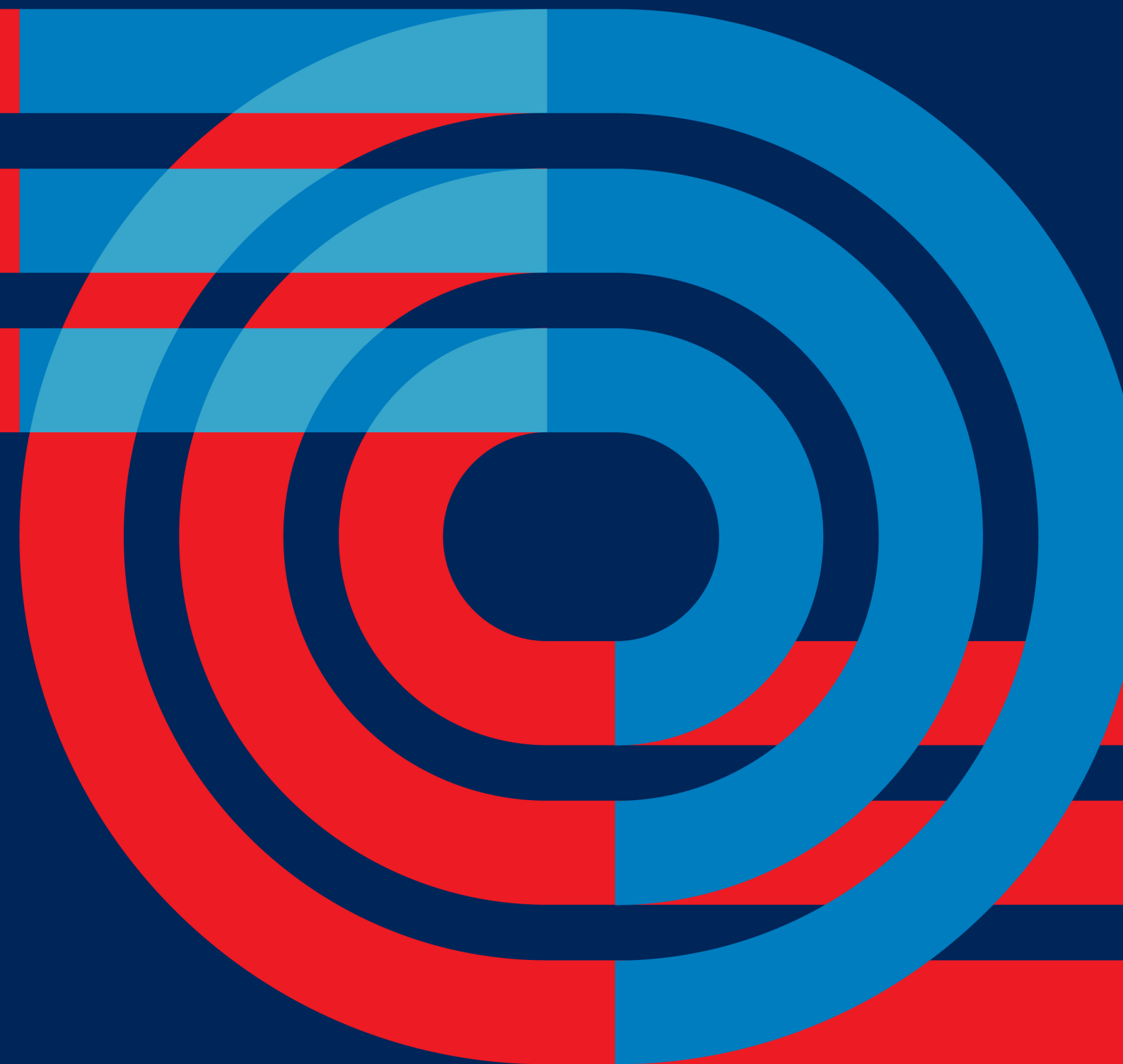


Poluaksijalne pumpe Tipa PKH



CROATIA PUMPE

Poluaksijalne pumpe Tipa PKH

Half Axial Pumps Type PKH

Nalaze najčešće primjenu kod velikih količina i malih visina dobave. Ova karakteristika »brzohodnih« pumpi, koje kod malih visina dobave rade s relativno velikim brojem okretaja, omogućuje poluaksijalnoj pumpi široko područje primjene i rad s vrlo visokim stupnjem djelovanja. Naše normalne serijske pumpe nalaze primjenu kao rashladne pumpe u energetskim postrojenjima, za navodnjavanje i odvodnjavanje, u industriji, rudarstvu i sl. Obzirom na velike poprečne presjeke, ove pumpe nisu osjetljive na nečistoće i strana tijela sadržana u mediju, ukoliko ne prekorače određenu mjeru.

Područja dobave

Standardne veličine pumpa tipa PKH pokrivaju područja dobave od 250 do 6500 m³/h, kod visina dobave od 3 do 30 m. Na dijagramu su prikazana područja dobave pojedinih veličina pumpi, kod najpodesnijih brojeva okretaja elektromotora (1450, 960, 730 i 580 min⁻¹) i frekvencije od 50 Hz. Pumpe izvan prikazanog područja nudimo na upit.

Konstruktivne karakteristike

Konstrukcija naših poluaksijalnih pumpi je veoma jednostavna, a vrlo jaki pojedini dijelovi garantiraju veliku pogonsku sigurnost svojstvenu za ovaj tip 2 pumpi. Kolo rotora, sa širokim prolaznim kanalima, učvršćeno je konzolno na jako vratilo, koje je uležišteno u kotrljajućim ležajevima, podmazivanim mašću. Kompletna pumpa stoji na dvjema jakim nogama smještenim na spiralnom kućištu. Na mjernim skicama date su glavne dimenzije pumpi, za standardne položaje tlačne priрубnice (VG, HO, KOD). Pumpe sa drugim položajem tlačne priрубnice, izrađujemo prema posebnoj narudžbi. Pored toga ove pumpe proizvodimo i s vertikalnim položajem pogonskog vratila.

Brtvenice

Za brtvljenje kućišta, na mjestu prolaza vratila, uobičajena je upotreba grafitiranih pletenica. U brtvenom prostoru smješten je također i prsten, koji omogućuje dovod brtvene vode ili masti, koja sprečava prijevremeno habanje zaštitne puškice vratila. Na poseban zahtjev mogu biti ugrađene mehaničke brtve.

Main avenue of use for these pumps is in cases of large quantities and low manometric heads. This property of high-speed pumps, which at low manometric heads work at relatively high rpm, which allows for this half axial pump a widespread area of use with a very high degree of effectiveness. Our standard PKH pumps are most often used as cooling pumps in energy installations, for irrigation and drainage, in industry, mining etc. Considering large cross sections, these pumps are able to withstand, to a certain degree, turbidities and foreign bodies in the medium.

