1 200/320	55.0	900	1489	295	393	328	392	550	495	-	-	297	265	5x18	817
PT1 200/410	75.0	900	1492	295	393	328	432	550	555	-	-	297	265	5x18	935

## DANE ELEKTRYCZNE

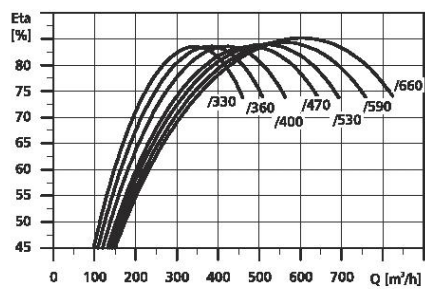
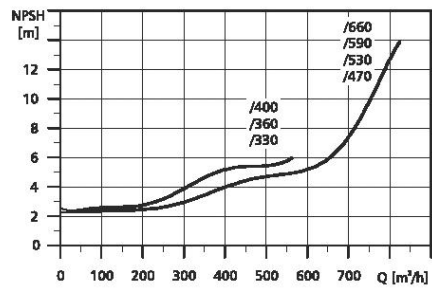
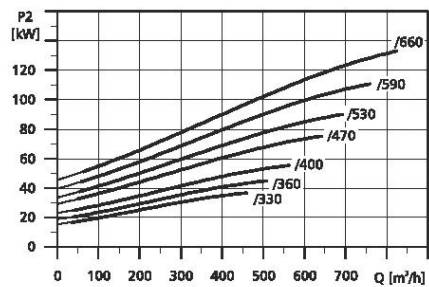
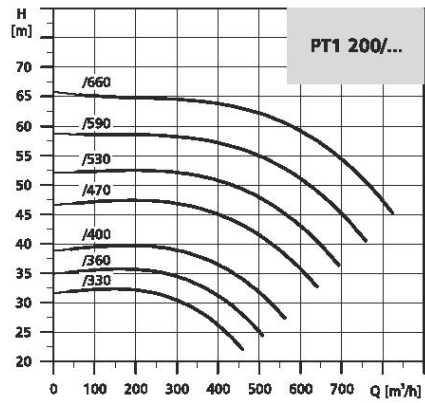
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
22,0	-	-	-	3x400-415/660-690	1400	93	0,84	41,5-40,0/24,0-23,5	6,7
30,0	-	-	-	3x400-415/660-690	1400	93,3	0,85	56,0-54,0/32,5-31,5	6,7
37,0	-	-	-	3x400-415/660-690	1400	94	0,85	67,0/38,5	6,8
45,0	-	-	-	3x400-415/660-690	1400	94,5	0,85	81,0/47,0	6,9
55,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	96,0/55,5	7,5
75,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	130,0/75,0	6,8

Silniki pomp:

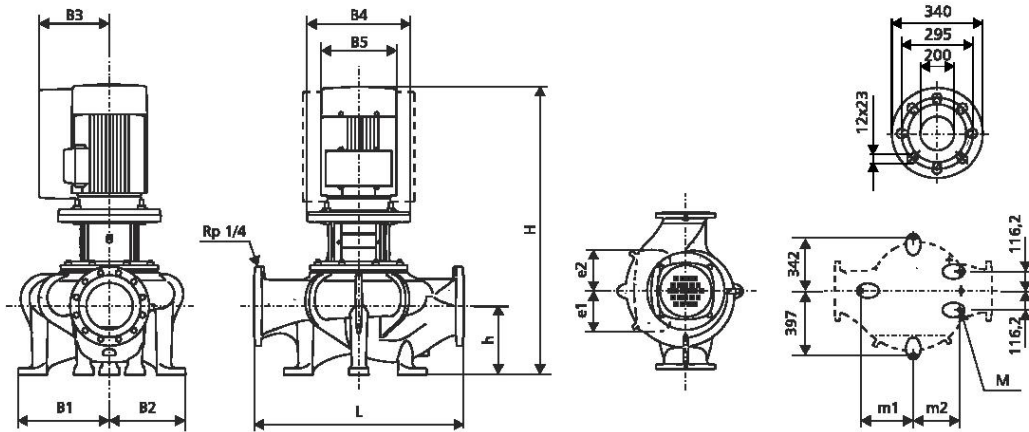
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



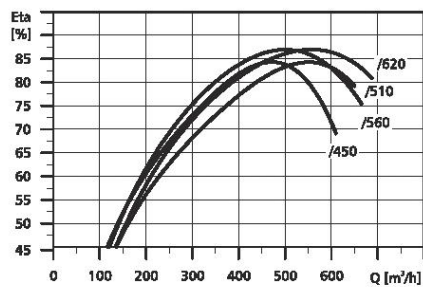
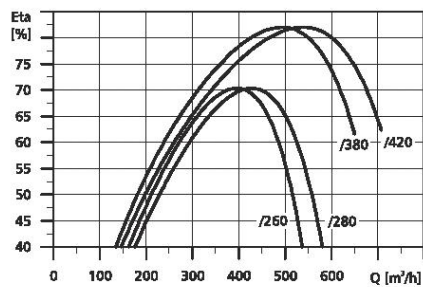
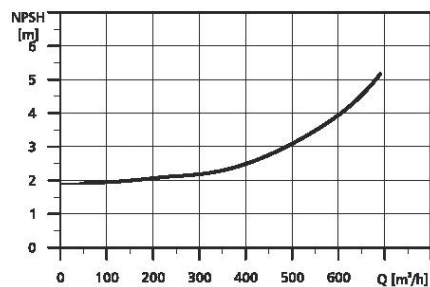
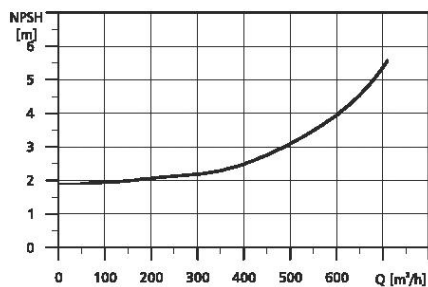
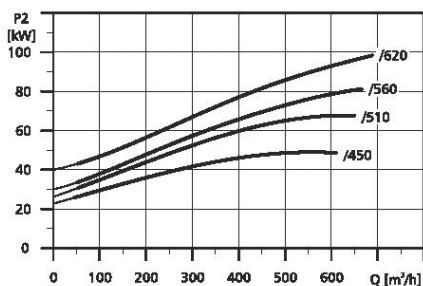
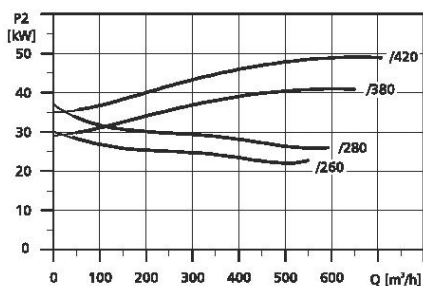
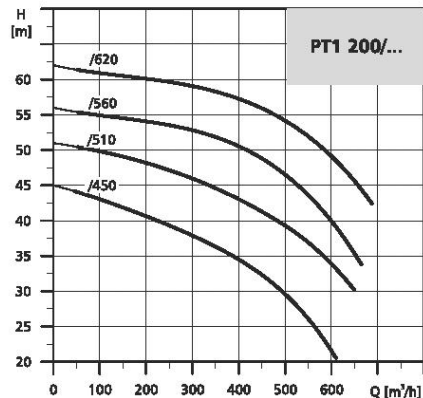
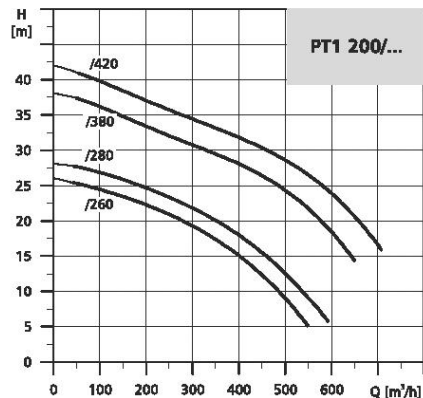
TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1		m2	M
PT1 200/330	37.0	1000	1326	295	423	368	325	450	442	-	-	342	307	5x18	720
PT1 200/360	45.0	1000	1386	295	423	368	325	450	442	-	-	342	307	5x18	761
PT1 200/400	55.0	1000	1494	295	423	368	392	550	495	-	-	342	307	5x18	911
PT1 200/450	55.0	1100	1434	290	268	640	392	550	495	-	-	342	307	5x18	860
PT1 200/470	75.0	1000	1497	295	423	368	432	550	555	-	-	342	307	5x18	1029
PT1 200/510	75.0	1100	1437	290	268	640	432	550	555	-	-	342	307	5x18	975
PT1 200/530	90.0	1000	1607	295	423	368	432	550	555	-	-	342	307	5x18	1131
PT1 200/560	90.0	1100	1547	290	268	640	432	550	555	-	-	342	307	5x18	1260
PT1 200/590	110.0	1000	1639	295	423	368	495	660	610	-	-	342	307	5x18	1331
PT1 200/620	110.0	1100	1579	290	268	640	495	660	610	-	-	342	307	5x18	1210
PT1 200/660	132.0	1000	1799	295	423	368	495	660	610	-	-	342	307	5x18	1488

## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
37,0	-	-	-	3x400-415/660-690	1400	94	0,85	67,0/38,5	6,8
45,0	-	-	-	3x400-415/660-690	1400	94,5	0,85	81,0/47,0	6,9
55,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	96,0/55,5	7,5
75,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	130,0/75,0	6,8
90,0	-	-	-	3x400-415/660-690	1400	95,4	0,86	158,0/91,0	7,5
110,0	-	-	-	3x400-415/660-690	1400	95,9	0,87	190,0/110,0	7,1
132,0	-	-	-	3x400-415/660-690	1400	96,1	0,88	225,0/130,0	7,3

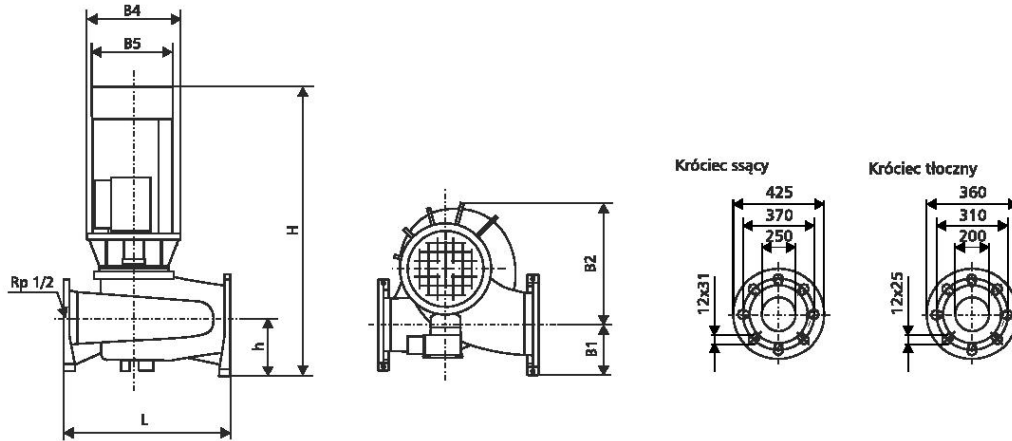
Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



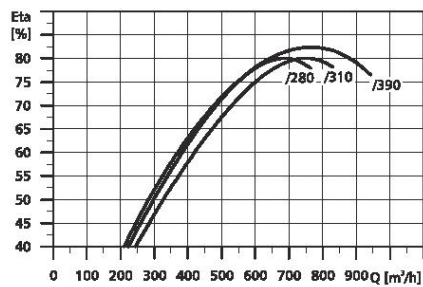
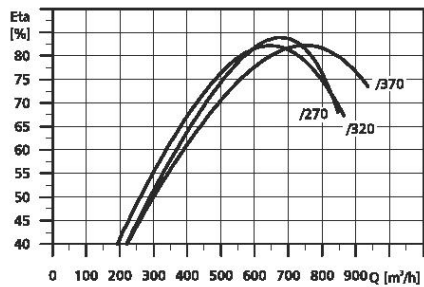
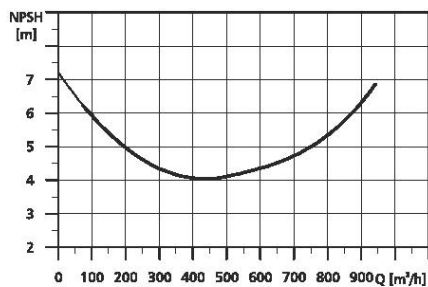
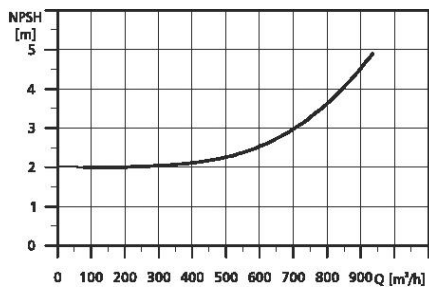
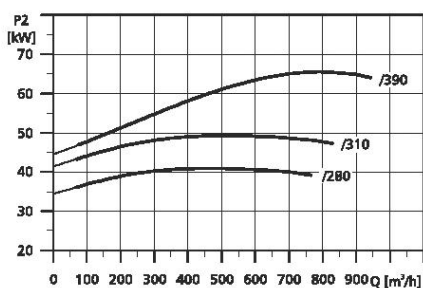
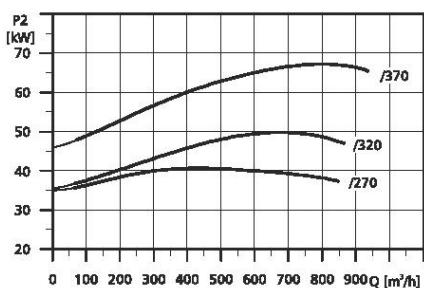
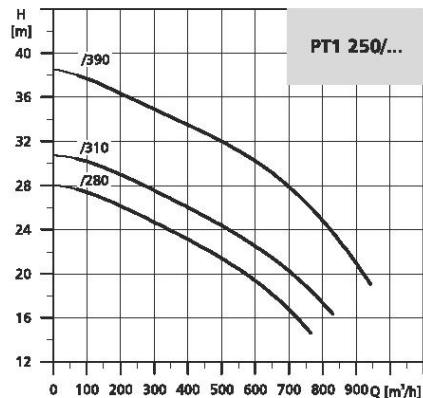
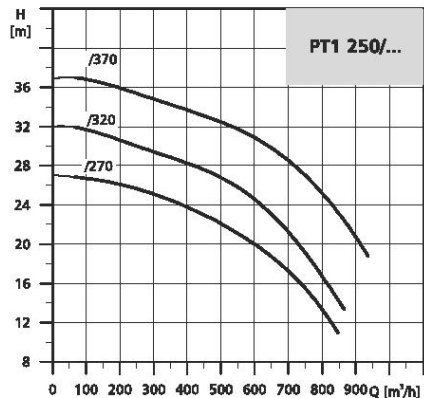
TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 200/260	30,0	830	1237	250	260	560	-	450	442	-	-	-	-	5x18	585
PT1 200/280	37,0	830	1237	250	260	560	-	550	442	-	-	-	-	5x18	630
PT1 200/380	45,0	830	1297	250	260	560	-	550	442	-	-	-	-	5x18	670
PT1 200/420	55,0	830	1405	250	260	560	-	550	495	-	-	-	-	5x18	800
PT1 200/450	55,0	1100	1434	290	268	640	-	550	495	-	-	-	-	5x18	860
PT1 200/510	75,0	1100	1437	290	268	640	-	550	555	-	-	-	-	5x18	975
PT1 200/560	90,0	1100	1547	290	268	640	-	550	555	-	-	-	-	5x18	1260
PT1 200/620	110,0	1100	1579	290	268	640	-	660	610	-	-	-	-	5x18	1210

