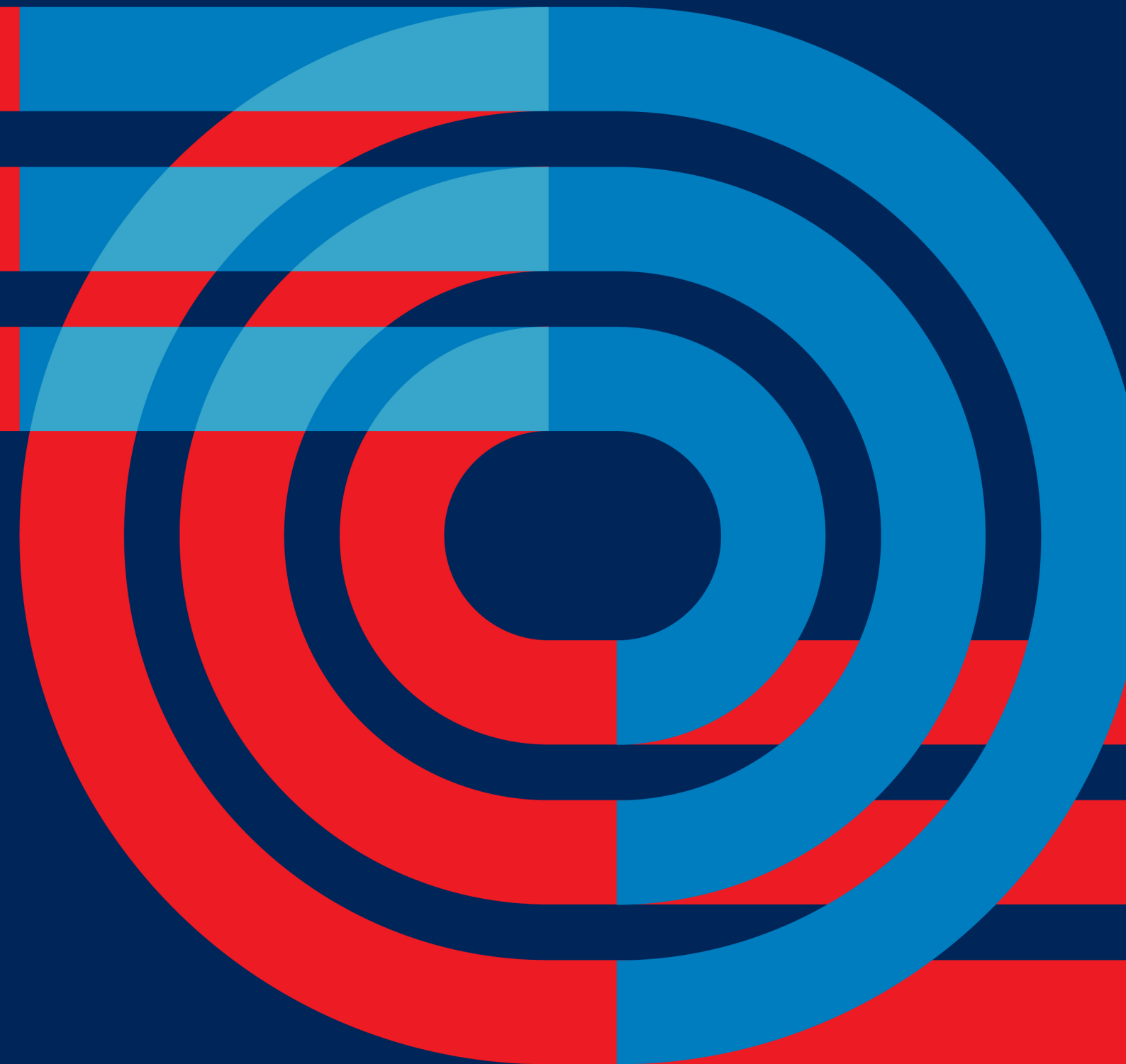


Procesne pumpe Tipa RPP



CROATIA PUMPE

Procesne pumpe Tipa RPP

Primjena

RPP pumpe su procesne pumpe za teške uvjete rada u procesnoj industriji. Izrađene su po standardu API 610, sedmo izdanje (API = American Petroleum Institute). Pumpe po šestom izdanju isporučujemo na specijalan zahtjev kupca i kao rezervni dio za isporučene pumpe. Primjenjuju se za sve vrste medija u rafinerijama, petrokemijskoj industriji, kemijskoj i farmaceutskoj industriji, prehrambenoj industriji, energanama i svugdje gdje su potrebni radni uvjeti koje mogu ostvariti ove pumpe. Odgovarajućim izborom materijala mogu dobavljati sve vrste abrazivnih i agresivnih medija visokih temperatura i tlakova.

Primjer označavanja pumpi

	RPP	10	-	20
Rafinerijska procesna				
Promjer kola rotora (u cm)				
Promjer tlačne prirubnice (u cm)				

Tehnički podaci (karakteristike)

- Količina dobave: od 1 do 700 m³/h
- Visina dizanja: od 4 do 240 m
- Max. radni tlak: 35 bar u ovisnosti o vrsti materijala
- Radna temperatura: od (-70°C) do (+300°C)

Konstrukcija

Pumpe su konstruirane po svim zahtjevima standarda API 610, sedmo izdanje.

RPP pumpa izvedena je kao jednoulazna, s jednim stupnjem, horizontalna s aksijalnim ulazom tekućine i radialnim izlazom usmjerenim prema gore. U spiralnom kućištu ugrađeno je kolo rotora pumpe koje je uklinjeno na vratilo. Vratilo je uležišteno u dva kuglična ležaja. Između spiralnog kućišta pumpe i nosača ležaja ugrađen je poklopac kućišta pumpe u kojem je smještena brtvenica.