Supply Ranges

Standard sizes of PKH pumps cover supply ranges from 250 to 6500 m³/h and total manometric heads from 3 to 30 m. Diagram shows supply ranges for each individual pump, at most apt electromotor rpm's (1450, 960, 730, 580 min⁻¹) and frequencies from 50 Hz. Pumps outside shown ranges are offered at special inquiry.

Design

Our half axial pumps are of simple design, but sturdiness of operative parts guarantee high degree of safety for this type 2 pump. Impeller, with wide lane spaces, installed as a console on a sturdy shaft mounted in roll-bearings lubricated with grease. Entire pump stands on two legs located on spiral casing. Supplied cross-sections show main dimensions of the pumps for standard positions of the discharge flange (VG, HO, KOD). Pumps with different position of discharge flange are manufactured to special order. Additionally, these pumps are also manufactured with vertical placement of the drive.

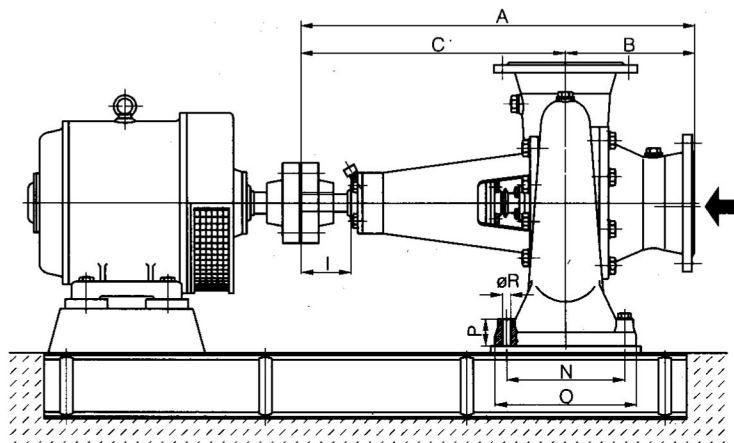
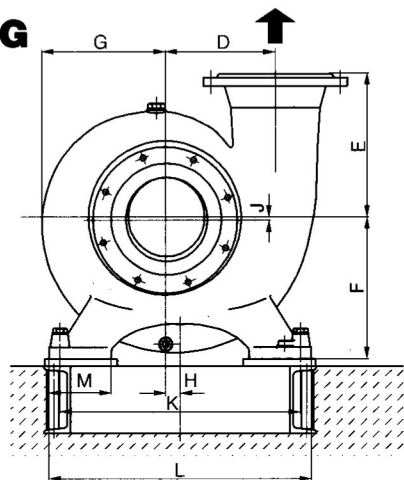
Sealing

As a sealing in position of shaft exit out of the casing graphite packing is used. In sealing space ring is installed which allows for intake of grease or water which prevents preterm wear of shaft security bush. At special request mechanical seals can be installed.

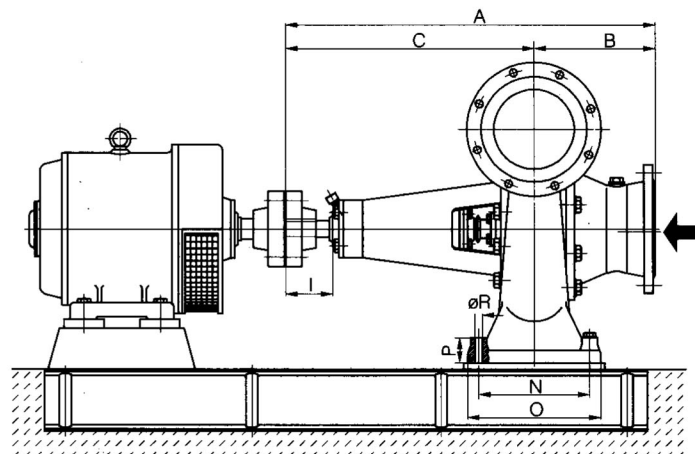
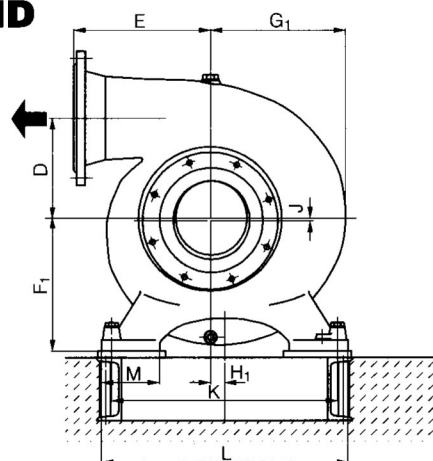
PKH		PKH 20-20	PKH 25-20	PKH 25-25	PKH 25-30	PKH 30-25	PKH 30-30	PKH 35-30	PKH 35-35	PKH 35-40	PKH 50-50	PKH 50-60	PKH 60-60	PKH 70-70
Dimenzije pumpe	Pump Dimensions	A	927	959	1035	1092	1105	1186	1412	1234	1656	1668	1899	1946
		B	300	312	330	350	376	390	445	445	568	550	710	747
		C	627	647	705	742	729	796	757	967	789	1088	1118	1189
		D	260	280	300	340	330	380	370	460	445	550	580	622
		E	340	340	400	450	380	450	500	500	700	800	900	1000
		VG	F	340	380	400	450	440	480	490	600	580	700	800
			G	295	320	335	380	375	420	420	530	500	600	665
			H	30	30	30	30	30	35	16	40	50	90	100
		HD	F ₁	305	340	370	410	390	430	450	550	512	625	720
			G ₁	322	360	370	415	420	460	470	595	565	660	753
			H ₁	25	30	30	35	30	33	35	26	35	50	65
	KDD	F ₂	310	316	340	390	365	405	420	460	470	595	665	710
		G ₂	305	340	355	400	400	436	440	565	532	625	728	785
		G ₃	340	380	390	435	445	485	495	620	595	690	850	870
		H ₂	28	40	30	40	40	43	50	58	56	50	70	75
		J	5	14	13,5	-	20	11	30	-	-	50	-	50
		K	560	600	640	660	680	760	770	910	910	1100	1280	1480
		L	620	660	700	720	740	840	850	1000	1000	1200	1400	1600
		M	150	175	175	180	180	180	225	250	250	250	240	350
		N	290	300	290	290	350	360	380	410	410	500	600	700
		O	340	360	350	350	410	440	460	500	500	600	700	800
		P	65	70	70	70	70	80	80	100	100	120	120	120
		R	23	23	23	23	23	27	27	27	27	30	30	33
Vratilo Shaft	Usisna priрубica Discharge Flange	d	45	45	50	55	50	65	55	65	65	85	85	90
		a	14	14	14	16	14	18	16	18	18	22	22	25
		h	48,5	48,5	53,5	58,8	53,5	69,2	58,8	69,2	69,2	90,6	90,6	95,3
		l	120	120	120	120	120	140	120	140	140	170	170	200
		D _s	200	250	250	250	300	300	350	350	350	500	500	600
		D ₁	340	395	395	395	445	445	505	505	505	670	670	780
	Tlačna priрубica Pressure Flange	k ₁	295	350	350	350	400	400	460	460	460	620	620	725
		d ₁	23	23	23	23	23	23	23	23	23	27	27	30
		z ₁	8	12	12	12	12	12	16	16	16	20	20	20
		D _i	200	250	250	300	250	300	350	400	400	500	600	600
		D ₂	340	395	395	445	395	445	505	565	565	670	780	780
		k ₂	295	350	350	400	350	400	460	515	515	620	725	725
		d ₂	23	23	23	23	23	23	23	23	27	27	30	30
		z ₂	8	12	12	12	12	12	16	16	16	20	20	20