## DANE ELEKTRYCZNE

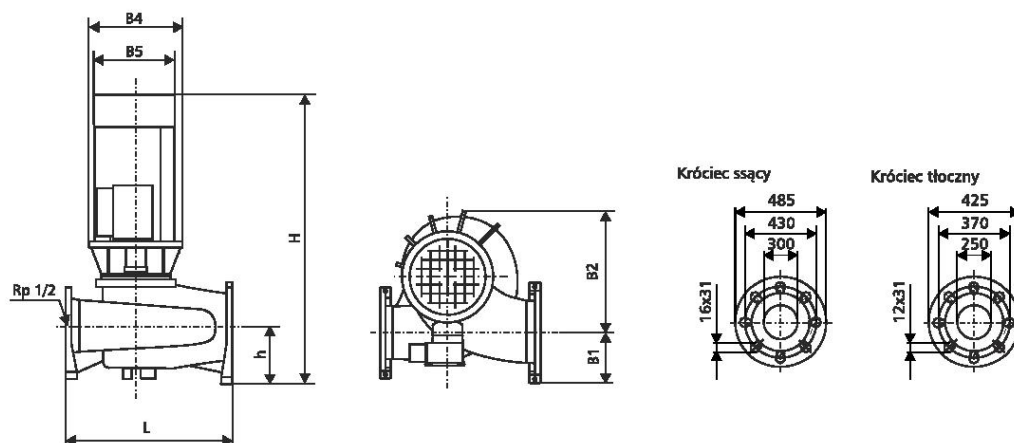
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
30,0	-	-	-	3x400-415/660-690	1400	93,3	0,85	56,0-54,0/32,5-31,5	6,7
37,0	-	-	-	3x400-415/660-690	1400	94	0,85	67,0/38,5	6,8
45,0	-	-	-	3x400-415/660-690	1400	94,5	0,85	81,0/47,0	6,9
55,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	96,0/55,5	7,5
75,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	130,0/75,0	6,8
90,0	-	-	-	3x400-415/660-690	1400	95,4	0,86	158,0/91,0	7,5
110,0	-	-	-	3x400-415/660-690	1400	95,9	0,87	190,0/110,0	7,1

Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe

# CHARAKTERYSTYKA



## DANE MONTAŻOWE



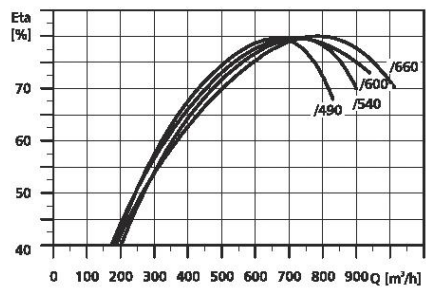
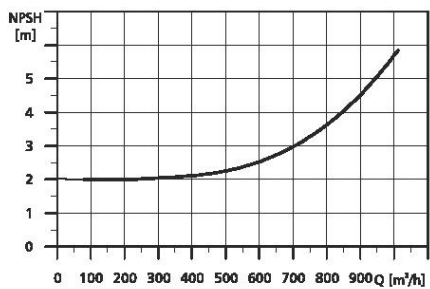
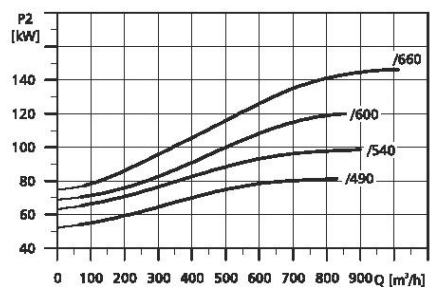
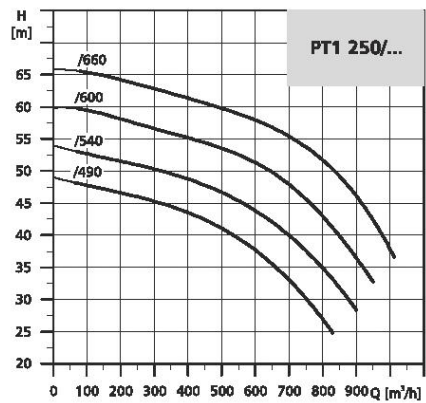
TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]	
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M		
PT1 250/270	45,0	950	1377	300	303	650	-	550	442	-	-	-	-	-	-	780
PT1 250/280	45,0	950	1387	310	223	635	-	550	442	-	-	-	-	-	-	690
PT1 250/310	55,0	950	1495	310	223	635	-	550	495	-	-	-	-	-	-	820
PT1 250/320	55,0	950	1485	300	303	650	-	550	495	-	-	-	-	-	-	910
PT1 250/370	75,0	950	1488	300	303	650	-	550	555	-	-	-	-	-	-	1025
PT1 250/390	75,0	950	1498	310	223	635	-	550	555	-	-	-	-	-	-	935

## DANE ELEKTRYCZNE

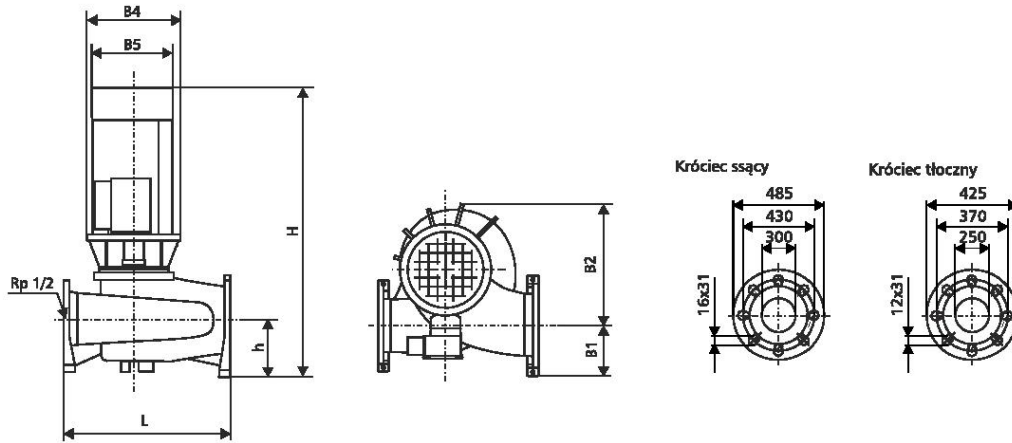
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
45,0	-	-	-	3x400-415/660-690	1400	94,5	0,85	81,0/47,0	6,9
55,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	96,0/55,5	7,5
75,0	-	-	-	3x400-415/660-690	1400	95,1	0,87	130,0/75,0	6,8

Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 250/490	90,0	1200	1653	350	303	700	-	660	555	-	-	-	-	-	1225
PT1 250/540	110,0	1200	1655	350	303	700	-	660	610	-	-	-	-	-	1360
PT1 250/600	132,0	1200	1800	350	303	700	-	660	610	-	-	-	-	-	1515
PT1 250/660	160,0	1200	1800	350	303	700	-	660	610	-	-	-	-	-	1655

## DANE ELEKTRYCZNE

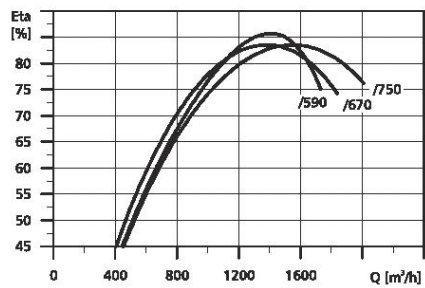
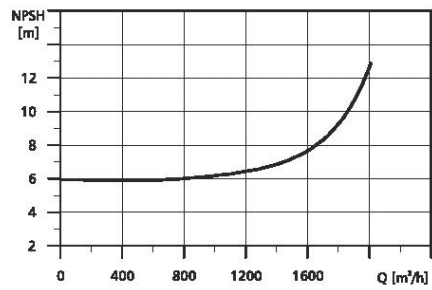
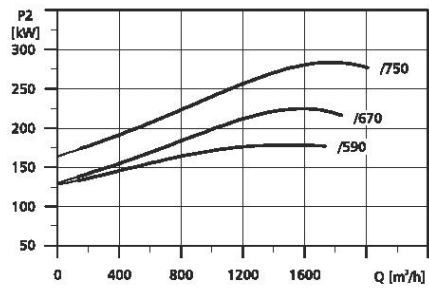
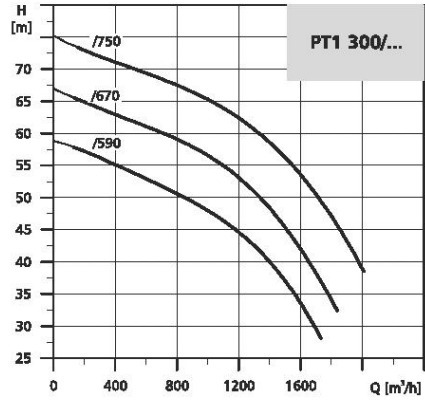
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
90,0	-	-	-	3x400-415/660-690	1400	95,4	0,86	158,0/91,0	7,5
110,0	-	-	-	3x400-415/660-690	1400	95,9	0,87	190,0/110,0	7,1
132,0	-	-	-	3x400-415/660-690	1400	96,1	0,88	225,0/130,0	7,3
160,0	-	-	-	3x400-415/660-690	1400	96,3	0,88	275,0/160,0	7,4

Silniki pomp:

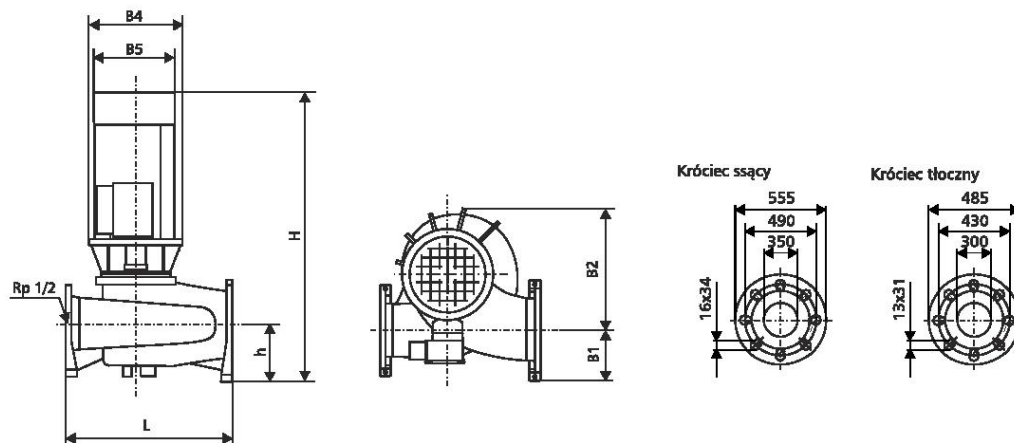
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



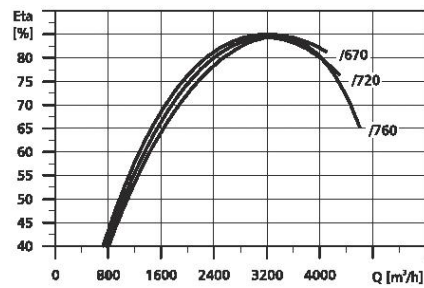
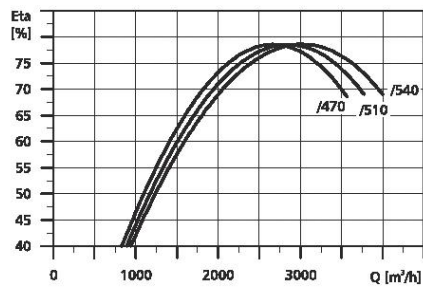
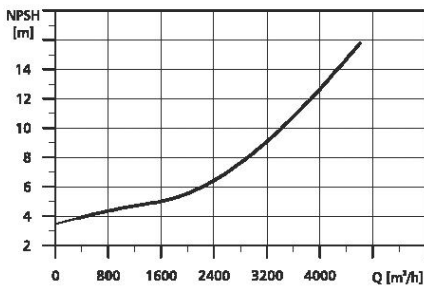
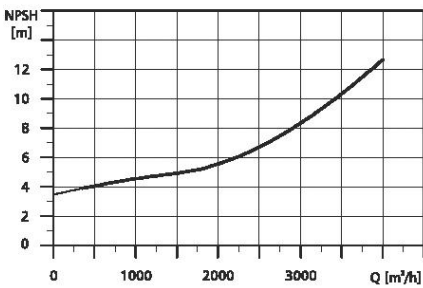
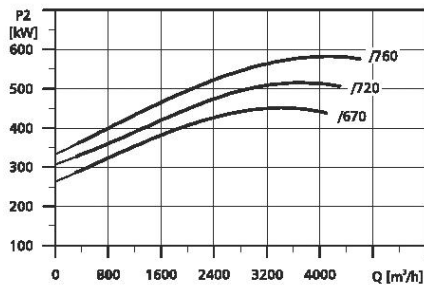
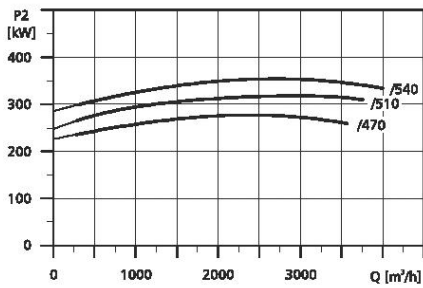
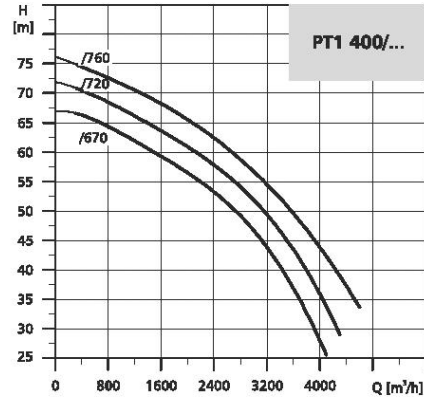
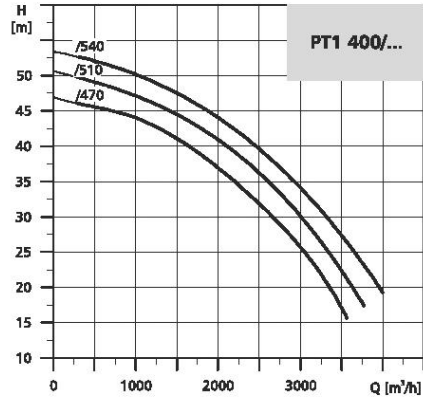
TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 300/590	200,0	1300	2013	375	338	790	-	660	610	-	-	-	-	-	1935
PT1 300/670	250,0	1300	2051	375	338	790	-	1150	710	-	-	-	-	1930	
PT1 300/750	315,0	1300	2051	375	338	790	-	1150	710	-	-	-	-	2130	

## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
200,0	-	-	-	3x400-415/660-690	1400	96,4	0,88	340,0/196,0	-
250,0	-	-	-	3x400-415/660-690	1400	-	0,88	425,0/245,0	-
315,0	-	-	-	3x400-415/660-690	1400	-	0,88	540,0/312,0	-

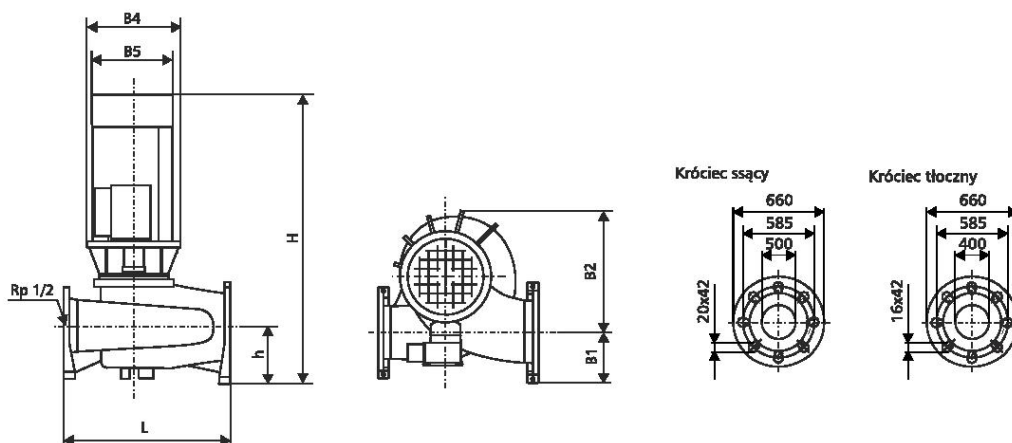
Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PT1 40Q/470	315.0	1400	2386	450	448	1064	-	1150	710	-	-	-	-	-	3700
PT1 40Q/510	355.0	1400	2611	450	448	1064	-	900	790	-	-	-	-	-	4100
PT1 40Q/540	400.0	1400	2611	450	448	1064	-	900	790	-	-	-	-	-	4200
PT1 40Q/670	500.0	1400	2611	450	448	1064	-	900	790	-	-	-	-	-	4400
PT1 40Q/720	560.0	1400	2771	450	448	1064	-	1150	880	-	-	-	-	-	5000
PT1 40Q/760	630.0	1400	2771	450	448	1064	-	1150	880	-	-	-	-	-	5200

## DANE ELEKTRYCZNE

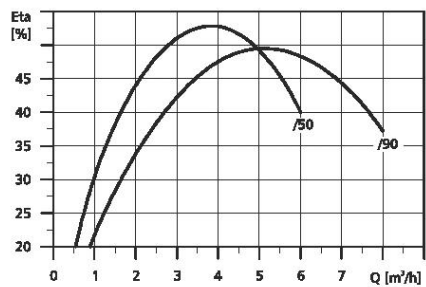
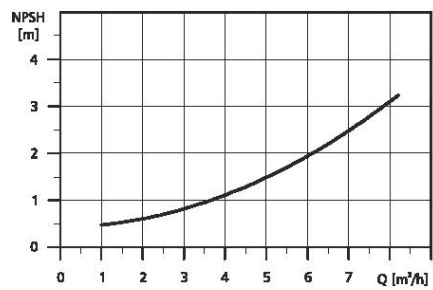
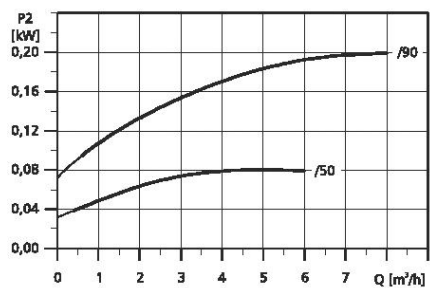
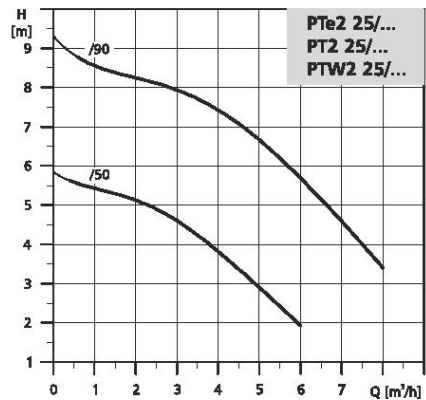
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	I <sub>n</sub> [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	I <sub>n</sub> [A]	I <sub>n</sub> /I <sub>r</sub> [A]
315,0	-	-	-	3x400-415/660-690	1400	-	0,88	540,0/312,0	-
355,0	-	-	-	3x400-415/660-690	1400	-	0,87	610,0/350,0	-
400,0	-	-	-	3x400-415/660-690	1400	-	0,87	690,0/400,0	-
500,0	-	-	-	3x400-415/660-690	1400	-	0,88	850,0/490,0	-
560,0	-	-	-	3x400-415/660-690	1400	-	0,88	960,0/550,0	-
630,0	-	-	-	3x400-415/660-690	1400	-	0,88	1060,0/610,0	-

Silniki pomp:

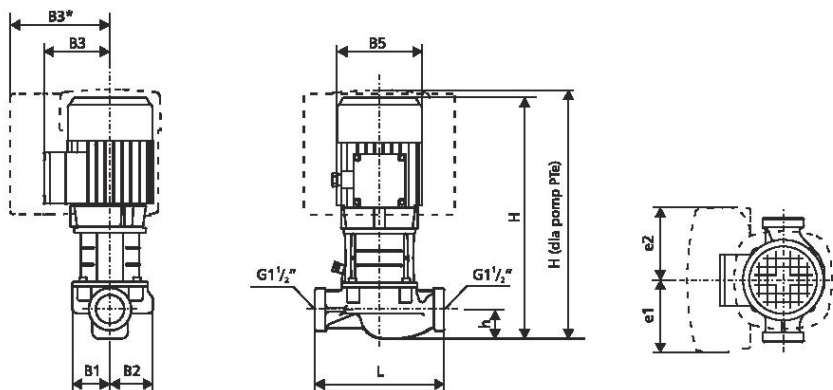
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 25/50 M	0,12	180	334	25	54	52	140	-	141	105	105	-	-	-	11	-
PTe2 25/90 M	0,25	180	334	25	54	52	140	-	141	105	105	-	-	-	11	-
PTZ 25/50 M	0,12	180	323	25	54	52	101	-	118	-	-	-	-	-	7	8
PTZ 25/50	0,12	180	323	25	54	52	101	-	118	-	-	-	-	-	7	8
PTZ 25/90 M	0,25	180	353	25	54	52	111	-	139	-	-	-	-	-	8	9
PTZ 25/90	0,25	180	323	25	54	52	101	-	118	-	-	-	-	-	8	8

## DANE ELEKTRYCZNE

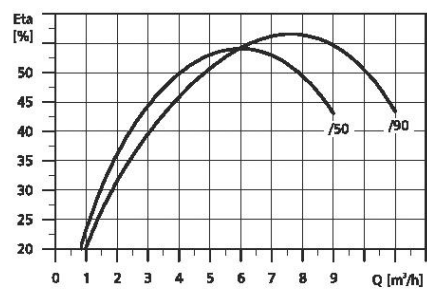
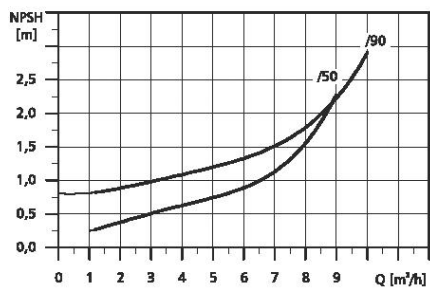
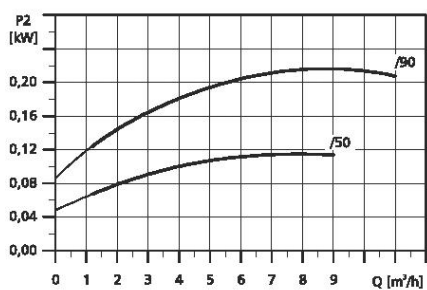
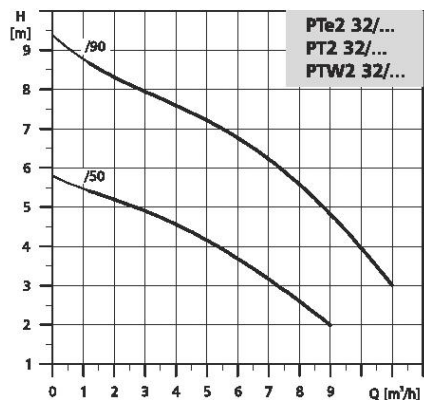
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,12	1x200-240	2900	2,2-1,9	1x230-240	2900	65	0,99	1,05	3,2-3,6
0,12	-	-	-	3x230-240/400-415	2900	71	0,8-0,72	0,59-0,34	4,2-4,6
0,25	1x200-240	2900	3,0-2,5	1x230-240	2900	58	0,99	2,05/2	-
0,25	-	-	-	3x230-240/400-415	2900	73	0,81-0,72	1,18/0,68	4,0-4,4

Silniki pomp:

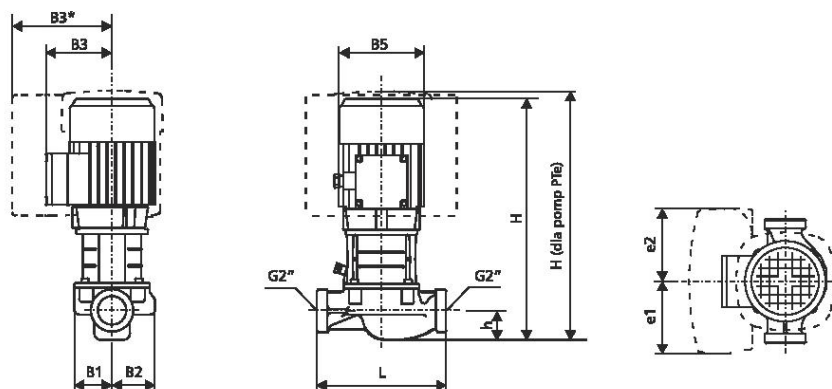
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]	
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 32/50 M	0,12	180	334	40	51	60	140	-	141	105	105	-	-	-	11	-
PTe2 32/90	0,25	180	334	40	51	60	140	-	141	105	105	-	-	-	12	-
PT2 32/50 M	0,12	180	338	40	51	60	101	-	118	-	-	-	-	-	8	9
PT2 32/50	0,12	180	338	40	51	60	101	-	118	-	-	-	-	-	8	9
PT2 32/90 M	0,25	180	368	40	51	60	111	-	139	-	-	-	-	-	8	9
PT2 32/90	0,25	180	338	40	51	60	101	-	118	-	-	-	-	-	8	9

## DANE ELEKTRYCZNE

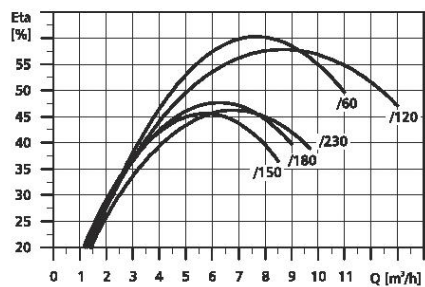
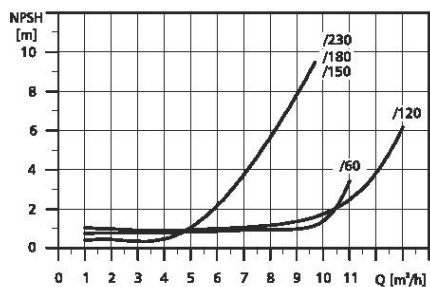
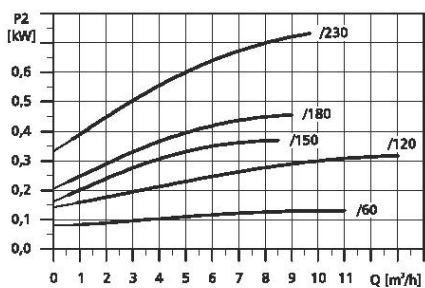
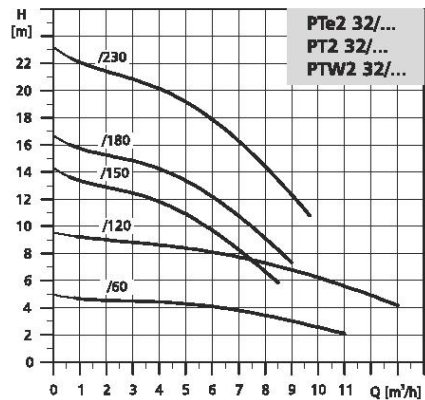
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,12	1x200-240	2900	2,2-1,9	1x230-240	2900	65	0,99	1,05	3,2-3,6
0,12	-	-	-	3x230-240/400-415	2900	71	0,8-0,72	0,59-0,34	4,2-4,6
0,25	1x200-240	2900	3,0-2,5	1x230-240	2900	58	0,99	2,05/2	-
0,25	-	-	-	3x230-240/400-415	2900	73	0,81-0,72	1,18/0,68	4,0-4,4

Silniki pomp:

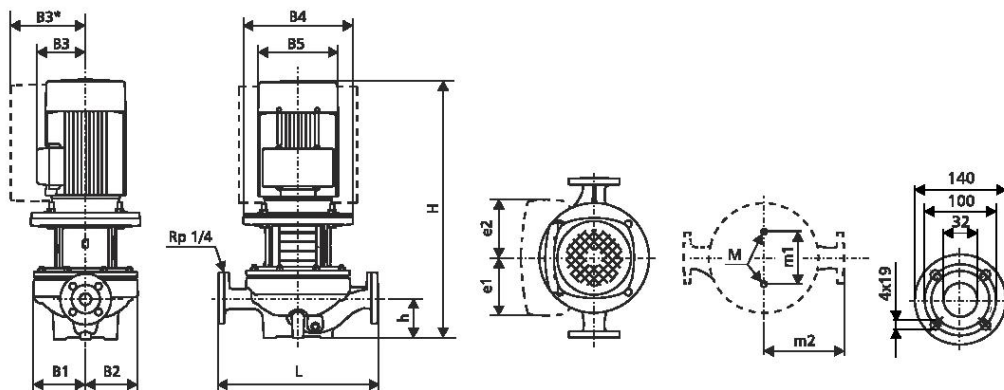
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 32/60 M	0,25	220	407	68	75	75	140	90	141	105	105	80	110	M12	22	-
PTe2 32/120 M	0,37	220	385	68	75	75	140	-	141	105	105	80	110	M12	21	-
PTe2 32/150 M	0,37	280	395	79	102	102	140	-	141	105	105	80	140	M12	29	-
PTe2 32/180 M	0,55	280	395	79	102	102	140	-	141	105	105	80	140	M12	29	-
PTe2 32/230 M	0,75	280	447	79	102	102	140	-	141	105	105	80	140	M12	41	-
PTe2 32/230	0,75	280	497	79	102	102	101	-	141	105	105	80	140	M12	41	-
PT2 32/60 M	0,25	220	387	68	75	75	101	90	124	-	-	80	110	M12	16	18
PT2 32/60	0,18	220	386	68	75	75	101	90	124	-	-	80	110	M12	16	18
PT2 32/120 M	0,25	220	385	68	75	75	133	-	141	-	-	80	110	M12	19	21
PT2 32/120	0,37	220	385	68	75	75	133	-	141	-	-	80	110	M12	19	21
PT2 32/150 M	0,37	280	395	79	102	102	133	-	141	-	-	80	140	M12	23	26
PT2 32/150	0,37	280	395	79	102	102	109	-	141	-	-	80	140	M12	23	26
PT2 32/180 M	0,55	280	447	79	102	102	133	-	141	-	-	80	140	M12	24	27
PT2 32/180	0,55	280	395	79	102	102	109	-	141	-	-	80	140	M12	24	27
PT2 32/230 M	0,75	280	447	79	102	102	133	-	141	-	-	80	140	M12	25	28
PT2 32/230	0,75	280	447	79	102	102	109	-	141	-	-	80	140	M12	25	28

## DANE ELEKTRYCZNE

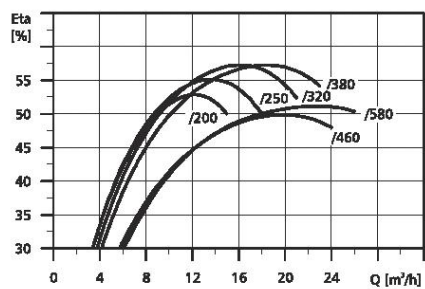
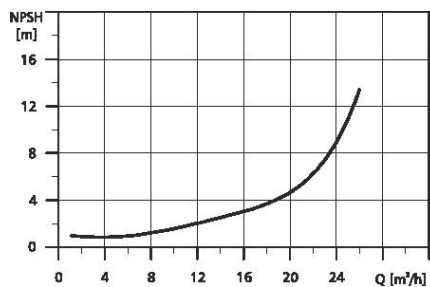
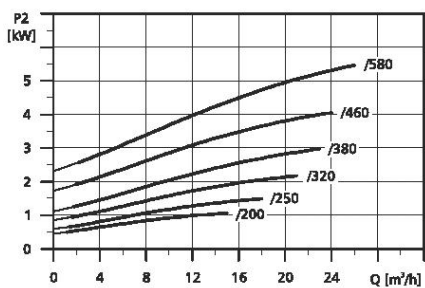
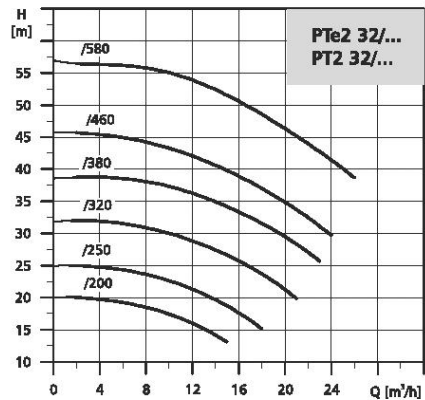
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,18	-	-	-	3x230-240/400-415	2900	73	0,81-0,72	1,18/0,68	4,0-4,4
0,25	1x200-240	2900	3,0-2,5	1x230-240	2900	58	0,99	2,05/2	-
0,37	1x200-240	2900	3,1-2,6	1x230-240	2900	60	0,99	2,95/2,7	2,8
0,37	-	-	-	3x230-240/400-415	2900	78,5	0,8-0,7	1,74/1	4,9-5,3
0,55	1x200-240	2900	3,9-3,6	1x230-240	2900	66	0,99	4/3,65	2,8
0,55	-	-	-	3x230-240/400-415	2900	80	0,8-0,7	2,5/1,44	1,9
0,75	1x200-240	2900	5,1-4,7	1x230-240	2900	96	0,99	5,1/4,75	3,0
0,75	3x380-480	2900	2,0-1,8	3x230-240/400-415	2900	80,7	0,81-0,71	3,3/1,9	5,8-6,2

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

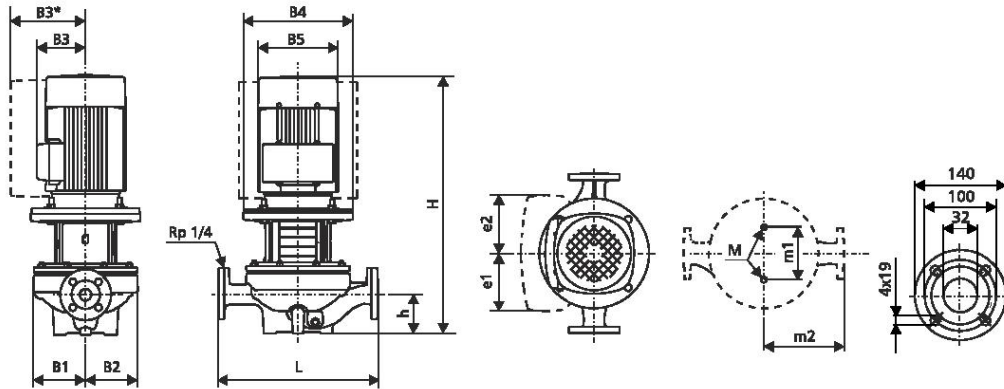
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe2 32/200 M	1,1	340	485	100	125	117	140	200	141	105	105	144	170	M16	50
PTe2 32/200	1,1	340	535	100	125	117	167	200	178	105	105	144	170	M16	50
PTe2 32/250	1,5	340	535	100	125	117	167	200	178	132	132	144	170	M16	52
PTe2 32/320	2,2	340	575	100	125	117	167	200	178	132	132	144	170	M16	57
PTe2 32/380	3,0	340	618	100	125	117	177	250	198	132	132	144	170	M16	65
PTe2 32/460	4,0	440	656	100	144	144	188	250	220	145	145	144	220	M16	79
PTe2 32/580	5,5	440	714	100	144	144	188	300	220	145	145	144	220	M16	95
PT2 32/200 M	1,1	340	505	100	125	117	109	200	141	-	-	144	170	M16	42
PT2 32/200	1,1	340	505	100	125	117	109	200	141	-	-	144	170	M16	42
PT2 32/250 M	1,5	340	535	100	125	117	110	200	178	-	-	144	170	M16	46
PT2 32/250	1,5	340	535	100	125	117	110	200	178	-	-	144	170	M16	46
PT2 32/320	2,2	340	575	100	125	117	110	200	178	-	-	144	170	M16	51
PT2 32/380	3,0	340	618	100	125	117	120	250	198	-	-	144	170	M16	63
PT2 32/460	4,0	440	656	100	144	144	134	250	220	-	-	144	220	M16	76
PT2 32/580	5,5	440	714	100	144	144	134	300	220	-	-	144	220	M16	90

## DANE ELEKTRYCZNE

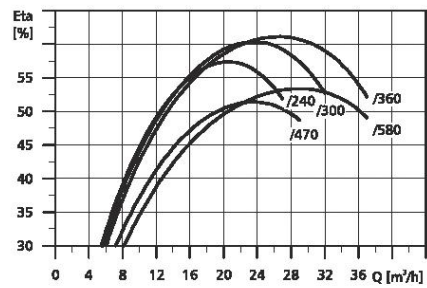
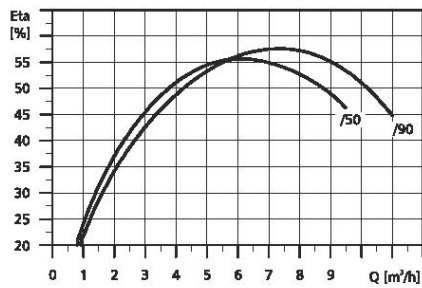
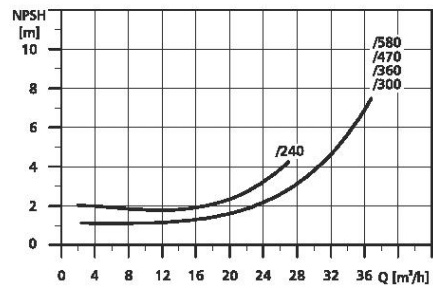
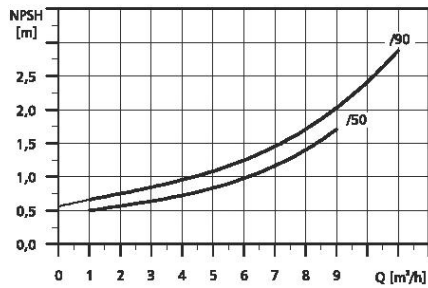
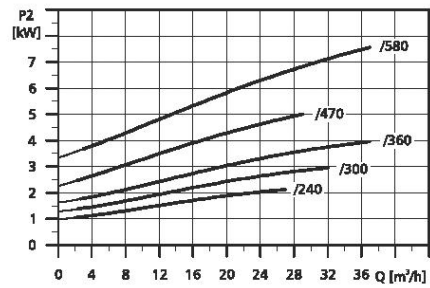
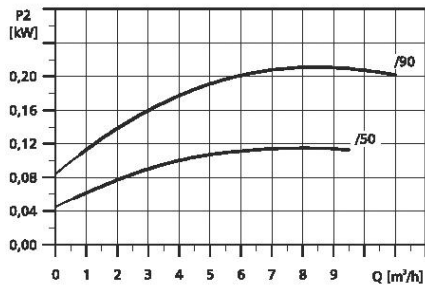
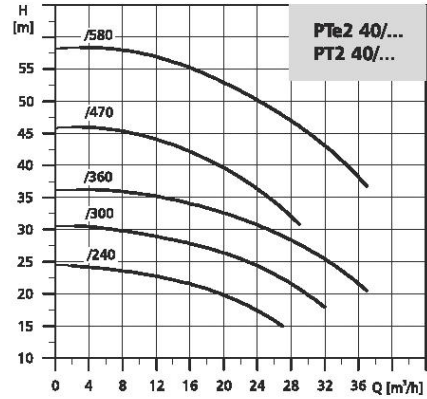
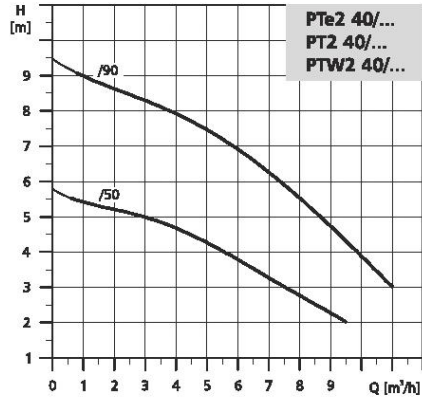
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
1,1	1x200-240	2900	7,1-6,6	1x230-240	2900	-	0,98-0,99	7,4/6,7	3,9/3,9
1,1	3x380-480	2900	2,6-2,3	3x230-240/400-415	2900	80,7	0,83-0,76	4,35-2,5	4,5-5,0
1,5	-	-	-	1x230-240	2900	72-74	0,98-0,99	9,9/8,9	3,9/3,9
1,5	3x380-480	2900	3,3-2,7	3x230-240/400-415	2900	84,2	0,87-0,82	5,45/3,15	8,5-9,3
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
3,0	3x380-480	2900	6,2-5,0	3x230-240/400-415	2900	87,1	0,87-0,82	11,0/6,3	8,4-9,2
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,6/7,9	10-11,1
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8

Silniki pomp:

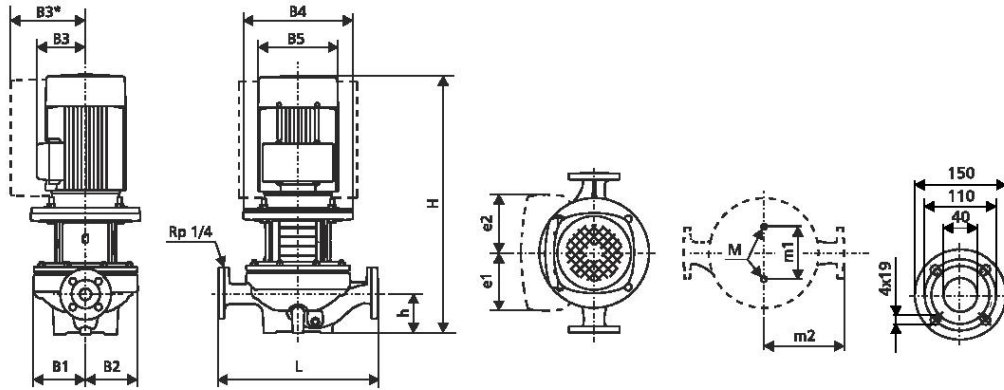
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 40/50 M	0.37	250	364	55	75	75	140	-	141	105	105	-	-	-	17	-
PTe2 40/90 M	0.25	250	364	55	75	75	141	-	141	105	105	-	-	-	17	-
PTe2 40/240	2.2	340	587	100	130	117	167	200	178	132	132	144	170	M16	58	-
PTe2 40/300	3.0	340	629	100	130	117	177	250	198	132	132	144	170	M16	66	-
PTe2 40/360	4.0	340	666	100	130	117	188	250	220	145	145	144	170	M16	73	-
PTe2 40/470	5.5	440	726	110	149	144	188	300	220	145	145	144	220	M16	95	-
PTe2 40/580	7.5	440	714	110	149	144	213	300	260	145	145	144	220	M16	106	-
PT2 40/50 M	0.12	250	353	55	75	75	101	-	118	-	-	-	-	-	12	13
PT2 40/50	0.12	250	353	55	75	75	101	-	118	-	-	-	-	-	12	13
PT2 40/90 M	0.25	250	383	55	75	75	111	-	139	-	-	-	-	-	12	13
PT2 40/90	0.25	250	353	55	75	75	101	-	118	-	-	-	-	-	12	13
PT2 40/240	2.2	340	587	100	130	117	110	200	178	-	-	144	170	M16	53	-
PT2 40/300	3.0	340	629	100	130	117	120	250	198	-	-	144	170	M16	65	-
PT2 40/360	4.0	340	666	100	130	117	134	250	220	-	-	144	170	M16	70	-
PT2 40/470	5.5	440	726	110	149	144	134	300	220	-	-	144	220	M16	90	-
PT2 40/580	7.5	440	714	110	149	144	159	300	260	-	-	144	220	M16	104	-