Noge na koje je pumpa oslonjena nalaze se u simetrali vratila. Pumpa je izvedena tako da je upotrebom spojke s međukomadom moguće rastavljanje pumpe i vađenje rotorskog dijela bez demontaže el. motora i cjevovoda. Pumpa ima jednodijelno, jednoulazno spiralno kućište koje je odlijevano s debljim stjenkama (dodatak na koroziju 3 mm). Prirubnice su izvedene po ANSI

RPP Type Process Pump

Application

RPP pumps are designed as process pumps for very rigorous working conditions in process industry. They are made as per API610 standard, 7th edition (API = American Petroleum Institute).

These pumps are delivered on the purchaser's special request and as spare part for delivered pumps. They are used for transport of all media in refineries, petrochemical industry, chemical and pharmaceutical industry, food industry, thermal power plants and everywhere where working conditions are such that can be realized by these pumps. The adequate choice of material enables transport of abrasive and aggressive media at very high temperatures and pressures.

Pump Markings Example

	RPP	10	-	20
Refinery process				
Impeller (in cm)				
Discharge flange diameter (in cm)				

Technical Data (Characteristics)

- Capacity: from 1 to 700 m³/h
- Total head: from 4 to 240 m
- Max. working pressure: 35 bar dependant on the material
- Working temperature: from -70 °C to +300 °C

Design

Pumps are designed as per API 610 standard, 6th edition.

RPP pump is designed as single suction, single stage, horizontally pump with liquid axial inlet and radial outlet directed upwards. Impeller is keyed on the shaft. Shaft is supported on two ball bearings. Pump casing is installed between pump volute casing and bearing support. Stuffing box is provided on the pump casing cover.

By means of spacer-type flexible coupling pumps can be dismantled and rotating parts can be pulled out without electromotor dismantling.

Pump has one-part, single inlet volute casing which is separated by means of thicker walls (addition on corrosion 3 mm). Flanges are designed as per N ANSI standard.

Impeller is radial, single flow, closed type.

Shaft is supported by standard oil lubricated and cooled

standardu. Kolo rotora je radijalno, jednostrujno zatvorenog tipa. Vratilo je uležišteno u dva mjesta kotrljajućim ležajima podmazivanim uljem i po potrebi hlađenim. Uravnoteženje aksijalne sile postignuto je leđnim raspornim prstenovima i provrtima izjednačenja tlaka na rotoru.

Brtvljenje

Brtvljenje se može izvesti s brtvenom pletenicom ili mehaničkom brtvom u ovisnosti o vrsti medija, uvjetima rada i zahtjevu kupca. Mehaničke brtve nabavljamo od poznatih proizvođača CRANE, FLEXIBOX, BURGMANN, PACIFIC, SEALOL.

Preferiramo ugradnju standardnih mehaničkih brtvi po DIN 24 960 ukoliko uvjeti ne zahtijevaju ugradnju specijalnih mehaničkih brtvi. Ispiranje, hlađenje i podmazivanje brtvi izvodimo po API planovima u skladu s API 610.

U ovisnosti o radnim uvjetima, vrsti medija mehaničke brtve mogu biti jednostruke, dvostruke, tandem, rasterećene i nerasterećene. Kombinacije materijala o radnim uvjetima i vrsti medija dajemo u skladu s API 610.

Materijal

Raznim kombinacijama materijala pumpe tipa RPP mogu dobavljati gotovo sve vrste abrazivnih i agresivnih medija.

Materijale koje upotrebljavamo svrstali smo u 5 osnovnih grupa:

- Sivi i čelični lijev (SL 25 i ČL. 0445) - Za vodu i neutralne medije u kojima nema abrazivnih čestica.
- Bronca P. Cu Sn 10 - Upotrebljava se za morsku vodu, u prehrambenoj industriji i za agresivne medije na koje je otporna bronca.
- Nehrđajući čelični lijev za agresivne medije (ČL. 4574 i ČL. 4580, zamjena za AISI 316 i AISI 304) - Za agresivne medije u kojima sadržaj abrazivnih čestica nije znatno izražen.
- Crom čelični lijev za abrazivne i djelomično agresivne medije (ČL. 4171, ČL. 4783, ČL. 41702) - Upotrebljava se za papirnu masu, glinicu, pijesak itd.
- Specijalni čelični lijev s visokim postotkom nikla i kroma, 30% Ni, 20% Cr (CP 29.21.) - Upotrebljava se za sumpornu kiselinu visokih temperatura i izrazito agresivne medije.

bearings.

Axial thrust balancing

At these pumps axial thrust balancing is achieved by a wearing ring and pressure equalisation cores. (API 610, 7th edition)

At AP1610, 5th edition axial thrust balancing is achieved by impeller back-to-back vanes.

Sealing

Sealing is normally made by soft packing or mechanical seal depending on media, working conditions and purchaser's request. Mechanical seals are supplied by the well known world producers like CRANE, FLEXIBOX, BURGMANN, PACIFIC, SEALOL.

We prefer the installment of standard mechanical seals as per DIN 24 296 if the working conditions do not request special mechanical seals. Scavenging, cooling and lubrication of mechanical seals are performed as per PI plans, in accordance with PI 610.

Mechanical seals can be arranged in different ways; single or multiple acting, face to face, back to back, balanced or unbalanced, with or without injection of sealing liquid etc.

Special high sealing arrangements are available upon request.

Material is given as per PI 610.

Materials

In various material combination the pumps type RPP can transport almost all sorts of abrasive and aggressive media.

Materials are grouped in 5 main groups :

- Cast iron and cast steel (SL 25 and CL. 0445)*
For water and neutral media in which there are no the abrasive particles.
- Bronze P. Cu Sn 10*
For sea water, in food industry and aggressive media on which bronze is resistant.
- Stainless steel for aggressive media*
(CL. 4574 and CL. 4580, change for AISI 316 and AISI304)
For aggressive media in which a content of abrasive particles is not essential.
- Chromium cast steel for abrasive and aggressive media (CL. 417 1, CL. 4783, CL. 41702).*
Mostly used for paper mass, aluminium oxide, sand, etc.
- Special cast steel with high percentage of nickel and chromium, 30% Ni, 20% Cr (JGT 29.21.)*
For sulphuric acid at high temperatures and for other very aggressive fluids.