Dimenzije u mm (neobavezne)
Dimensions in mm (non-compulsory)

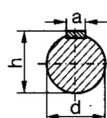
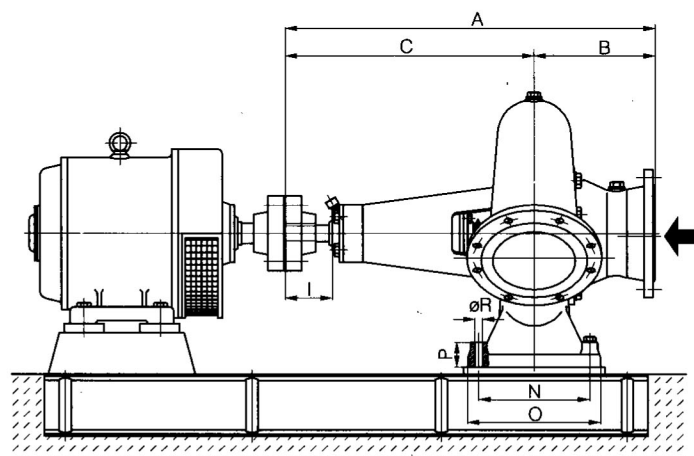
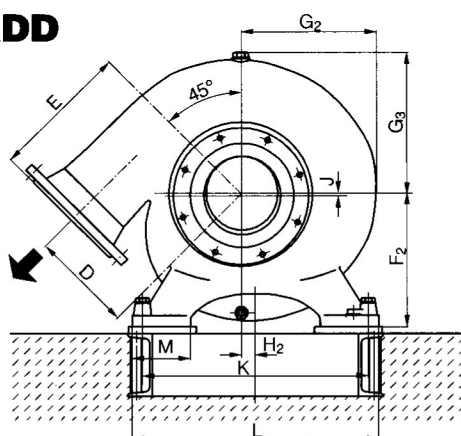
VG