## DANE ELEKTRYCZNE

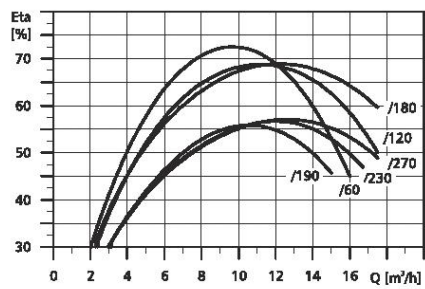
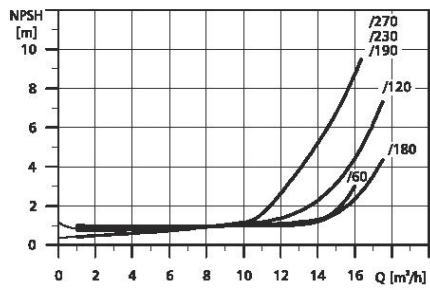
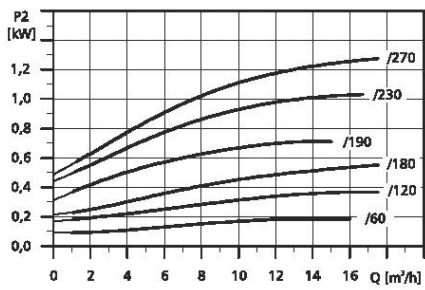
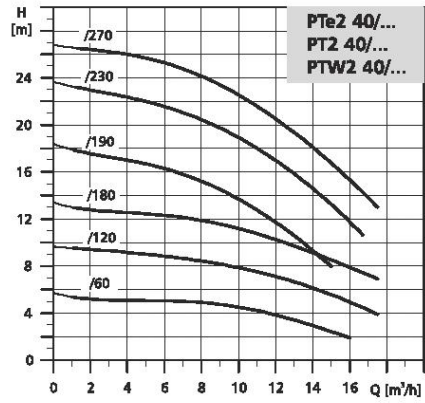
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,12	-	-	-	1x230-240	2900	65	0,99	1,05	3,2-3,6
0,12	-	-	-	3x230-240/400-415	2900	71	0,8-0,72	0,59/0,34	4,2-4,6
0,25	-	-	-	1x230-240	2900	58	0,99	2,05/2	-
0,25	-	-	-	3x230-240/400-415	2900	73	0,81-0,72	1,18/0,68	4,0-4,4
0,37	1x220-240	2900	3,1-2,6	-	-	-	-	-	-
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
3,0	3x380-480	2900	6,2-5,0	3x230-240/400-415	2900	87,1	0,87-0,82	11,0/6,3	8,4-9,2
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,6/7,9	10-11,1
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8
7,5	3x380-480	2900	14,8-11,6	3x230-240/400-415	2900	90,4	0,88-0,82	14,4-14,0/8,3-8,1	7,8-9,1

Silniki pomp:

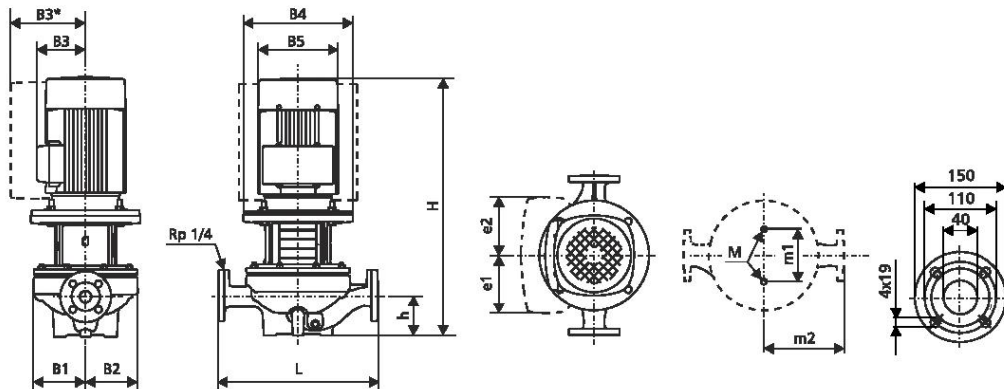
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 40/60 M	0,37	250	395	67	75	75	140	-	141	105	105	80	125	M12	23	-
PTe2 40/120 M	0,37	250	388	67	75	75	140	-	141	105	105	80	125	M12	22	-
PTe2 40/180 M	0,55	250	390	68	100	100	141	-	141	105	105	80	125	M12	29	-
PTe2 40/190 M	0,75	320	320	68	102	102	140	-	141	105	105	120	160	M12	44	-
PTe2 40/190	0,75	320	490	68	102	102	167	-	178	132	132	120	160	M12	44	-
PTe2 40/230 M	1,1	320	439	68	102	102	140	-	141	105	105	120	160	M12	46	-
PTe2 40/230	1,1	320	490	68	102	102	167	-	178	132	132	120	160	M12	46	-
PTe2 40/270	1,5	320	500	68	102	102	167	-	178	132	132	120	160	M12	37	-
PTZ 40/60 M	0,25	250	387	67	75	75	133	-	141	-	-	80	125	M12	20	22
PTZ 40/60	0,25	250	366	67	75	75	109	-	141	-	-	80	125	M12	20	22
PTZ 40/120 M	0,37	250	387	67	75	75	133	-	141	-	-	80	125	M12	20	22
PTZ 40/120	0,37	250	387	67	75	75	109	-	141	-	-	80	125	M12	20	22
PTZ 40/180 M	0,55	250	442	68	100	100	133	-	141	-	-	80	125	M12	24	26
PTZ 40/180	0,55	250	390	68	100	100	109	-	141	-	-	80	125	M12	24	26
PTZ 40/190M	0,75	320	439	68	102	102	133	-	141	-	-	120	160	M12	29	32
PTZ 40/190	0,75	320	439	68	102	102	109	-	141	-	-	120	160	M12	29	32
PTZ 40/230 M	1,1	320	499	68	102	102	139	-	178	-	-	120	160	M12	36	41
PTZ 40/230	1,1	320	510	68	102	102	109	-	141	-	-	120	160	M12	36	41
PTZ 40/270 M	1,5	320	539	68	102	102	139	-	178	-	-	120	160	M12	39	43
PTZ 40/270	1,5	320	500	68	102	102	110	-	178	-	-	120	160	M12	39	43

## DANE ELEKTRYCZNE

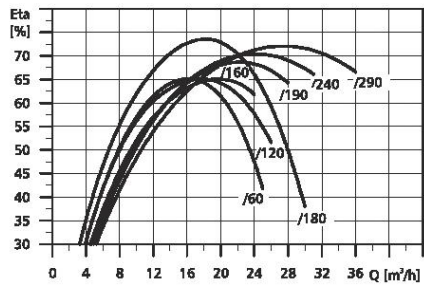
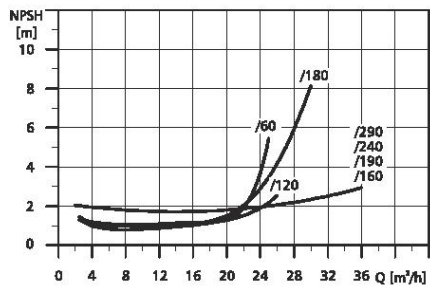
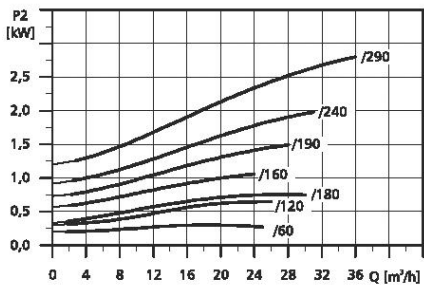
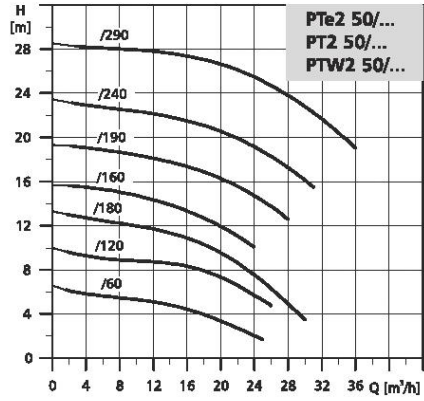
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,25	-	-	-	1x230-240	2900	58	0,99	2,05/2	-
0,25	-	-	-	3x230-240/400-415	2900	73	0,81-0,72	1,18/0,68	4,0-4,4
0,37	1x200-240	2900	3,1-2,6	1x230-240	2900	60	0,99	2,95/2,7	2,8
0,37	-	-	-	3x230-240/400-415	2900	78,5	0,8-0,7	1,74/1	4,9-5,3
0,55	1x200-240	2900	3,9-3,6	1x230-240	2900	66	0,99	4/3,65	2,8
0,55	-	-	-	3x230-240/400-415	2900	80	0,8-0,7	2,5/1,44	1,9
0,75	1x200-240	2900	5,1-4,7	1x230-240	2900	69	0,99	5,1/4,75	3,00
0,75	3x380-480	2900	2,0-1,8	3x230-240/400-415	2900	80,7	0,81-0,71	3,3/1,9	5,8-6,2
1,1	1x200-240	2900	7,1-6,6	1x230-240	2900	-	0,98-0,99	7,4/6,7	3,9/3,9
1,1	3x380-480	2900	2,6-2,3	3x230-240/400-415	2900	80,7	0,83-0,76	4,35-2,5	4,5-5,0
1,5	-	-	-	1x230-240	2900	72-74	0,98-0,99	9,9/8,	3,9/3,9
1,5	3x380-480	2900	3,3-2,7	3x230-240/400-415	2900	84,2	0,97-0,82	5,45/3,15	8,5-9,3

Silniki pomp:

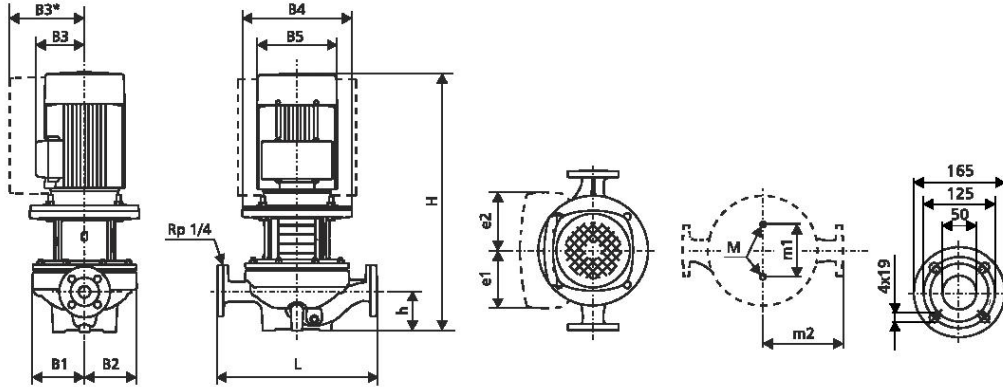
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 50/60 M	0,37	280	403	75	90	75	140	105	141	105	105	120	140	M12	24	-
PTe2 50/120 M	0,75	280	442	75	100	100	140	120	141	105	105	120	140	M12	40	-
PTe2 50/120	0,75	280	491	75	100	100	140	120	178	132	105	120	140	M12	40	-
PTe2 50/160 M	1,1	340	498	115	117	117	140	200	178	105	105	144	170	M16	53	-
PTe2 50/160	1,1	340	548	115	117	117	140	200	141	132	105	144	170	M16	53	-
PTe2 50/180 M	0,75	280	441	75	100	100	140	200	141	105	105	120	140	M12	41	-
PTe2 50/180	0,75	280	491	75	100	100	140	200	178	132	105	120	140	M12	41	-
PTe2 50/190	1,5	340	548	115	117	117	167	200	178	132	132	144	170	M16	54	-
PTe2 50/240	2,2	340	588	115	117	117	167	200	178	132	132	144	170	M16	59	-
PTe2 50/290	3,0	340	630	115	117	117	177	250	198	132	132	144	170	M16	67	-
PT2 50/60 M	0,37	280	403	75	90	75	133	105	141	-	-	120	140	M12	20	22
PT2 50/60	0,37	280	403	75	90	75	133	105	141	-	-	120	140	M12	20	22
PT2 50/120 M	0,75	280	441	75	100	100	133	120	141	-	-	120	140	M12	28	31
PT2 50/120	0,75	280	441	75	100	100	133	120	141	-	-	120	140	M12	28	31
PT2 50/160 M	1,1	340	518	115	117	117	109	200	141	-	-	144	170	M16	47	-
PT2 50/160	1,1	340	518	115	117	117	109	200	141	-	-	144	170	M16	47	-
PT2 50/180 M	0,75	280	441	75	100	100	133	200	141	-	-	120	140	M12	28	32
PT2 50/180	0,75	280	441	75	100	75	109	200	141	-	-	120	140	M12	28	32
PT2 50/190 M	1,5	340	548	115	117	117	110	200	141	-	-	144	170	M16	48	-
PT2 50/190	1,5	340	548	115	117	117	110	200	178	-	-	144	170	M16	48	-
PT2 50/240	2,2	340	588	115	117	117	110	200	178	-	-	144	170	M16	54	-
PT2 50/290	3,0	340	630	115	117	117	120	250	198	-	-	144	170	M16	65	-