Agregatiranje (Agregacija)

U normalnim slučajevima pumpe su agregatirane s elektromotorima na zajedničkoj temeljnoj ploči, spojene elastičnom spojkom.

Na specijalan zahtjev kupca možemo izvesti agregatiranje remenskim prijenosom za zahtijevani broj okretaja, kao i drugim vrstama pogona.

Aggregation

Pumps are coupled with electromotors on common bed plate by means of flexible coupling.

Upon the purchaser's request the aggregating can be performed with best transmission for required speed. Apart from electrical drive, KPP pumps could be driven by other types of prime movers.

Popis materijala za procesne pumpe**List Of Materials For PPR Pumps**

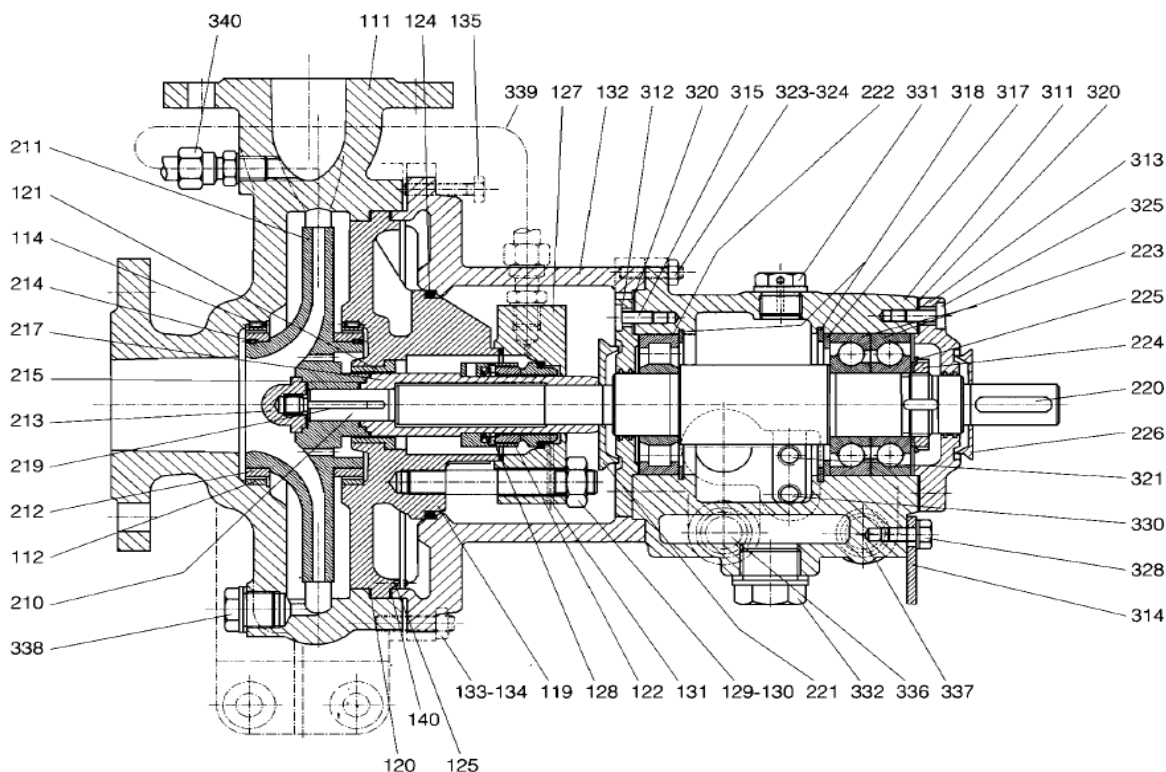
Naziv dijela		Part		Sastav i primjena Composition and Application
Kućište <i>Casing</i>	Kolo rotora <i>Impeller</i>	Rasporni prsten	Vratilo Axel	
SL 25	SL 25	SL 25	ČL. 1730	Za vodu i neutralne medije do 90°C <i>For water and neutral mediums (up to 90°C)</i>
ČL. 0445	SL 25	SL 25	ČL. 1730	Za naftu, naftne derivate, ugljikovodike, za vruću vodu <i>For oil, oil derivatives, carbohydrates, hot water</i>
	ČL. 4580	ČL. 4580	ČL. 4570	
Bronca Bronze	Bronca Bronze	Bronca Bronze	ČL. 4570	Za morsku vodu, prehrambene proizvode, i agresivne medije bez abrazije <i>For sea water, food industry and aggressive mediums without abrasion</i>
ČL. 4574	ČL. 4574	ČL. 4574	ČL. 4570	Za izrazito agresivne medije. Zamjena za AISI 316 i AISI 304. <i>For extremely aggressive mediums. Substitute for AISI 316 I AISI 304.</i>
ČL. 4580	ČL. 4580	ČL. 4580		
ČL. 4171	ČL. 4171	ČL. 4171	ČL. 4570	Za abrazivne i agresivne medije (papirna masa i sl.) <i>For abrasive and aggressive mediums (paper pulp etc.)</i>
ČL. 4771	ČL. 4771	ČL. 4771		
ČL. 41702	Č. 41702	Č. 41702	ČL. 4570	Za abrazivne i agresivne medije <i>For abrasive and aggressive mediums</i>
ČL. 4783	ČL. 4783	ČL. 4783	ČL. 4570	Za izrazito abrazivne medije (glinica, kvarcni pijesak, itd.) <i>For extremely abrasive mediums (quartz sand, etc)</i>
CP 29,21	CP 29,21	CP 29,21	Č. 4570	Odgovara WNR 1.4500 za 30% H ₂ SO ₄ , t=90°C (30% Ni, 20% Cr) <i>Matches WNR 1.4500 for 30% H₂SO₄, t=90°C (30% Ni, 20% Cr)</i>
CP 39,21	CP 39,21	CP 39,21	Č. 4570	Odgovara Hastelloy C za HCl (40% Ni, 20% Cr) <i>Matches Hastelloy C za HCl (40% Ni, 20% Cr)</i>
CP 27.6	CP 27.6	CP 27.6	Č. 4570	Odgovara WNR 9.4460 (NORIDUR) za H ₃ PO ₄ s krutinama otporan na abraziju i koroziju <i>Matches WNR 9.4460 (NORIDUR) for H₃PO₄ with strengtheners resistant on abrasion and corrosion</i>
Hastelloy B	Hastelloy B	Hastelloy B	Č. 4570	(60 % Ni, 30% Mb) za HCl, F, HF