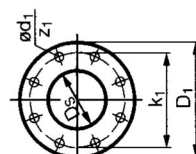
HD



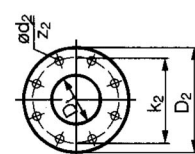
KDD



Vratilo
Shaft



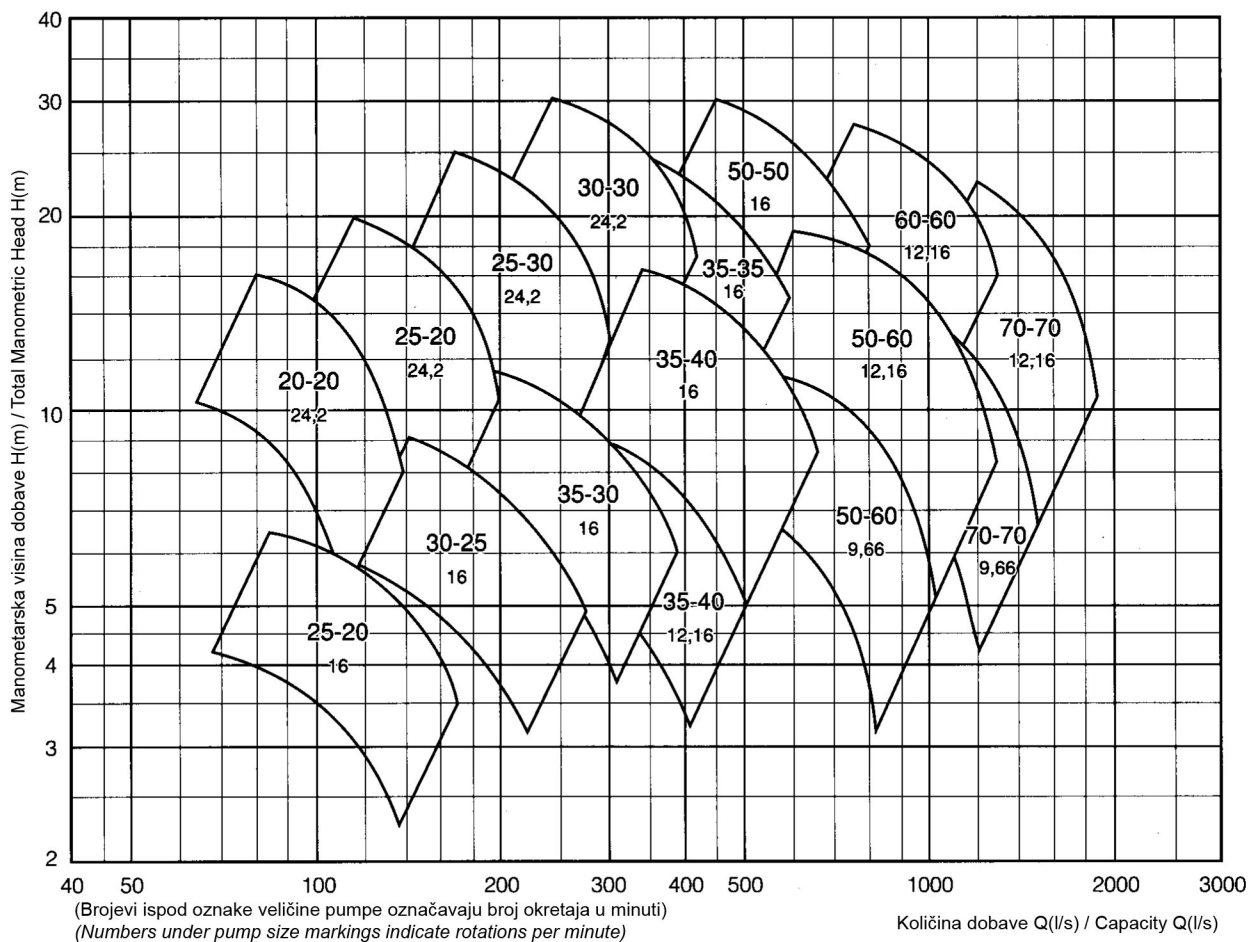
Tlačna priрубnica
Pressure Flange



Usisna priрубnica
Discharge Flange

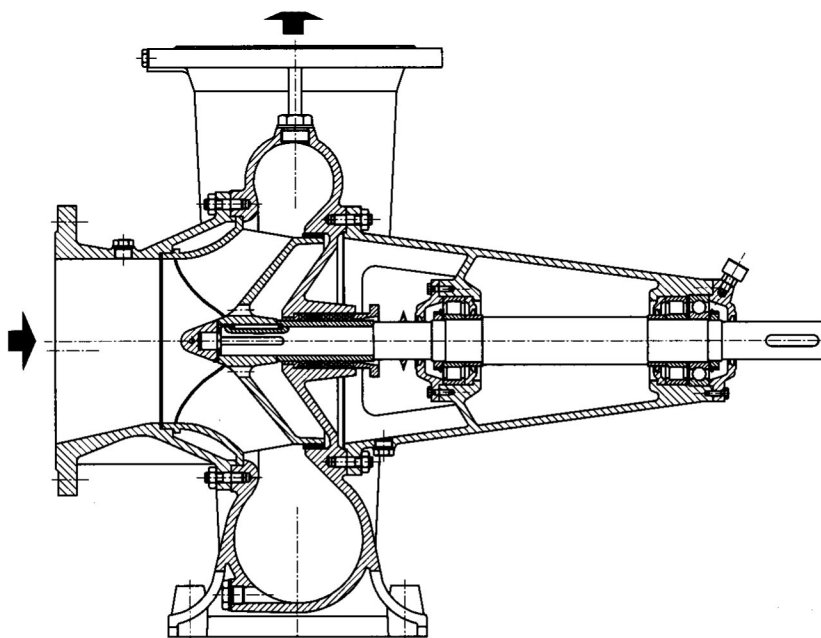
**Područja dobave
pumpi tipa PKH**

**Ranges Of Supply –
Pumps Type PKH**



Poluaksijalna konzolna pumpa tipa PKH