## DANE ELEKTRYCZNE

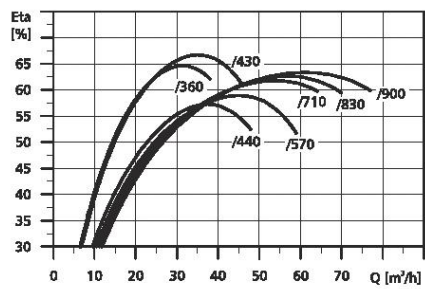
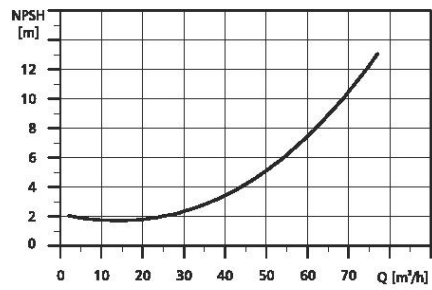
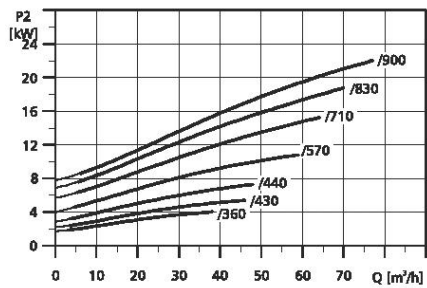
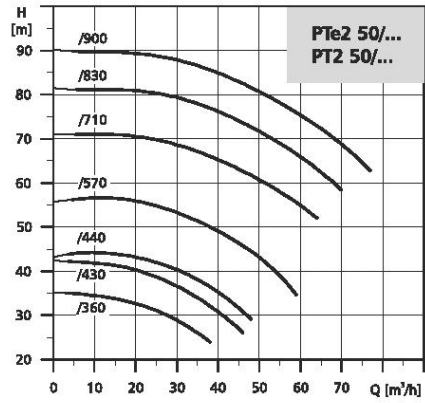
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,37	1x200-240	2900	3,1-2,6	1x230-240	2900	60	0,99	2,95/2,7	2,8
0,37	-	-	-	3x230-240/400-415	2900	78,5	0,8-0,7	1,74/1	4,9-5,3
0,75	1x200-240	2900	5,1-4,7	1x230-240	2900	69	0,99	5,1/4,75	3,0
0,75	3x380-480	2900	2,0-1,8	3x230-240/400-415	2900	80,7	0,81-0,71	3,3/1,9	5,8-6,2
1,1	1x200-240	2900	7,1-6,6	1x230-240	2900	-	0,98-0,99	7,4/6,7	3,9/3,9
1,1	3x380-480	2900	2,6-2,3	3x230-240/400-415	2900	80,7	0,83-0,76	4,35-2,5	4,5-5,0
1,5	-	-	-	1x230-240	2900	72-74	0,98-0,00	9,9/8,9	3,9/3,9
1,5	3x380-480	2900	3,3-2,7	3x230-240/400-415	2900	84,2	0,87-0,82	5,45/3,15	8,5-9,3
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
3,0	3x380-480	2900	6,2-5,0	3x230-240/400-415	2900	87,1	0,87-0,82	11,0/6,3	8,4-9,2

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

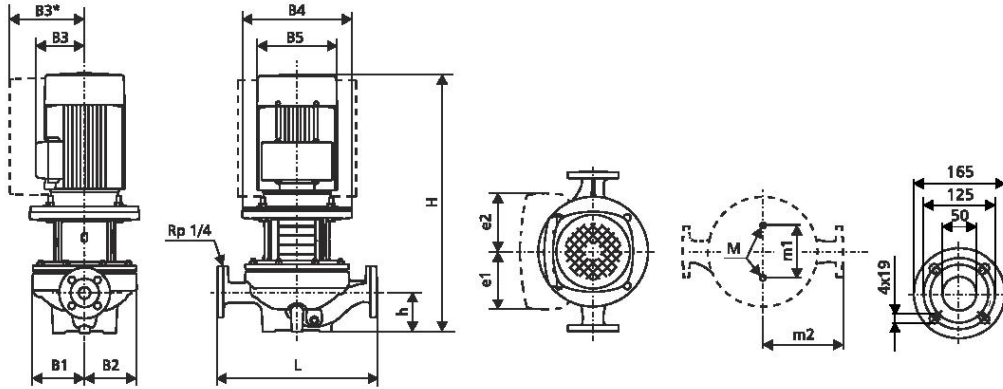
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe2 50/360	4,0	340	676	115	133	119	188	250	220	145	145	144	170	M16	74
PTe2 50/430	5,5	340	734	115	133	119	188	300	220	145	145	144	170	M16	91
PTe2 50/440	7,5	440	728	115	180	164	213	300	260	145	145	144	220	M16	114
PTe2 50/570	11,0	440	850	115	180	164	308	350	314	210	210	144	220	M16	181
PTe2 50/710	15,0	440	850	115	180	164	308	350	314	210	210	144	220	M16	184
PTe2 50/830	18,5	440	894	115	180	164	308	350	314	210	210	144	220	M16	209
PTe2 50/900	22,0	440	920	115	180	164	308	350	314	210	210	144	220	M16	222
PT2 50/360	4,0	340	676	115	133	119	134	250	220	-	-	144	170	M16	71
PT2 50/430	5,5	340	734	115	133	119	134	300	220	-	-	144	170	M16	86
PT2 50/440	7,5	440	728	115	180	164	159	300	260	-	-	144	220	M16	112
PT2 50/570	11,0	440	850	115	180	164	204	350	314	-	-	144	220	M16	149
PT2 50/710	15,0	440	850	115	180	164	204	350	314	-	-	144	220	M16	179
PT2 50/830	18,5	440	894	115	180	164	204	350	314	-	-	144	220	M16	181
PT2 50/900	22,0	440	894	115	180	164	204	350	314	-	-	144	220	M16	196

## DANE ELEKTRYCZNE

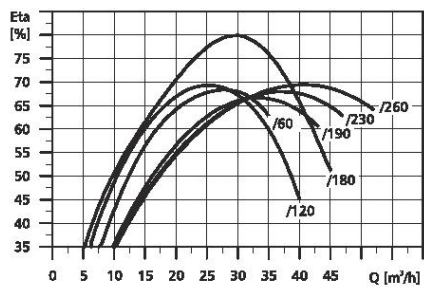
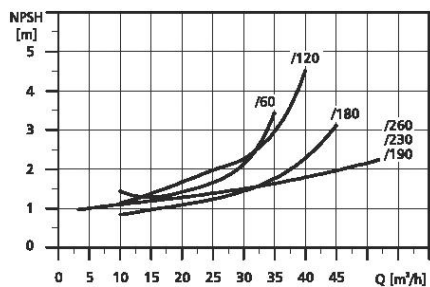
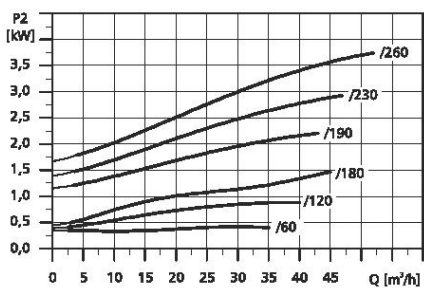
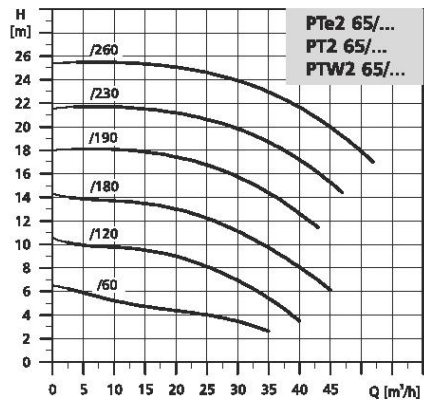
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,7,9	10-11,1
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8
7,5	3x380-480	2900	14,8-11,6	3x230-240/400-415	2900	90,4	0,88-0,82	14,4-14,0/8,3-8,1	7,8-9,1
11,0	3x380-480	2900	22,5-18,8	3x230-240/400-415	2900	91,2	0,88-0,84	20,8-19,8/12,0-11,8	6,6-7,8
15,0	3x380-480	2900	30-26,0	3x230-240/400-415	2900	91,9	0,89-0,87	28,0-26,0/16,2-15,6	6,6-7,8
18,5	3x380-480	2900	37-31,0	3x230-240/400-415	2900	92,4	0,90-0,89	34,0-31,0/19,6-18,8	7,1-8,5
22,0	3x380-480	2900	43,5-35,0	3x230-240/400-415	2900	92,7	0,9	39,5/22,8	8,3

Silniki pomp:

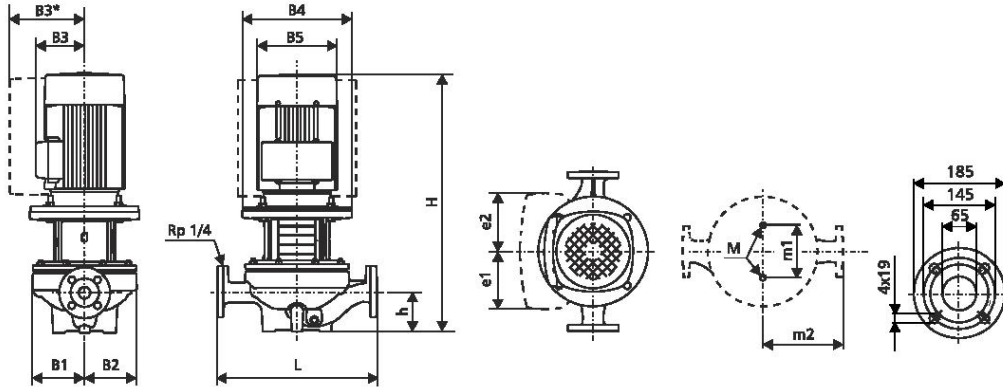
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 65/60 M	0,55	340	418	82	93	93	140	-	141	105	105	120	170	M12	30	-
PTe2 65/120 M	1,1	340	462	82	100	100	140	-	141	105	105	120	170	M12	40	-
PTe2 65/120	1,1	340	512	82	100	100	167	-	178	132	132	120	170	M12	40	-
PTe2 65/180	1,5	340	517	82	100	100	167	-	178	132	132	120	170	M12	45	-
PTe2 65/190	2,2	360	598	105	142	124	167	200	178	132	132	144	180	M16	63	-
PTe2 65/230	3,0	360	641	105	142	124	177	250	198	132	132	144	180	M16	71	-
PTe2 65/260	4,0	360	678	105	142	124	188	250	220	145	145	144	180	M16	77	-
PT2 65/60 M	0,55	340	468	82	93	93	133	-	141	-	-	120	170	M12	26	30
PT2 65/60	0,55	340	418	82	93	93	109	-	141	-	-	120	170	M12	26	30
PT2 65/120 M	1,1	340	517	82	100	100	139	-	178	-	-	120	170	M12	31	35
PT2 65/120	1,1	340	532	82	100	100	109	-	141	-	-	120	170	M12	31	35
PT2 65/180 M	1,5	340	557	82	100	100	139	-	178	-	-	120	170	M12	38	42
PT2 65/180	1,5	340	507	82	100	100	110	-	178	-	-	120	170	M12	38	42
PT2 65/190	2,2	360	598	105	142	124	110	200	178	-	-	144	180	M16	57	-
PT2 65/230	3,0	360	641	105	142	124	120	250	198	-	-	144	180	M16	69	-
PT2 65/260	4,0	360	678	105	142	124	134	250	220	-	-	144	180	M16	74	-

## DANE ELEKTRYCZNE

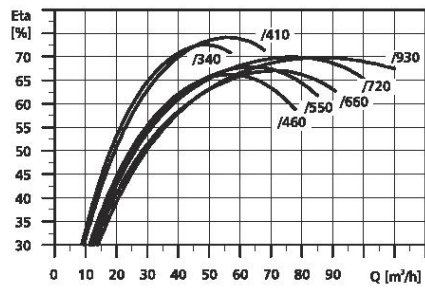
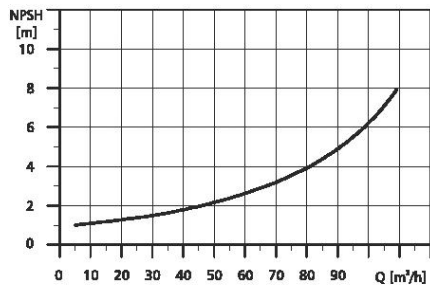
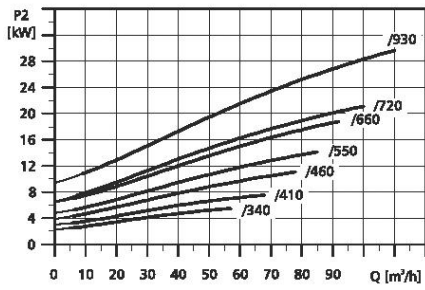
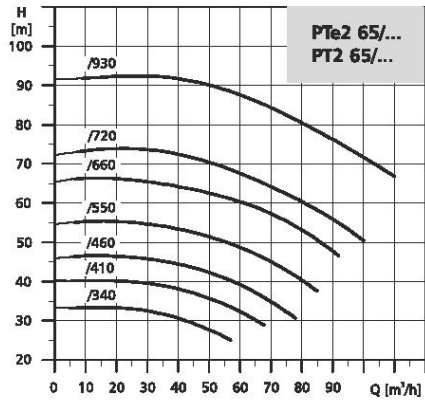
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
0,55	1x200-240	2900	3,9-3,6	1x230-240	2900	66	0,99	4/3,65	2,8
0,55	-	-	-	3x230-240/400-415	2900	80	0,8-0,7	2,5/1,44	1,9
1,1	1x200-240	2900	7,1-6,6	1x230-240	2900	-	0,98-0,99	7,4/6,7	3,9/3,9
1,1	3x380-480	2900	2,6-2,3	3x230-240/400-415	2900	80,7	0,83-0,76	4,35-2,5	4,5-5,0
1,5	-	-	-	1x230-240	2900	72-74	0,98-0,99	9,9/8,9	3,9/3,9
1,5	3x380-480	2900	3,3-2,7	3x230-240/400-415	2900	84,2	0,87-0,82	5,45/3,15	8,5-9,3
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
3,0	3x380-480	2900	6,2-5,0	3x230-240/400-415	2900	87,1	0,87-0,82	11,0/6,3	8,4-9,2
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,6/7,9	10-11,1

Silniki pomp:

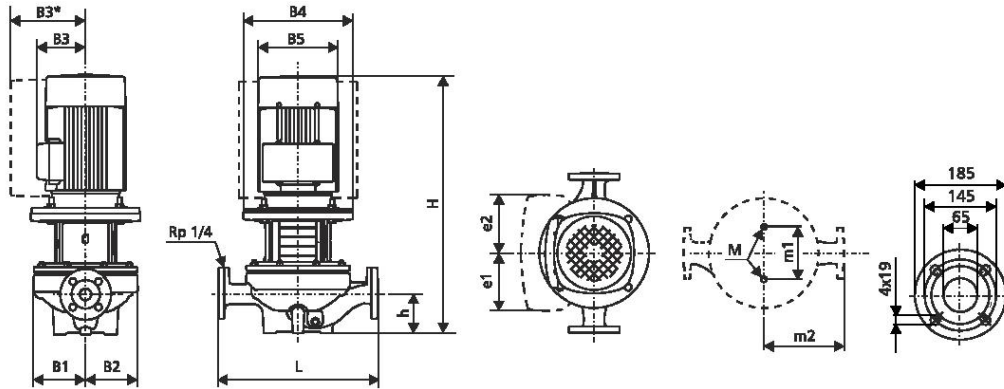
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe2 65/340	5,5	360	735	105	142	124	188	300	220	145	145	144	180	M16	93
PTe2 65/410	7,5	360	723	105	142	124	213	300	260	145	145	144	180	M16	105
PTe2 65/460	11,0	475	859	125	178	164	308	350	314	210	210	144	238	M16	182
PTe2 65/550	15,0	475	859	125	178	164	308	350	314	210	210	144	238	M16	185
PTe2 65/660	18,5	475	903	125	178	164	308	350	314	210	210	144	238	M16	210
PTe2 65/720	22,0	475	929	125	178	164	308	350	314	210	210	144	238	M16	223
PTZ 65/340	5,5	360	735	105	142	124	134	300	220	-	-	144	180	M16	89
PTZ 65/410	7,5	360	723	105	142	124	159	300	260	-	-	144	180	M16	103
PTZ 65/460	11,0	475	859	125	178	164	204	350	314	-	-	144	238	M16	151
PTZ 65/550	15,0	475	859	125	178	164	204	350	314	-	-	144	238	M16	180
PTZ 65/660	18,5	475	903	125	178	164	204	350	314	-	-	144	238	M16	182
PTZ 65/720	22,0	475	903	125	178	164	204	350	314	-	-	144	238	M16	197
PTZ 65/930	30,0	475	999	125	178	164	315	400	407	-	-	144	238	M16	345

## DANE ELEKTRYCZNE

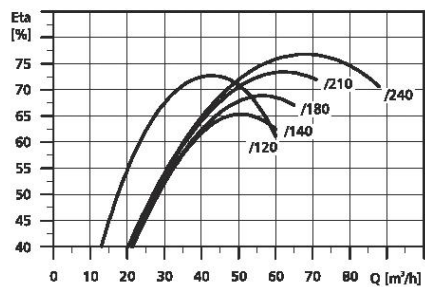
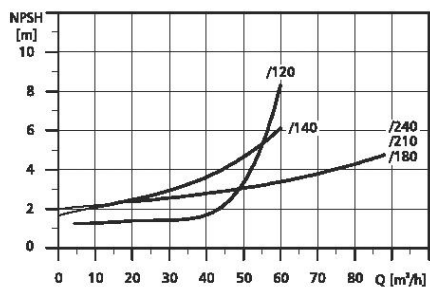
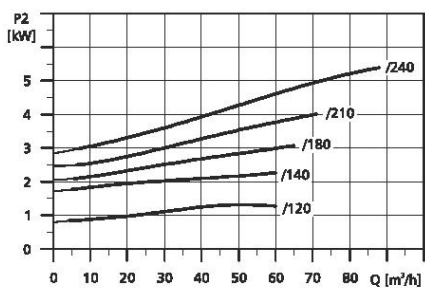
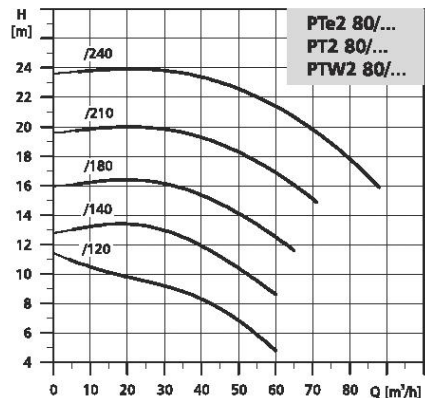
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8
7,5	3x380-480	2900	14,8-11,6	3x230-240/400-415	2900	90,4	0,88-0,82	14,4-14,0/8,3-8,1	7,8-9,1
11,0	3x380-480	2900	22,5-18,8	3x230-240/400-415	2900	91,2	0,88-0,84	20,8-19,8/12,0-11,8	6,6-7,8
15,0	3x380-480	2900	30-26,0	3x230-240/400-415	2900	91,9	0,89-0,87	28,0-26,0/16,2-15,6	6,6-7,8
18,5	3x380-480	2900	37-31,0	3x230-240/400-415	2900	92,4	0,09-0,89	34,0-31,0/19,6-18,8	7,1-8,5
22,0	3x380-480	2900	43,5-35,0	3x230-240/400-415	2900	92,7	0,9	39,5/22,8	8,3
30,0	-	-	-	3x230-240/400-415	2900	93,5	0,88	55,0-51,0/31,5-30,0	7,9

Silniki pomp:

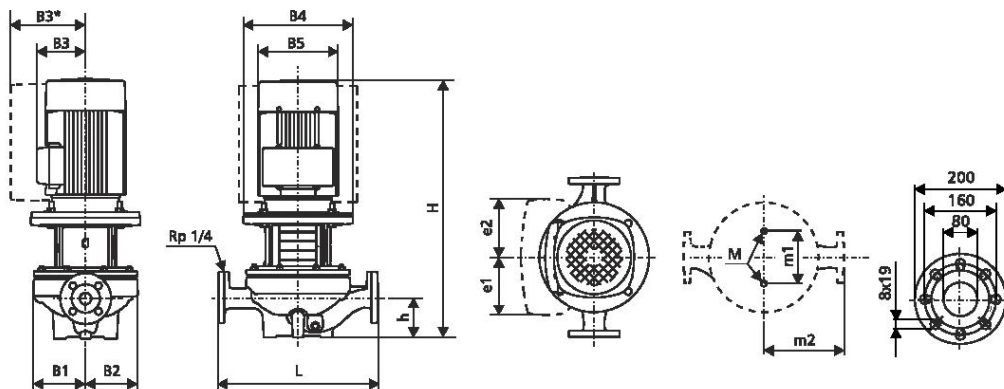
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]												Masa [kg]		
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 80/120 PN6	1,5	360	541	97	120	100	167	135	178	132	132	160	180	M16	52	-
PTe2 80/120 PN10	1,5	360	541	97	120	100	167	135	178	132	132	144	180	M16	52	-
PTe2 80/140	2,2	360	602	105	125	119	167	200	178	132	132	144	180	M16	66	-
PTe2 80/180	3,0	360	644	105	125	119	177	250	198	132	132	144	180	M16	74	-
PTe2 80/210	4,0	360	681	105	125	119	188	250	220	145	145	144	180	M16	80	-
PTe2 80/240	5,5	360	739	105	125	119	188	300	220	145	145	144	180	M16	97	-
PT2 80/120 M PN6	1,5	360	581	97	120	100	139	135	178	-	-	144	180	M16	43	47
PT2 80/120 M PN10	1,5	360	581	97	120	100	139	135	178	-	-	144	180	M16	43	47
PT2 80/120 PN6	1,5	360	581	97	120	119	139	135	178	-	-	144	180	M16	43	47
PT2 80/120 PN10	1,5	360	581	97	120	119	139	135	178	-	-	144	180	M16	43	47
PT2 80/140	2,2	360	602	105	125	119	110	200	178	-	-	144	180	M16	61	-
PT2 80/180	3,0	360	644	105	125	119	120	250	198	-	-	144	180	M16	65	-
PT2 80/210	4,0	360	681	105	125	119	134	250	220	-	-	144	180	M16	78	-
PT2 80/240	5,5	360	739	105	125	119	134	300	220	-	-	144	180	M16	93	-

## DANE ELEKTRYCZNE

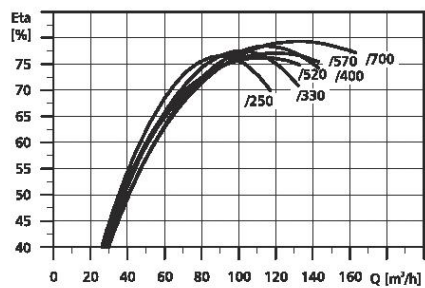
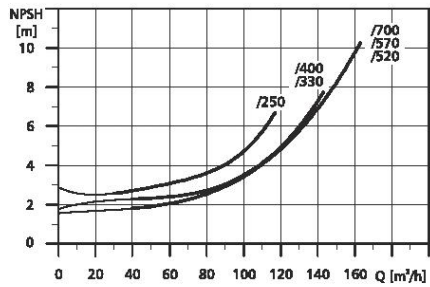
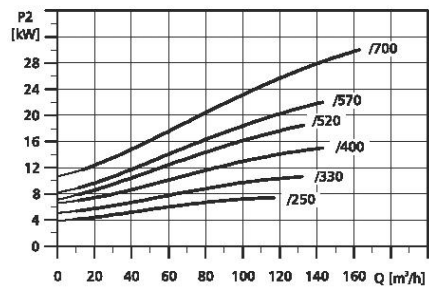
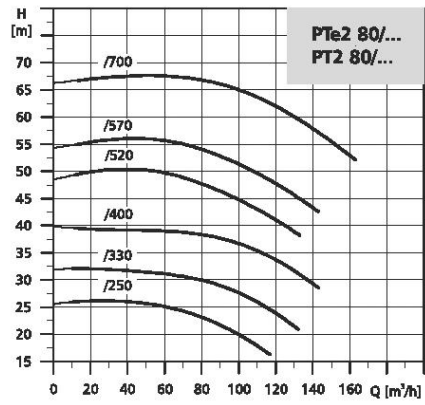
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/In [A]
1,5	-	-	-	1x230-240	2900	72-74	0,98-0,99	9,9/8,9	3,9/3,9
1,5	3x380-480	2900	3,3-2,7	3x230-240/400-415	2900	84,2	0,87-0,82	5,45/3,15	8,5-9,3
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
3,0	3x380-480	2900	6,2-5,0	3x230-240/400-415	2900	87,1	0,87-0,82	11,0/6,3	8,4-9,2
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,6/7,9	10-11,1
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8

Silniki pomp:

PTe - o regulowanej prędkości obrotowej

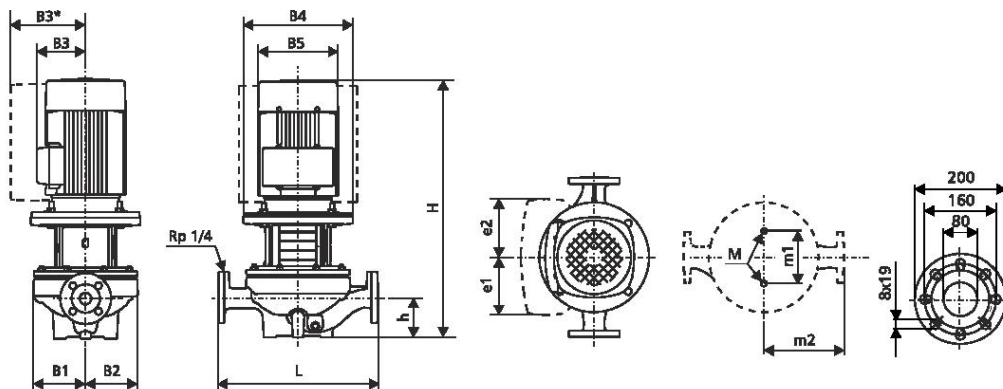
PT - stałobrotowe

## CHARAKTERYSTYKA





## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTe2 80/250	7,5	440	737	115	176	144	213	300	260	145	145	144	220	M16	115
PTe2 80/330	11,0	440	859	115	176	144	308	350	314	210	210	144	220	M16	181
PTe2 80/400	15,0	440	859	115	176	144	308	350	314	210	210	144	220	M16	185
PTe2 80/520	18,5	500	903	115	187	162	308	350	314	210	210	144	250	M16	215
PTe2 80/570	22,0	500	929	115	187	144	308	350	314	210	210	144	250	M16	228
PTZ 80/250	7,5	440	737	115	176	144	159	300	260	-	-	144	220	M16	101
PTZ 80/330	11,0	440	859	115	176	144	204	350	314	-	-	144	220	M16	148
PTZ 80/400	15,0	440	859	115	176	144	204	350	314	-	-	144	220	M16	160
PTZ 80/520	18,5	500	903	115	187	162	204	350	314	-	-	144	250	M16	176
PTZ 80/570	22,0	500	903	115	187	162	204	350	314	-	-	144	250	M16	205
PTZ 80/700	30,0	500	999	115	187	162	315	400	402	-	-	144	250	M16	350

## DANE ELEKTRYCZNE

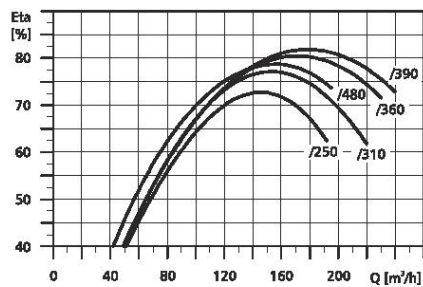
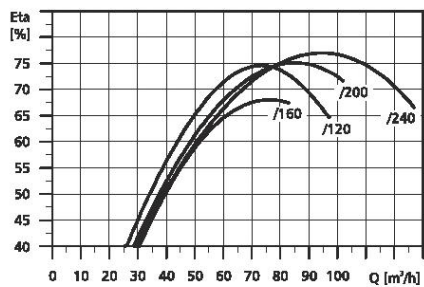
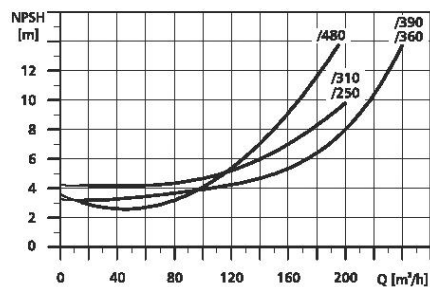
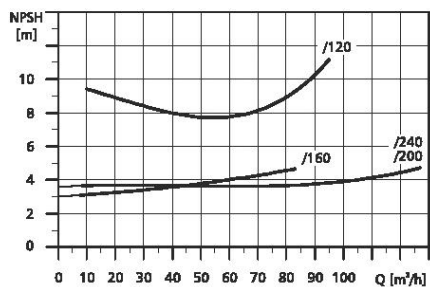
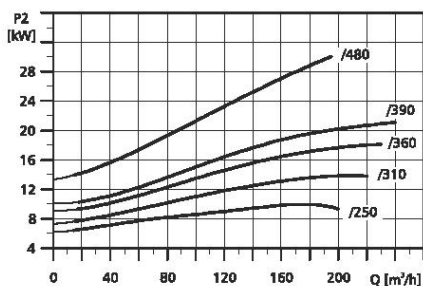
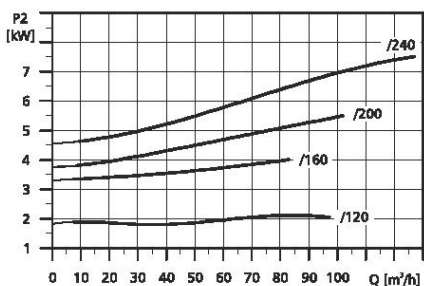
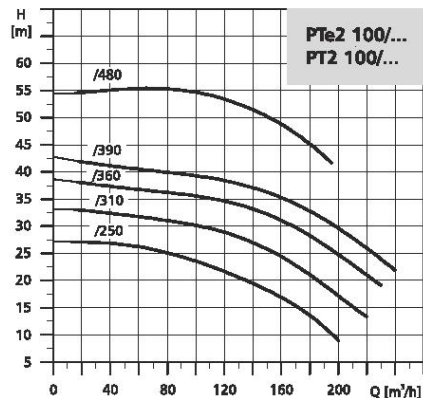
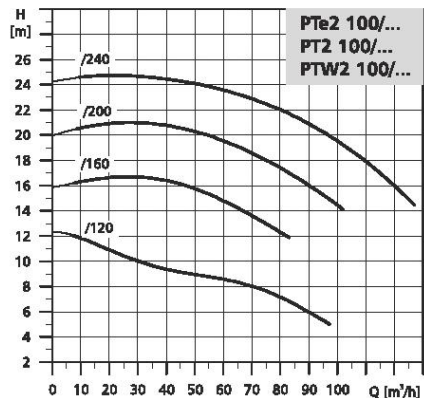
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
7,5	3x380-480	2900	14,8-11,6	3x230-240/400-415	2900	90,4	0,88-0,82	14,4-14,0/8,3-8,1	7,8-9,1
11,0	3x380-480	2900	22,5-18,8	3x230-240/400-415	2900	91,2	0,88-0,84	20,8-19,8/12,0-11,8	6,6-7,8
15,0	3x380-480	2900	30-26,0	3x230-240/400-415	2900	91,9	0,89-0,87	28,0-26,0/16,2-15,6	6,6-7,8
18,5	3x380-480	2900	37-31,0	3x230-240/400-415	2900	92,4	0,90-0,89	34,0-31,0/19,6-18,8	7,1-8,5
22,0	3x380-480	2900	43,5-35,0	3x230-240/400-415	2900	92,7	0,9	39,5/22,8	8,3
30,0	-	-	-	3x230-240/400-415	2900	93,5	0,88	55,0-51,0/31,5-30,0	7,0