Hastelloy C	Hastelloy C	Hastelloy C	(60 % Ni, 20% Mb, 15%Cr) (60 % Ni, 30% Mb) for HCl, F, HF (60 % Ni, 20% Mb, 15%Cr)
Nosač ležaja uglavnom izvodimo iz SL 25 ukoliko nema specijalnih zahtjeva i ukoliko uvjeti rada to ne zahtijevaju. Osim navedenih materijala može se izvesti pumpa iz SL 25 s specijalnim zaštitnim premazom otpornim na abrazive i agresivne medije			
Bearing support is mainly manufactured out of Gray iron (SL25) if there are no special demands and if working conditions don't require different material.			
Besides aforementioned materials pump can be manufactured out of Gray iron (SL25) with special application resistant to abrasives and aggressive mediums.			

Prijedlog rezervnih dijelova za dvogodišnji rad			Suggested Spare Parts For Two Years Period						
Pozicija br. Position No.	Naziv dijela Part		Broj ugrađenih pumpi Number of installed pumps						
			2	3	4	5	6	8	10
			Broj komada rezervnih dijelova Number Of Spare Parts						
212	Vratilo / Axel		1	1	2	2	2	3	30%
211	Kolo rotora / Impeller		1	1	1	2	2	3	30%
222	Kotrljajući ležaj (par) / Rolling Bearing (pair)		1	1	2	2	3	4	50%
223	Kotrljajući ležaj / Rolling Bearing		1	1	2	2	3	4	50%
311	Nosač ležaja, komplet s vratilom i ležajima / Bearing Support with Axel and Bearings		-	-	-	-	-	-	2
140	Mehanička brtva / Mechanical Gasket	Rotacioni prsten / Rotating Ring	2	3	4	4	4	6	90%
		Stacionarni prsten / Stationary Ring	2	3	4	4	4	6	90%
		O-Prsten / O-Ring	2	3	6	8	8	10	150%
		Osovska brtva / Shaft's Gasket	2	3	6	8	8	10	150%
		Opruga / Spring	1	1	1	1	2	2	20%
120	Prednji tuljak brtve / Front Gasket Sleeve		1	1	2	2	2	3	30%
112	Rasporni prsten kućišta / Casing's Wearing Ring		2	2	2	3	3	4	50%
213	Rasporni prsten rotora / Impeller's Wearing Ring		2	2	2	3	3	4	50%
218	Zaštitni tuljak vratila / Shaft's Security Sleeve		1	1	1	2	2	2	20%
115	Brtve kućišta (komplet) / Casing's Packing (set)		4	6	8	8	9	12	150%
321,324, 329,331	Ostale brtve (komplet) / Other Packing (set)		4	6	8	8	9	12	150%
Brojke u % znače odnos broja komada rezervnih dijelova prema broju komada ugrađenih pumpi iste veličine.									
Percentages stated represent the number of spare parts in respect to number of identical pumps installed									