Half-axial console pump type PKH

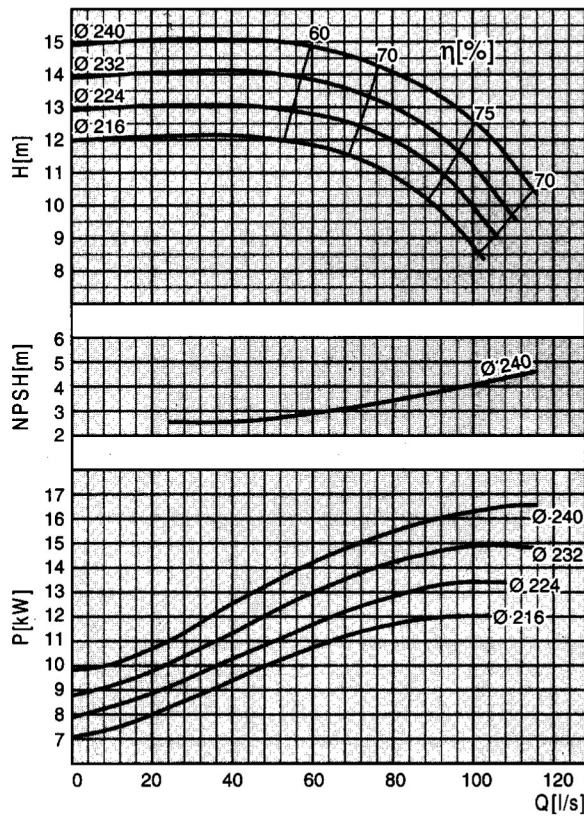


Pojedinačni dijagrami

Single Diagrams

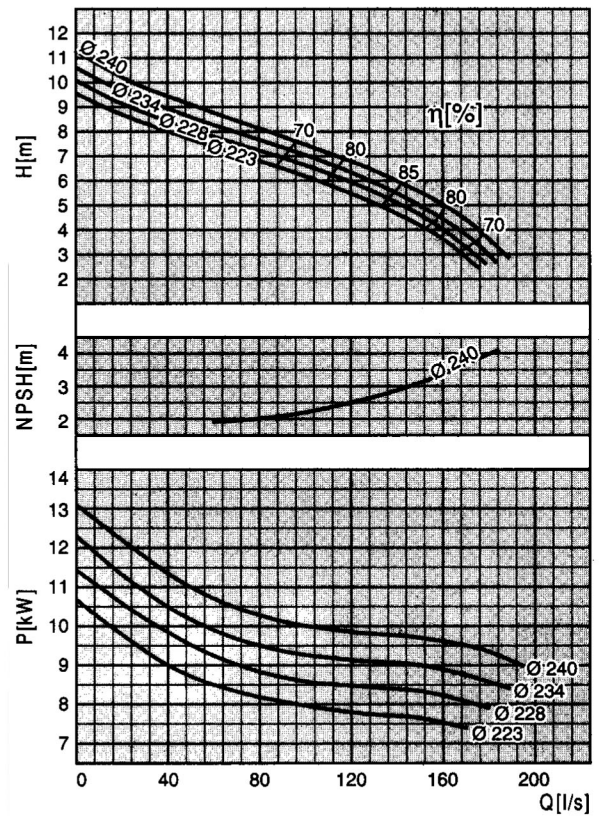
PKH 20-20

$n=24,2s^{-1}$



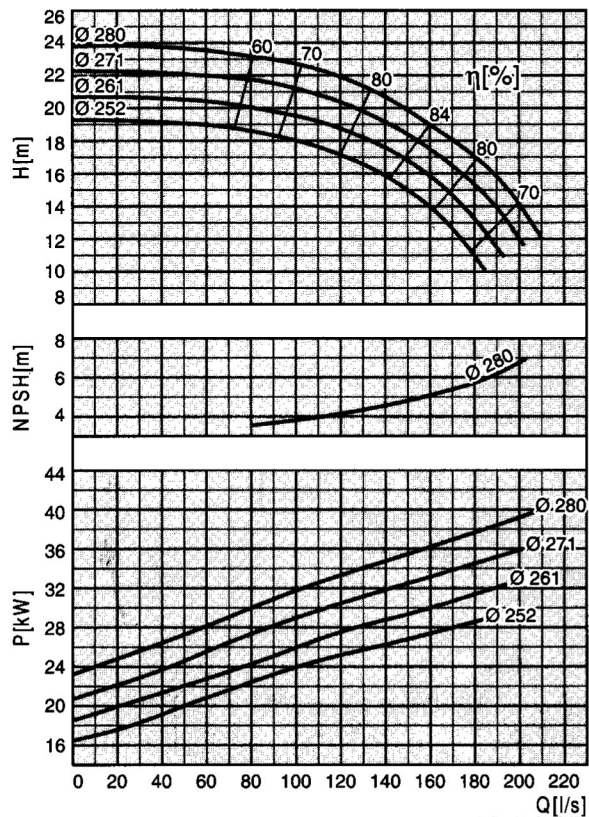
PKH 25-20

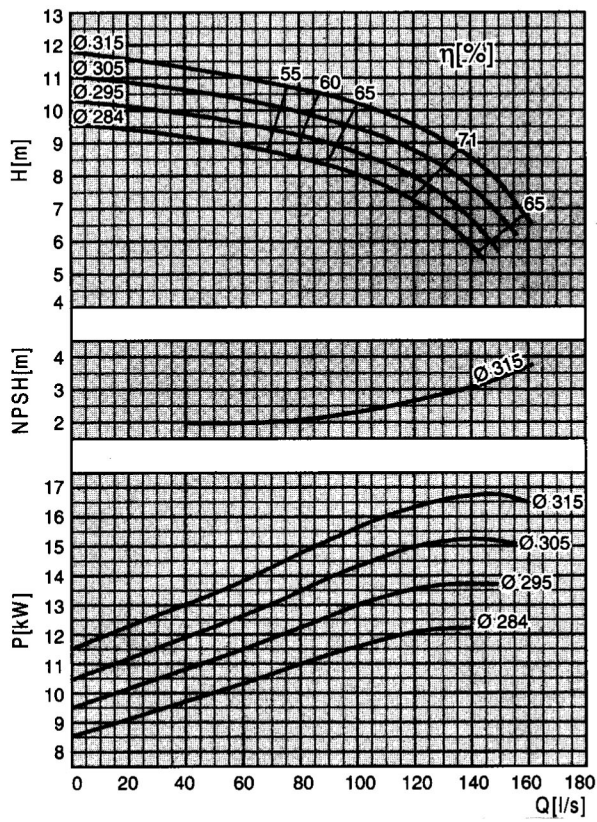
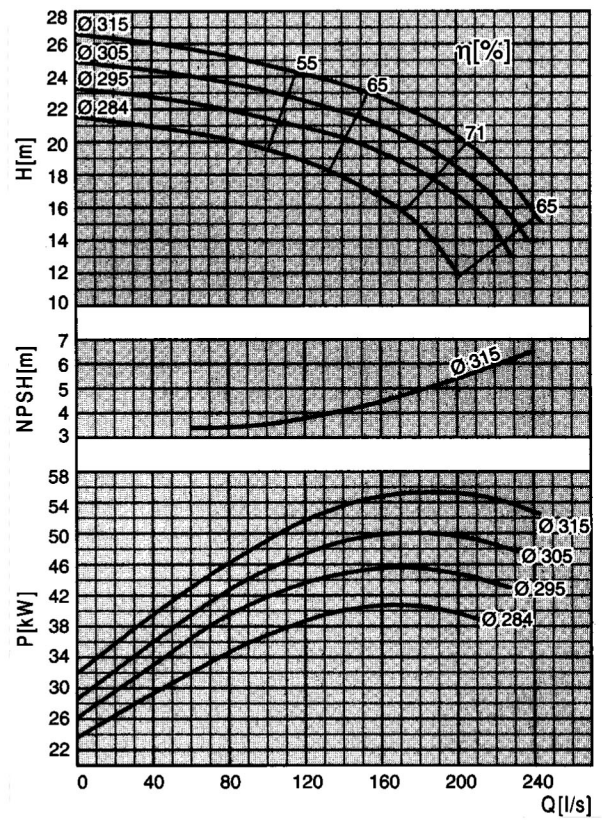
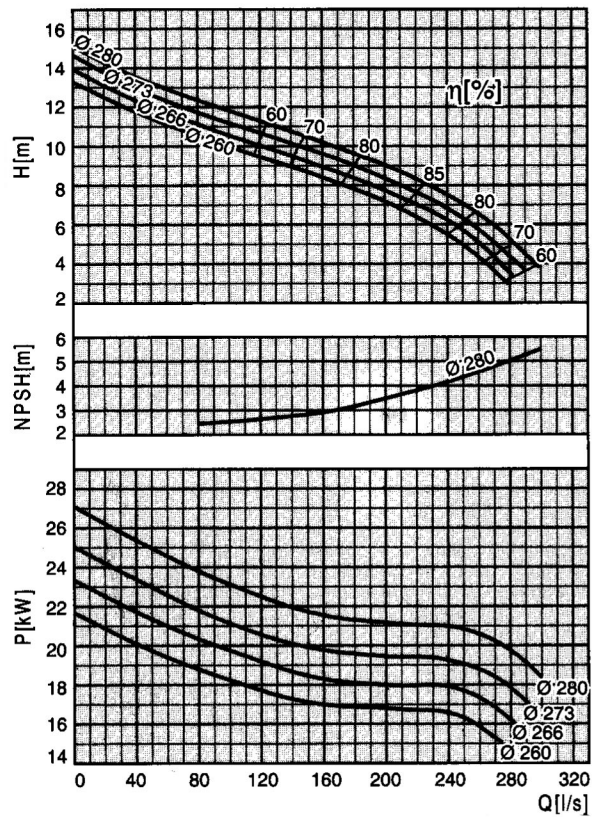
$n=16s^{-1}$