Silniki pomp:

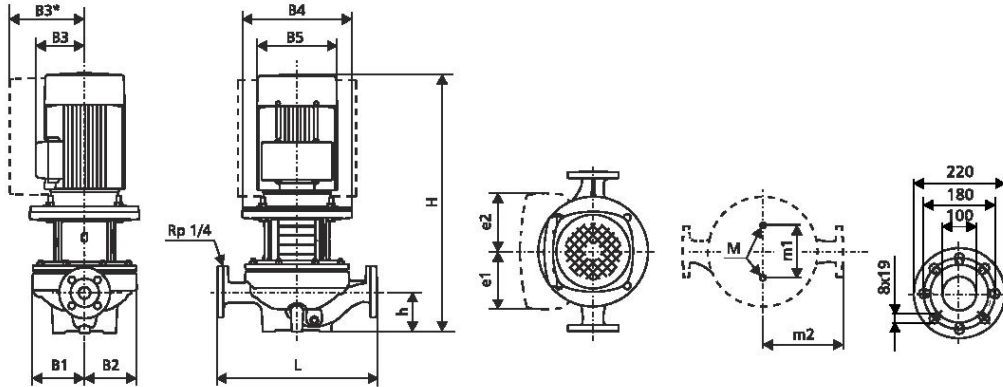
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



B3\* - dotyczy pomp PTe

TYP POMPY	Moc silnika	Wymiary [mm]											Masa [kg]			
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	PT...	PTW...
PTe2 100/120 PN6	2,2	450	613	107	125	100	167	-	178	132	132	160	225	M16	61	-
PTe2 100/120 PN10	2,2	450	613	107	125	100	167	-	178	132	132	160	225	M16	61	-
PTe2 100/160	4,0	500	718	140	124	156	188	-	220	145	145	144	250	M16	95	-
PTe2 100/200	5,5	500	776	140	124	156	188	-	220	145	145	144	250	M16	112	-
PTe2 100/240	7,5	500	764	140	124	156	188	-	260	145	145	144	250	M16	127	-
PTe2 100/250	11,0	550	881	140	190	151	308	-	314	210	210	230	275	M16	206	-
PTe2 100/310	15,0	550	881	140	151	190	417	-	314	148	148	230	275	M16	209	-
PTe2 100/360	18,5	550	925	140	151	190	417	-	314	148	148	230	275	M16	234	-
PTe2 100/390	22,0	550	951	140	190	151	308	-	314	210	210	230	275	M16	247	-
PT2 100/120 PN6	2,2	450	613	107	100	125	110	-	178	-	-	160	225	M16	53	58
PT2 100/120 PN10	2,2	450	613	107	100	125	110	-	178	-	-	160	225	M16	53	58
PT2 100/160	4,0	500	718	140	156	124	134	250	220	-	-	144	250	M16	93	-
PT2 100/200	5,5	500	776	140	156	124	134	300	220	-	-	144	250	M16	108	-
PT2 100/240	7,5	500	764	140	156	124	134	300	260	-	-	144	250	M16	122	-
PT2 100/250	11,0	550	881	140	190	151	241	350	314	-	-	230	275	M16	175	-
PT2 100/310	15,0	550	881	140	190	151	241	350	314	-	-	230	275	M16	204	-
PT2 100/360	18,0	550	925	140	190	151	241	350	314	-	-	230	275	M16	207	-
PT2 100/390	22,0	550	925	140	190	151	285	350	336	-	-	230	275	M16	221	-
PT2 100/480	30,0	550	1058	140	201	173	341	400	407	-	-	230	275	M16	384	-

## DANE ELEKTRYCZNE

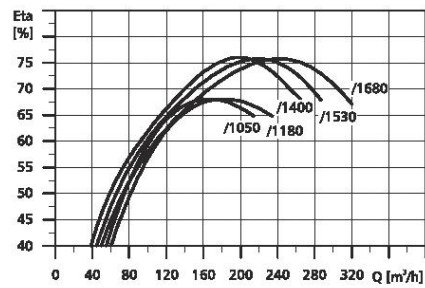
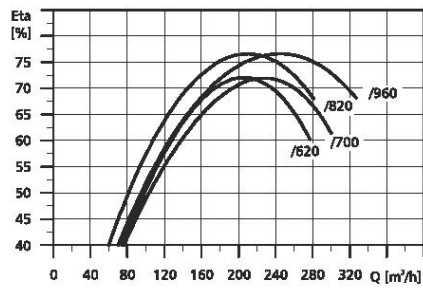
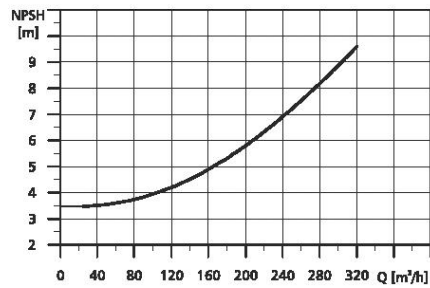
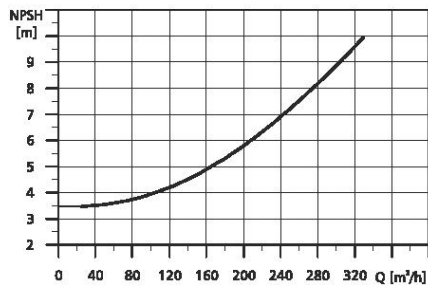
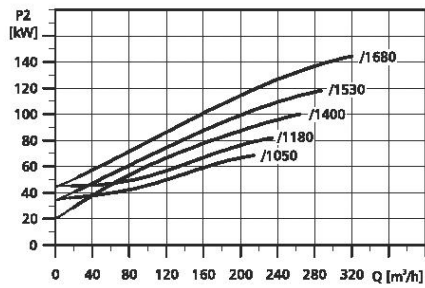
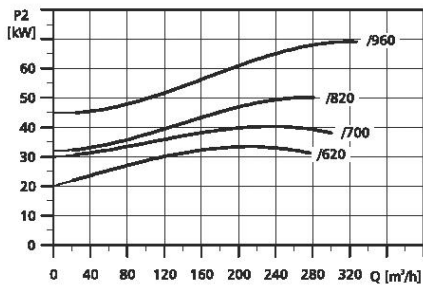
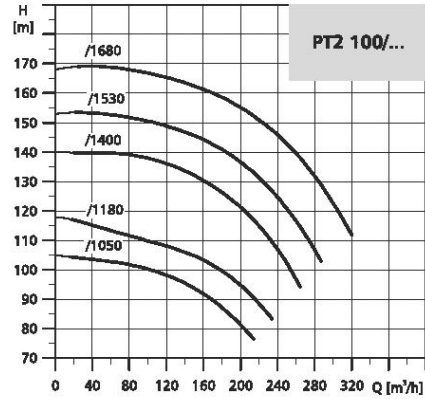
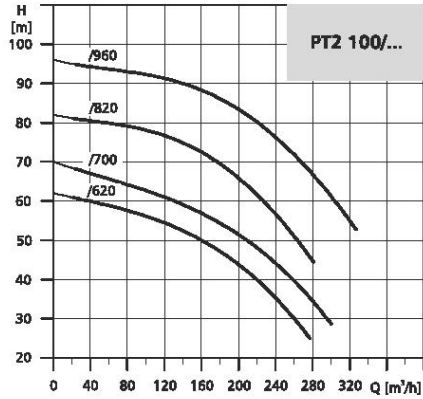
Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...					
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]
2,2	3x380-480	2900	4,6-3,8	3x230-240/400-415	2900	85,9	0,89-0,87	7,70/4,45	8,5-9,3
4,0	3x380-480	2900	8,1-6,6	3x230-240/400-415	2900	88,1	0,87	13,67,9	10-11,1
5,5	3x380-480	2900	11,0-8,8	3x230-240/400-415	2900	89,2	0,87-0,82	11,0	10,8-11,8
7,5	3x380-480	2900	14,8-11,6	3x230-240/400-415	2900	90,4	0,88-0,82	14,4-14,0/8,3-8,1	7,8-9,1
11,0	3x380-480	2900	22,5-18,8	3x230-240/400-415	2900	91,2	0,88-0,84	20,8-19,8/12,0-11,8	6,6-7,8
15,0	3x380-480	2900	30-26,0	3x230-240/400-415	2900	91,9	0,89-0,87	28,0-26,0/16,2-15,6	6,6-7,8
18,5	3x380-480	2900	37-31,0	3x230-240/400-415	2900	92,4	0,90-0,89	34,0-31,0/19,6-18,8	7,1-8,5
22,0	3x380-480	2900	43,5-35,0	3x230-240/400-415	2900	92,7	0,9	39,5/22,8	8,3
30,0	-	-	-	3x230-240/400-415	2900	93,5	0,88	55,0-51,0/31,5-30,0	7,0

Silniki pomp:

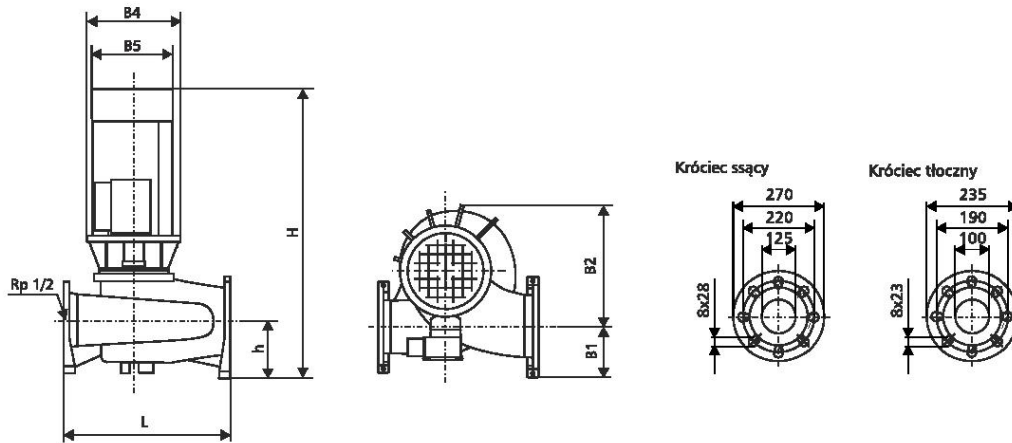
PTe - o regulowanej prędkości obrotowej

PT - stałobrotowe

## CHARAKTERYSTYKA



## DANE MONTAŻOWE



TYP POMPY	Moc silnika	Wymiary [mm]													Masa [kg]
		L	H	h	B1	B2	B3	B4	B5	e1	e2	m1	m2	M	
PTZ 100/620	37,0	543	1186	160	180	407	-	550	407	-	-	-	-	-	425
PTZ 100/700	45,0	543	1183	160	180	407	-	550	439	-	-	-	-	-	455
PTZ 100/820	55,0	543	1222	160	180	407	-	550	487	-	-	-	-	-	580
PTZ 100/960	75,0	543	1295	160	180	407	-	550	540	-	-	-	-	-	675
PTZ 100/1050	75,0	660	1290	170	180	425	-	550	540	-	-	-	-	-	730
PTZ 100/1180	90,0	660	1400	170	180	425	-	550	555	-	-	-	-	-	840
PTZ 100/1400	110,0	660	1405	170	180	425	-	800	610	-	-	-	-	-	1015
PTZ 100/1530	132,0	660	1565	170	180	425	-	800	610	-	-	-	-	-	1140
PTZ 100/1680	160,0	660	1565	170	180	425	-	800	610	-	-	-	-	-	1280

## DANE ELEKTRYCZNE

Moc silnika [kW]	Silniki pomp PTe...			Silniki pomp PT...						
	U [V]	n [min <sup>-1</sup> ]	In [A]	U [V]	n [min <sup>-1</sup> ]	η [%]	cos φ	In [A]	In/Ir [A]	
37,0	-	-	-	3x230-240/400-415	2900	94,1	0,89	67,0-63,0/38,5-36,0	7,2	
45,0	-	-	-	3x230-240/400-415	2900	94,9	0,89	77,0/44,5	7,3	
55,0	-	-	-	3x230-240/400-415	2900	95,3	0,90	93,0/53,7	6,8	
75,0	-	-	-	3x230-240/400-415	2900	95,2	0,89	128,0/73,9	7,0	
90,0	-	-	-	3x230-240/400-415	2900	95,6	0,90	150,0/86,6	7,6	
110,0	-	-	-	3x230-240/400-415	2900	95,8	0,91	182,0/105,0	6,9	
132,0	-	-	-	3x230-240/400-415	2900	96,0	0,91	220,0/127,0	7,1	
160,0	-	-	-	3x230-240/400-415	2900	96,4	0,92	260,0/150,0	7,1	

Silniki pomp:  
 PTe - o regulowanej prędkości obrotowej  
 PT - stałobrotowe