Presjek pumpe tipa RPP

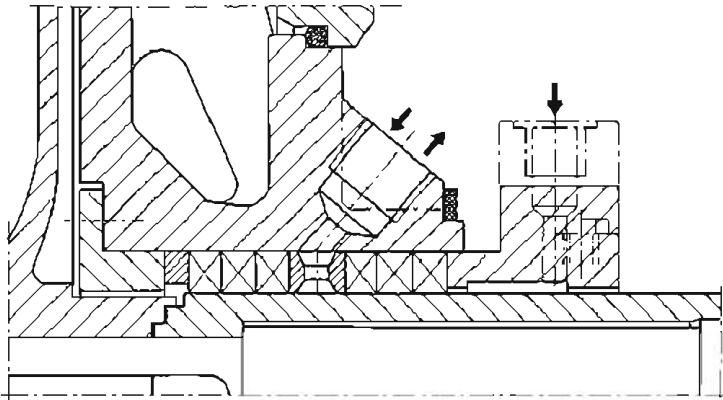
RPP pump cross-section



Popis dijelova pumpe tipa RPP				RPP Pump Parts List	
111	Spiralno kućište / Volute Casing	135	Vijak / Bolt	312	Poklopac ležaja / Bearing Cover
112	Rasporni prsten / Wearing Ring	136	Vijak / Bolt	313	Poklopac ležaja / Bearing Cover
114	Vijak / Bolt	140	Brtva / Packing	314	Noga / Leg
119	Poklopac kućišta / Casing Cover	210	Vratilo / Shaft	317	Distantni prsten / Distance Ring
120	Brtva / Packing	211	Kolo rotora / Impeller	318	Uskočnik / Trip Unit
121	Brtveni tuljak / Packing Sleeve	212	Rasporni prsten / Wearing Ring	320	Brtva / Packing
122	Mehanička brtva / Mechanical Seal	213	Vijak kola rotora / Impeller Screw	321	Regulator nivoa ulja / Oil Level Control
123	Prsten / Ring	214	Vijak / Bolt	323	Vijak / Bolt
124	Prsten / Ring	215	Brtveni prsten / Packing Ring	324	Matica / Nut
125	Zatik / Pin	217	Tuljak vratila / Shaft Screw	325	Vijak / Bolt
126	Zatik / Throttle Sleeve	219	Uložno pero / Insertion Spring	328	Vijak / Bolt
127	Poklopac meh. brtve / Mechanical Seal Casing	220	Uložno pero / Insertion Spring	330	Vijak / Bolt
128	Brtva / Packing	221	Centrifugalni odvajač / Centrifugal Separator	331	Vijak / Bolt
129	Vijak / Bolt	222	Ležaj / Bearing	332	Vijak / Bolt
130	Matica / Nut	223	Ležaj / Bearing	336	Vijak / Bolt
131	Zatik / Pin	224	Matica / Nut	337	Vijak / Bolt
132	Nosač kućišta / Casing Support	225	Sigurnosni lim / Safety Sheet Metal	338	Vijak / Bolt
133	Vijak / Bolt	226	Centrifugalni odvajač / Centrifugal Separator	339	Cijev / Hose
134	Matica / Nut	311	Nosač ležaja / Bearing Support	340	Priključak / Fitting

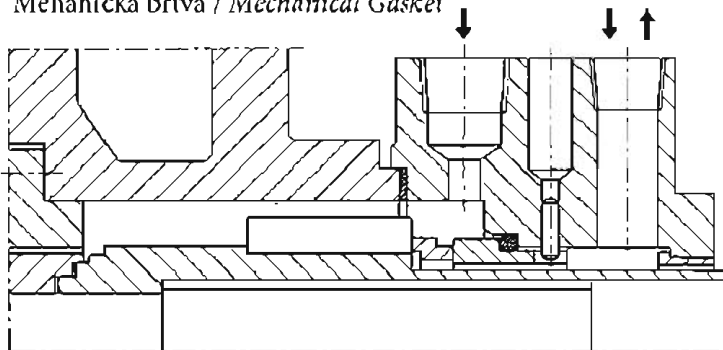
Brtvljenje

Brtvena pletenica / *Stuffing*

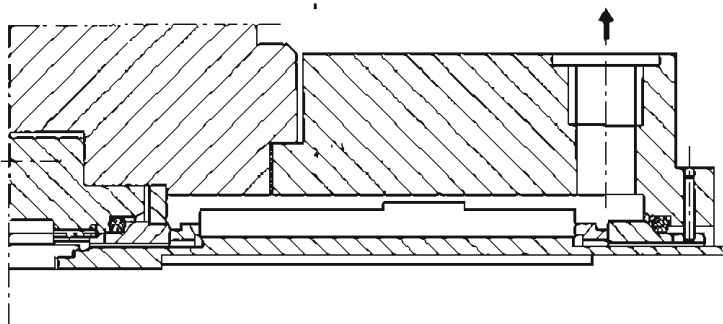


Način brtvljenja brtvenom pletenicom /
Sealing With Stuffing

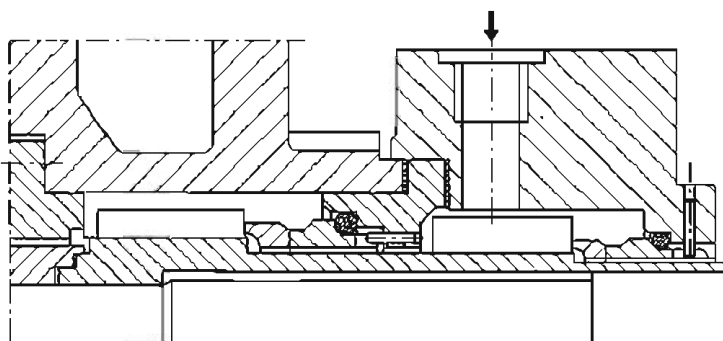
Mehanička brtva / *Mechanical Gasket*



Način brtvljenja jednostrukom
mehaničkom brtvom /
*Sealing With Single
Mechanical Gasket*



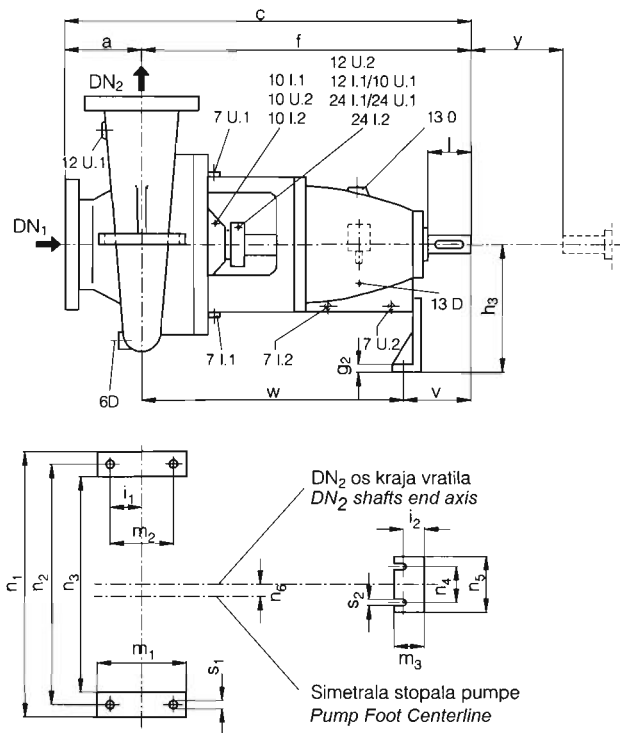
Način brtvljenja dvostrukom
mehaničkom brtvom /
*Sealing With Double
Mechanical Gasket*