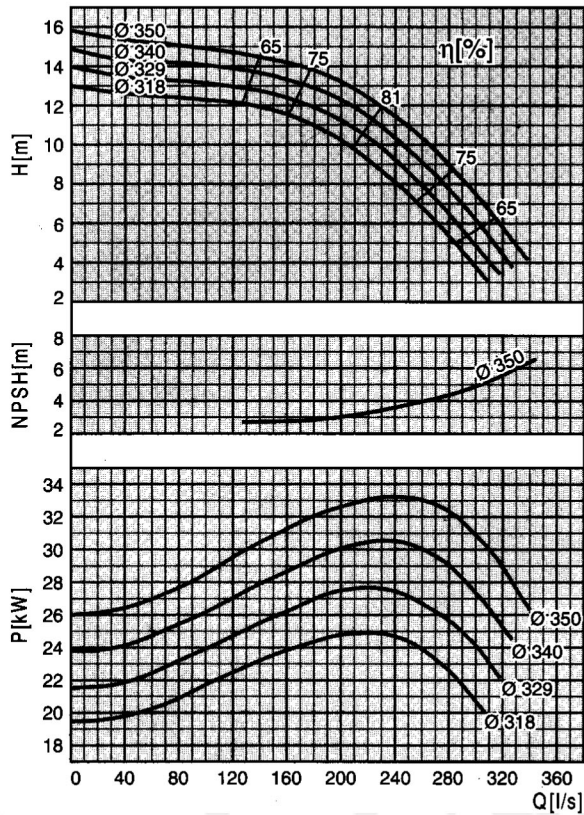
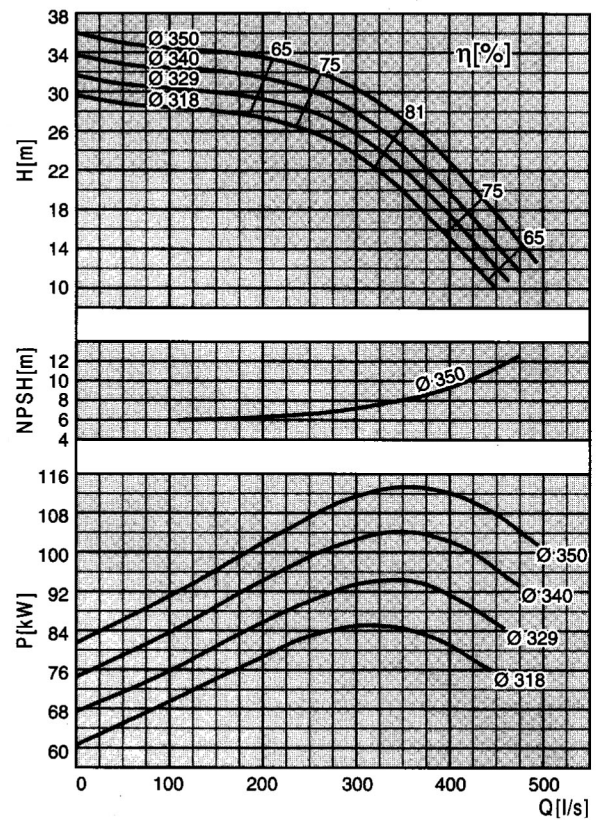
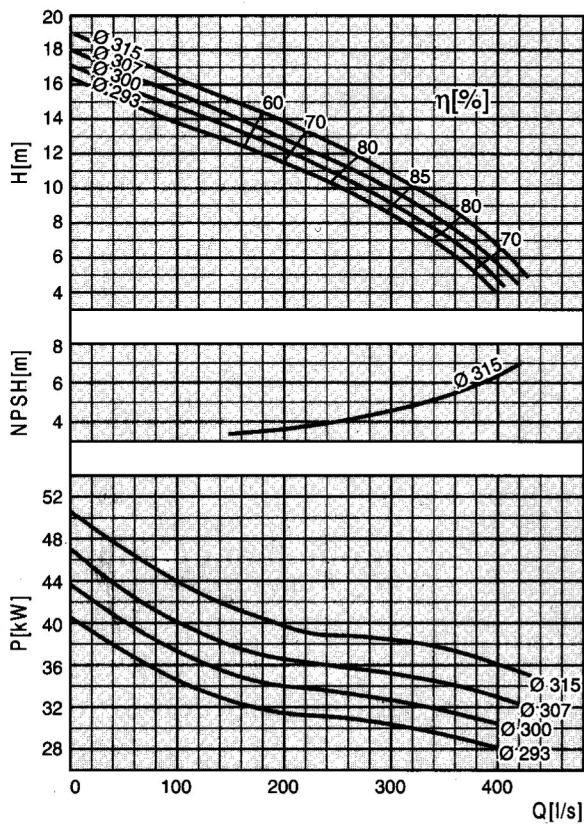