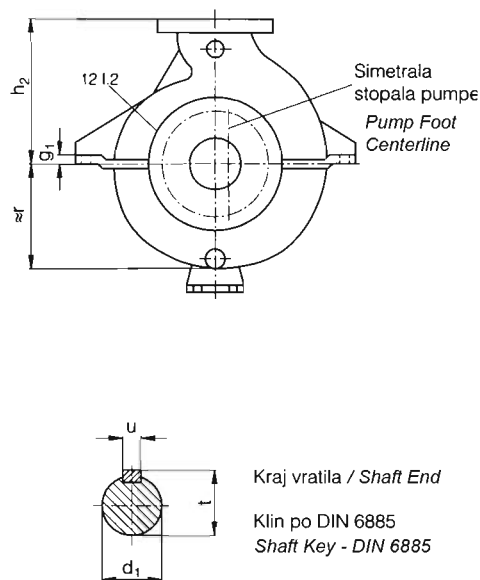
Način brtvljenja tandem
mehaničkom brtvom /
*Sealing With Tandem
Mechanical Gasket*

Sealing

Mjerna skica pumpe



Pump Sketch With Dimensions



Vel. pumpe Pump Size	Dimenzije pumpe / Pump Dimensions																Kraj vratila / Shaft End					Spojni vijci / Bolts									
	DIN ₁	DN ₂	a ²⁾	c ²⁾	f	g ₁	g ₂	h ₂ ²⁾	h ₃	m ₁	m ₃	n ₁	n ₃	n ₅	n ₆	≈r	d ₁ k ₆	l	t	u	y	i ₁	i ₂	m ₂	n ₂	n ₄	s ₁	s ₂	v	w	
16-2,5	40	25	95	480	385	15	8	160	160	90	45	315	235	160	-	115	24	50	26,9	8	100	28,5	28	54	280	110	14	14	100	285	
20-2,5	40	25	95	480	385	15	8	160	160	90	45	375	290	160	-	115	24	50	26,9	8	100	28,5	28	54	340	110	14	14	100	285	
16-4	50	40	95	480	385	15	8	165	160	90	45	315	235	160	-	120	24	50	26,9	8	100	28,5	28	54	280	110	14	14	100	285	
20-4	50	40	100	485	385	15	8	185	160	90	45	375	290	160	-	135	24	50	26,9	8	100	28,5	28	54	340	110	14	14	100	285	
25-4	50	40	115	615	500	19	8	230	180	130	47	460	360	160	-	160	32	80	35,3	10	120	52,5	30	90	420	110	18	14	130	370	
31,5-4	50	40	125	625	500	19	8	255	255	130	47	500	400	160	-	190	32	80	35,3	10	120	52,3	30	90	460	110	18	14	130	370	
16-5	80	50	105	490	385	15	8	180	160	90	45	375	290	160	-	140	24	50	26,9	8	100	28,5	28	54	340	110	14	14	100	285	
20-5	80	50	105	490	385	15	8	200	160	90	45	425	345	160	-	150	24	50	26,9	8	100	28,5	28	54	390	110	14	14	100	285	
25-5	80	50	130	630	500	19	8	225	225	130	47	460	360	160	-	170	32	80	35,3	10	120	52,5	30	90	420	110	18	14	130	370	
35,5-5	80	50	130	630	500	19	8	280	260	130	47	540	440	160	-	200	32	80	35,3	10	120	52,5	30	90	500	110	18	14	130	370	
40-5	80	50	140	670	530	25	12	315	315	150	52	690	590	160	-	250	42	110	45,1	12	120	72	33	110	650	110	18	14	160	370	
16-5	100	80	135	635	500	19	8	230	225	130	47	460	360	160	-	170	32	80	35,3	10	120	58,5	30	90	420	110	18	14	130	370	
20-8	100	80	135	635	500	19	8	255	225	130	47	500	400	160	-	190	32	80	35,3	10	120	58,5	30	90	460	110	18	14	130	370	
25-8	100	80	135	635	500	19	8	285	260	130	47	580	480	160	-	210	32	80	35,3	10	120	52	30	90	540	110	18	14	130	370	
31,5-8	100	80	140	670	530	21	12	320	280	130	52	640	540	160	-	230	42	110	45,1	12	140	51	33	90	600	110	18	14	160	370	
40-8	100	80	150	820	670	25	12	360	355	150	60	690	590	200	-	270	48	110	51,5	14	180	55	39	110	650	140	18	18	170	500	
20-10	150	100	135	635	500	19	8	290	260	130	47	540	440	160	-	195	32	80	35,3	10	120	58,5	30	90	500	110	18	14	130	370	
25-10	150	100	150	680	530	19	12	290	290	130	52	640	540	160	-	210	42	110	45,1	12	140	52,5	33	90	540	110	18	14	160	370	
32,5-10	150	100	150	680	530	21	12	325	315	130	52	640	540	160	-	240	42	110	45,1	12	140	52	33	90	600	110	18	14	160	370	
40-10	150	100	150	820	670	25	12	365	355	150	60	740	640	200	-	280	48	110	51,5	14	180	55	39	110	700	140	18	18	170	500	
31,5-15	200	150	170	840	670	25	12	410	355	150	60	690	590	200	-	260	48	110	51,5	14	180	55	39	110	650	140	18	18	170	500	
40-15	200	150	170	700	530	25	12	460	355	150	60	820	720	100	-	310	48	110	51,5	14	180	55	39	110	780	140	18	18	170	500	
50-15	200	150	180	850	670	30	12	500	375	180	60	960	820	200	-	360	48	110	51,5	14	180	65	39	130	910	140	22	18	170	500	
25-20	250	200	190	860	670	25	12	435	355	150	60	690	590	200	-	275	48	110	51,5	14	180	55	39	110	650	140	18	18	170	500	
31,5-20	250	200	210	930	720	30	12	460	355	180	60	790	650	200	-	290	60 ¹⁾	140	64,2	18	180	65	39	130	740	140	22	18	205	515	
40-20	250	200	190	910	720	30	12	510	355	180	60	900	760	200	-	320	60 ¹⁾	140	64,2	18	180	65	39	130	850	140	22	18	205	515	
50-25	300	250	200	920	720	30	12	670	475	210	60	1200	1040	200	-	470	60 ¹⁾	140	64,2	18	180	75	39	150	1120	140	28	18	205	515	
40-30	350	300	300	1200	900	30	12	630	500	310	60	1200	1020	200	-	445	75 ¹⁾	150	79,5	20	250	130	39	210	1120	140	28	18	220	680	
50-30	350	300	300	1200	900	30	12	750	560	310	60	1360	1180	200	-	495	75 ¹⁾	150	79,5	20	250	130	39	210	1280	140	28	18	220	680	
40-35	350	350	350	1280	930	30	12	750	600	310	60	1460	1280	200	-	550	75 ¹⁾	150	79,5	20	250	105	39	210	1380	140	28	18	220	710	
50-35	350	350	300	1200	900	40	12	850	670	400	70	1560	1320	240	90	630	75 ¹⁾	150	79,5	20	250	150	48	300	1460	184	35	20	268	632	