PKH 25-25

$n=24,2s^{-1}$

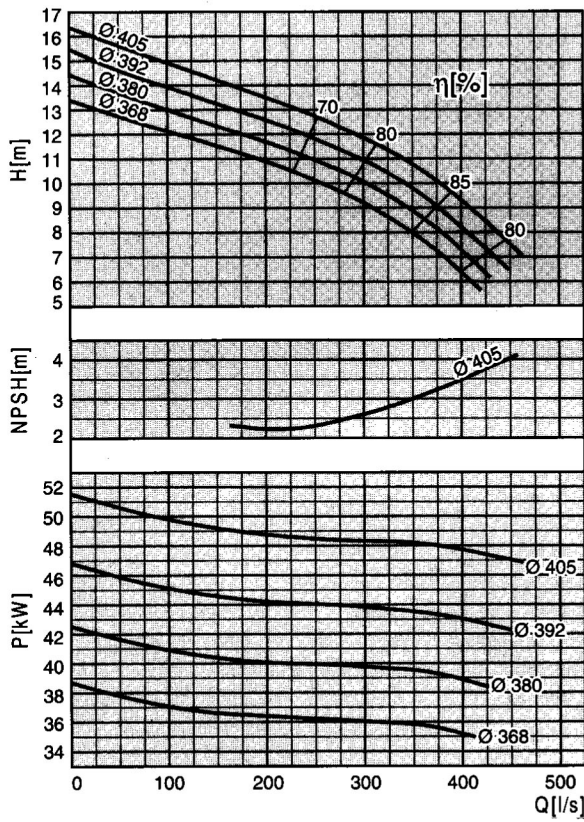


PKH 25-30 $n=16s^{-1}$ **PKH 25-30** $n=24,2s^{-1}$ **PKH 30-25** $n=16s^{-1}$ 

PKH 30-30 $n=16s^{-1}$ **PKH 30-30** $n=24,2s^{-1}$ **PKH 35-30** $n=16s^{-1}$ 

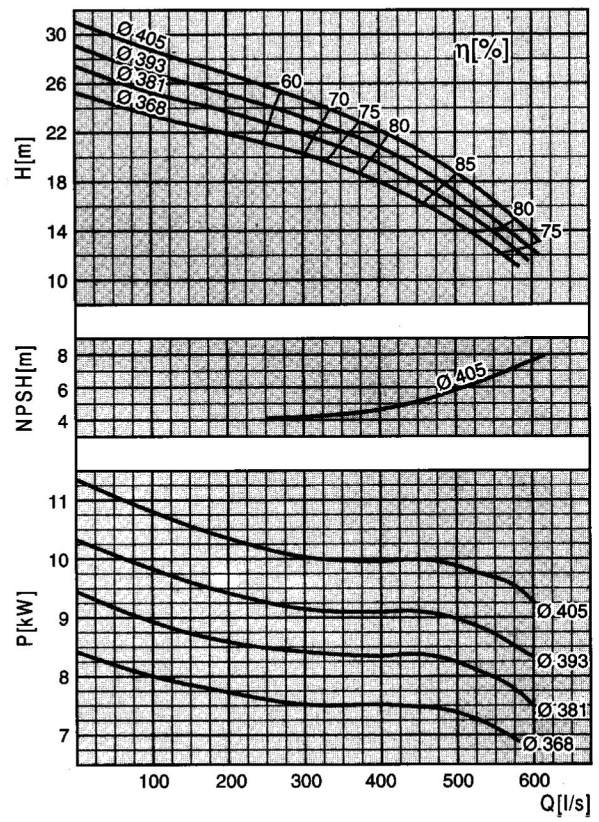
PKH 35-35

$n=12,25s^{-1}$



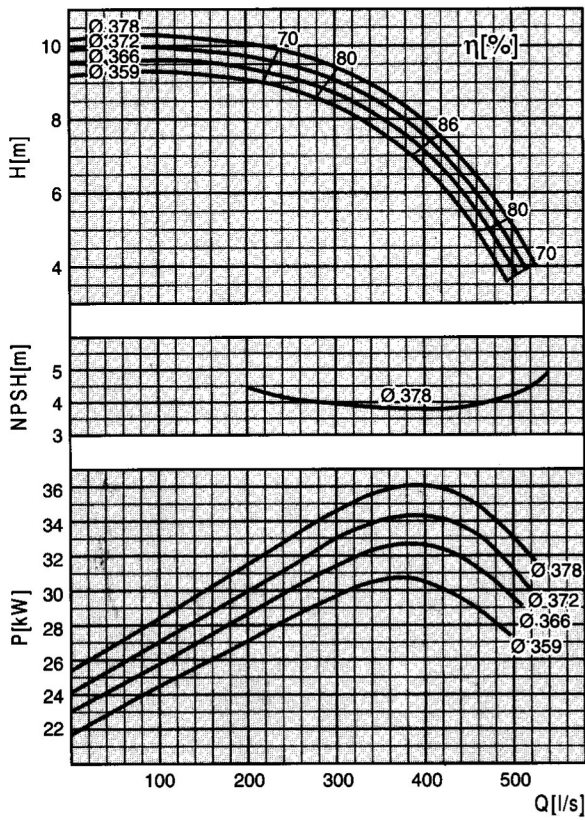
PKH 35-35

$n=16s^{-1}$



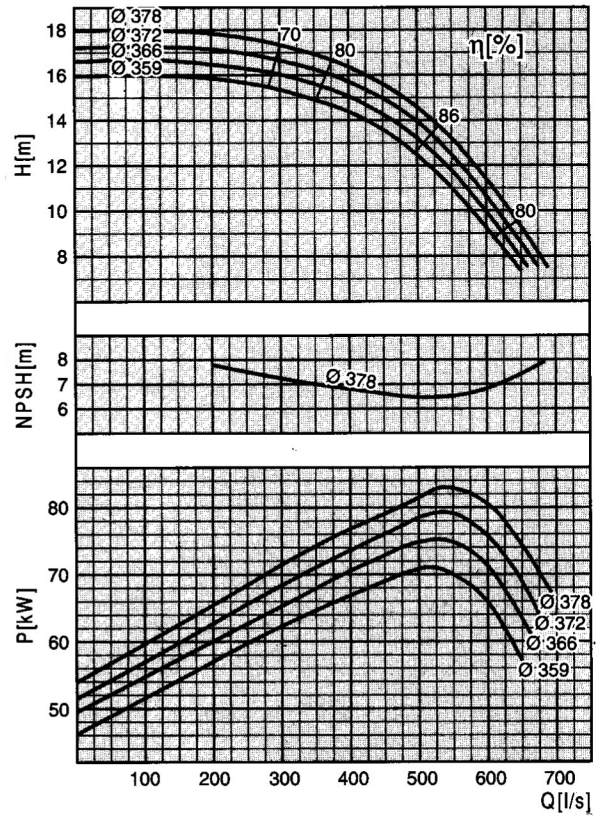
PKH 35-40

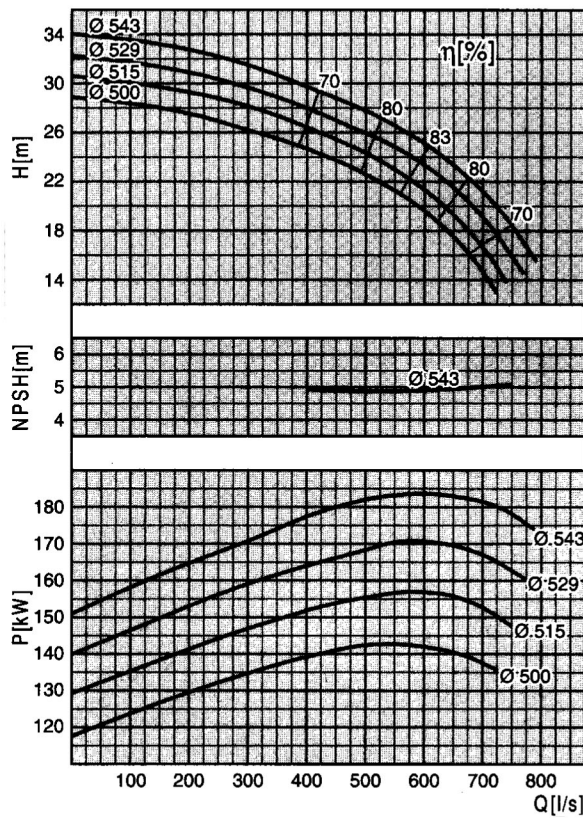
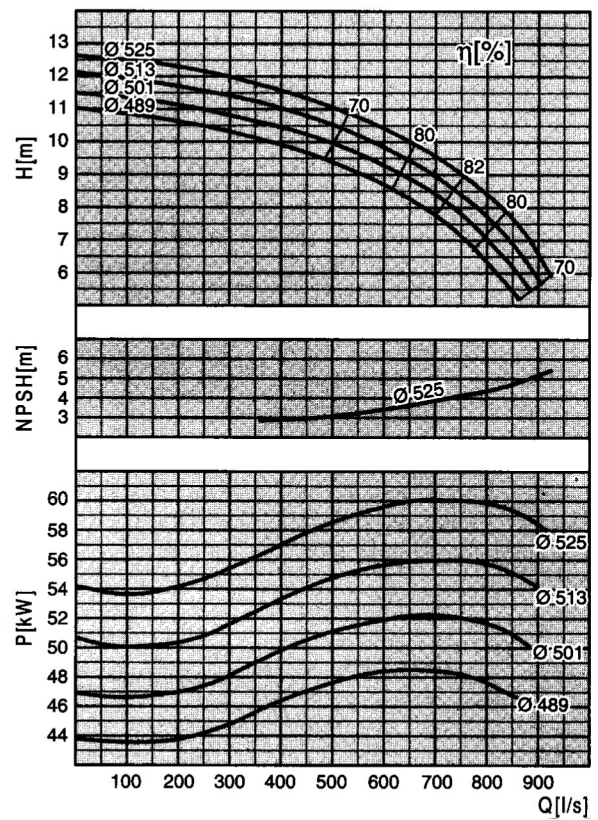
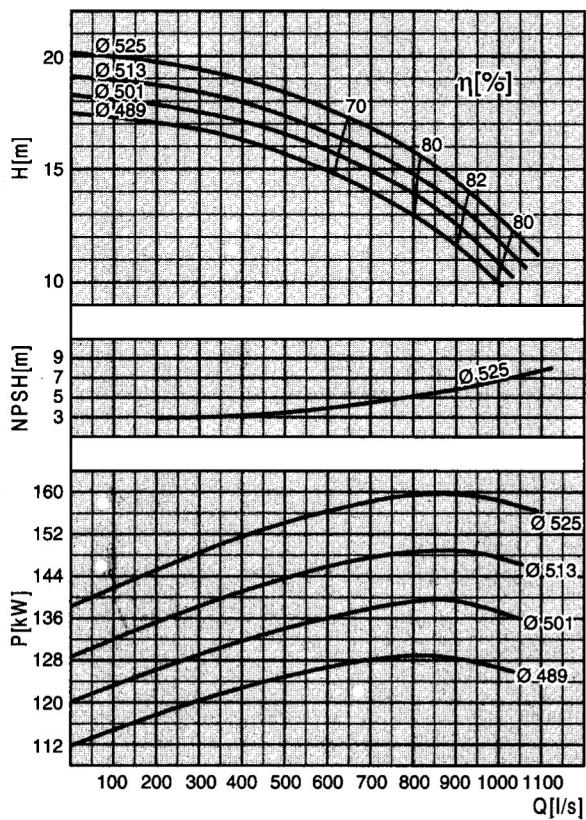
$n=12,16s^{-1}$



PKH 35 - 40

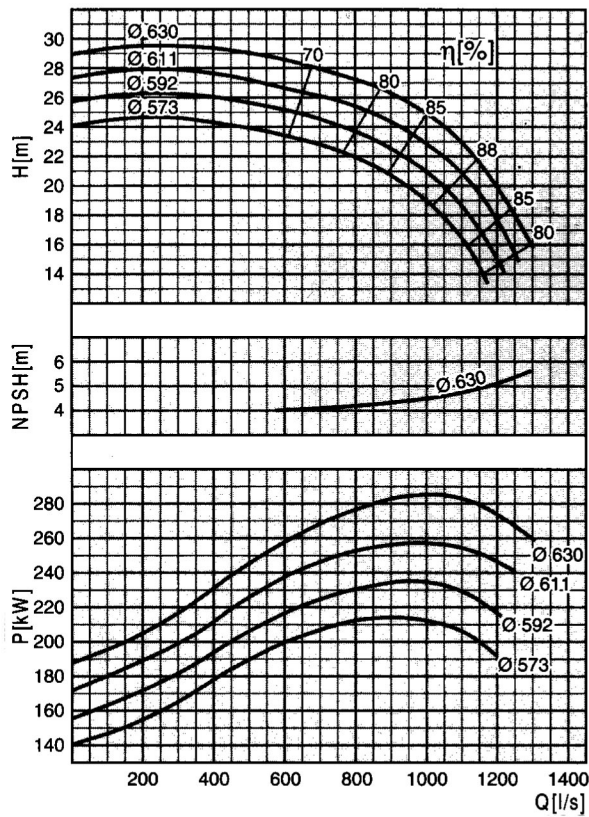
$n=16s^{-1}$



PKH 50-50 $n=16s^{-1}$ **PKH 50-60** $n=9,66s^{-1}$ **PKH 50-60** $n=12,16s^{-1}$ 

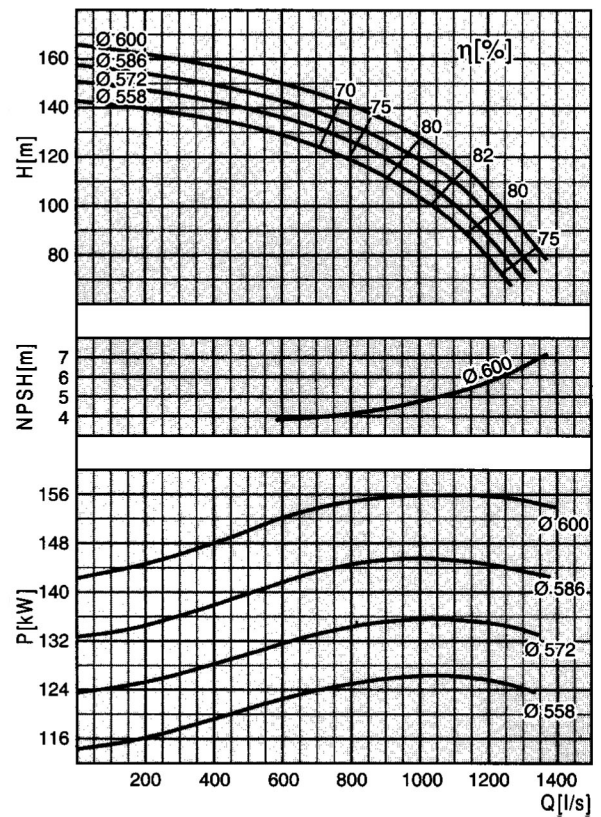
PKH 60-60

$n=12,16s^{-1}$



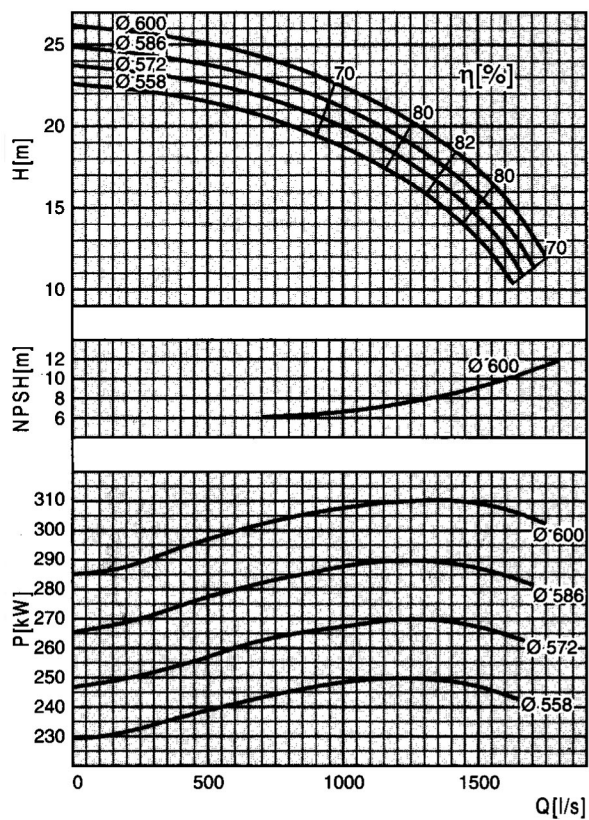
PKH 70-70

$n=9,66s^{-1}$



PKH 70-70

$n=12,16s^{-1}$





**CROATIA
PUMPE**

Croatia Pumpe Nova d.o.o.
Mala Švrača 155
47000 Karlovac
HRVATSKA

Telefon: +385 47 434 022, 47 434 032
Fax: +385 47 434 110
E-mail: info@croatia-pumpe.com

Prodaja:
Telefon: +385 47 434 033, 47 434 038, 47 434 121

Marketing:
Telefon: +385 47 434 099
E-mail: info@croatia-pumpe.com