Dimenzije u mm Dimensions in mm

¹⁾ d₁ n₆

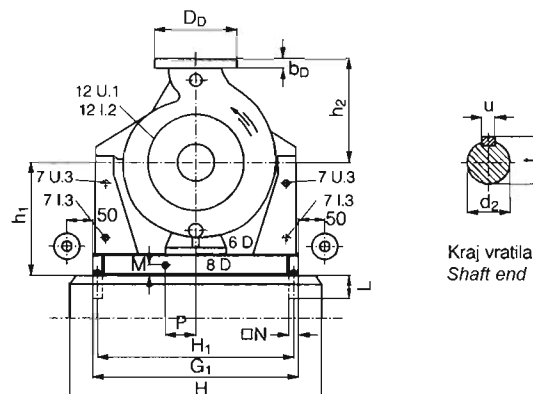
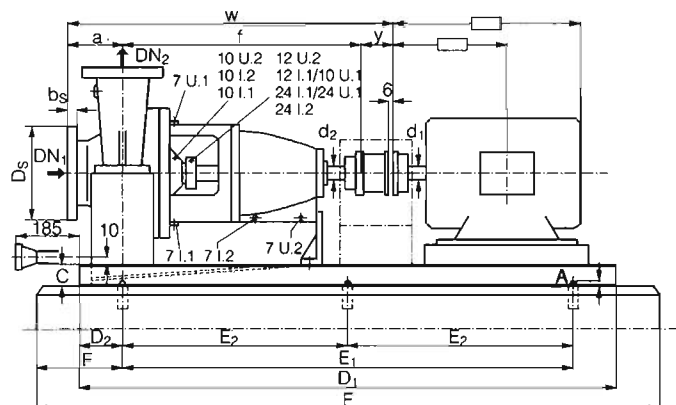
²⁾ Ako su priborice po ANSI 300 lbs (RTJ) dodati 8 mm

If Flanges Are As Per ANSI 300 lbs Add 8 mm

Sve mjere su informativne i proizvođač zadržava pravo izmjene

All measurements are for information purposes and manufacturer retains the right to change them.

Generator Sketch With Dimensions As Per ISO 3661 and DIN 24259



Kraj vratila
Shaft end

Dimenzije temeljne ploče i temelja

Base and Base Plate Dimensions

	kg	D ₁	G ₁	C	D ₂	E ₁	E ₂	H ₁	A	E	H	L	M	N□	P	Temeljni vijci DIN 529 Foundation Bolts DIN 529
3 S	60	900	390	95	150	600	90	350	12	1020	500	180	35	70	100	M 16 x 200
4 S	78	1000	445	115	170	660	110	400	13	1130	580	220	40	85	100	M 20 x 250
5 S	112	1120	485	120	190	740	130	440	13	1250	620	220	40	85	100	M 20 x 250
6 S	128	1250	535	120	205	840	135	490	13	1380	670	220	40	85	100	M 20 x 250
7 S	188	1400	600	143	230	940	160	550	15	1540	750	220	55	100	150	M 24 x 250
8 S	231	1600	650	143	270	1060	180	600	15	1740	800	220	55	100	150	M 24 x 250
9 S	281	1800	720	143	300	1200	210	670	15	1940	870	220	55	100	150	M 24 x 250
10 S ¹⁾	410	2000	890	203	330	1340	210	830	17	2140	1030	350	60	100	120	M 30 x 400

¹⁾ Veličine koje nisu uključene u ISO 3661
Values Not Included In ISO 3661

Mjere su u (mm) i informativne; proizvođač zadržava pravo izmjene.
All measurements are in mm and for information purposes.
Manufacturer retains the right to change them.

Dimenzije pumpe

Pump Dimensions

Veličina pumpe <i>Pump Size</i>	Težina <i>Weight</i>	Dimenzije pumpe <i>Pump Dimensions</i>							Usisna priрубnica <i>Discharge Flange</i>		Tlačna priрубnica <i>Pressure Flange</i>		Za priрубnice / <i>For Flanges</i>					
		DN ₁	DN ₂	d ₂	f	y	u	t	D _s ¹⁾	b _s ¹⁾	D _o ¹⁾	b _o ¹⁾	ANSI 150/300-RF PN 16/25/40			ANSI/300-RTJ		
	kg												a	w	h ₂	a	w	h ₂
16-2,5	62	40	25	24	385	100	8	26,9	156	25	124	20	95	580	160	102	587	167
16-4	69	50	40	24	385	100	8	26,9	165	25	156	25	95	580	165	103	588	172
20-2,5	68	40	25	24	385	100	8	26,9	156	25	124	20	95	580	180	102	587	187
20-4	73	50	40	24	385	100	8	26,9	165	25	156	25	100	585	185	108	593	192
16-5	72	80	50	24	385	100	8	26,9	210	31	165	25	105	590	180	113	598	188
20-5	79	80	50	24	385	100	8	26,9	210	31	165	25	105	590	200	113	598	208
25-4	102	50	40	32	500	140	10	35,3	165	25	156	25	115	755	230	123	763	237
25-5	106	80	50	32	500	140	10	35,3	210	31	165	25	130	770	225	138	778	233
16-8	96	100	80	32	500	140	10	35,3	254	36	210	31	135	775	230	143	783	283
31,5-4	131	50	40	32	500	140	10	35,3	165	25	156	25	125	765	255	143	773	262
31,5-5	131	80	50	32	500	140	10	35,3	210	31	165	25	130	770	280	138	778	288
20-8	111	100	80	32	500	140	10	35,3	254	36	210	31	135	775	225	143	783	263
25-8	126	100	80	32	500	140	10	35,3	254	36	210	31	135	775	283	143	783	293
20-10	132	150	100	32	500	140	10	35,3	318	40	254	36	135	775	290	143	793	298
25-10	166	150	100	42	530	140	12	45,1	318	40	254	36	150	820	290	158	828	298
31,5-8	176	100	80	42	530	140	12	45,1	524	36	210	31	140	810	320	148	818	328
31,5-10	220	150	100	42	530	140	12	45,1	318	40	254	36	150	820	325	158	828	333
40-8	257	100	80	48	670	180	14	51,5	254	36	210	31	150	1000	360	158	1008	368
40-10	282	150	100	48	670	180	14	51,5	318	40	254	36	150	1000	365	158	1008	373
31,5-15	315	200	150	48	670	180	14	51,5	381	46	318	40	170	1020	410	178	1028	418
40-15	355	200	150	48	670	180	14	51,5	381	46	318	40	170	1020	460	178	1028	468
25-20	362	250	200	48	670	180	14	51,5	450	50	381	46	190	1040	435	198	1048	443

¹¹⁾ U skladu s vrijedećim standardima.
In accordance with current standards

Mjere su u (mm) i informativne, proizvođač zadržava pravo izmjene.
All measurements are in mm and for information purposes.
Manufacturer retains the right to change them.

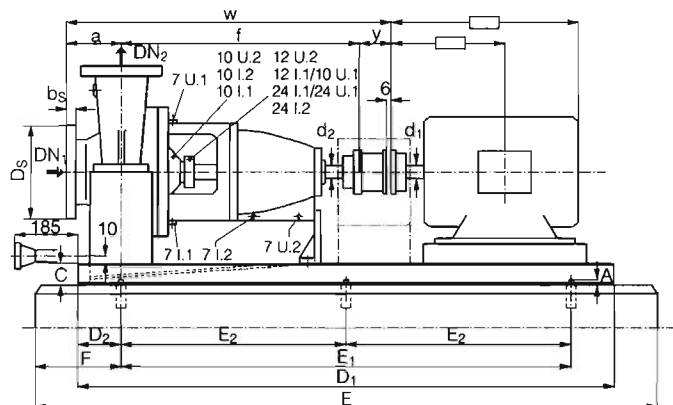
**Odnos pumpe / temeljna ploča
/ veličina h1 (informativna)**

**Relationship Pump / Base Plate /
Value h1 (informative)**

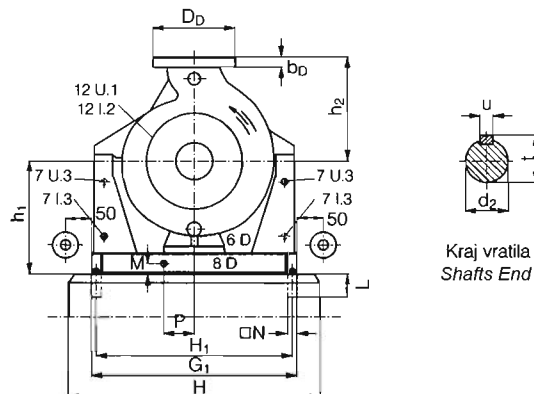
Veličina pumpe Pump Size	IEC d'	80	90 S	90 L	100 L	112 M	132 S	132 M	160 M	160 L	180 M	180 L	200 L	225 S	225 M	250 M	280 S	280 M	315 S	315 S	315 M	355 S	355 M		
		4-pola 4-pole's	19	24	24	28	28	38	—	42	42	48	48	55	60	60	65	75	75	—	80	80	90	90	
		2-pola 2-pole's	19	24	24	28	28	—	38	42	42	48	—	55	—	55	60	65	65	65	—	65	70	70	
16 - 2,5		255	255	255	255	255	255																		
16 - 4		255	255	255	255	255	255																		
Temeljna ploča / Base Plate				3 S																					
20 - 2,5		275	275	275	275	275	275	275																	
20 - 4		275	275	275	275	275	275	275	285																
16 - 5		295	295	295	295	295	295	295	300																
Temeljna ploča / Base Plate				4 S				5 S																	
20 - 5		300	300	300	300	300	300	300	300	300	305	305													
Temeljna ploča / Base Plate				5 S																					
25 - 4					300	300	300	300	300	323	328														
25 - 5					345	345	345	345	345	368	368	368	368	373	373										
16 - 8					345	345	345	345	345	368	368	368	368												
Temeljna ploča / Base Plate				6 S					7 S																
31,5 - 4					368	368	368	368	368	368	368	368	368	373	398										
31,5 - 5					423	423	423	423	423	423	423	423	423	423	423	423	428								
20 - 8					368	368	368	368	368	368	368	368	368	373	373	398									
Temeljna ploča / Base Plate				7 S										8 S											
25 - 8					423	423	423	423	423	423	423	423	423	423	423	423	428	428							
Temeljna ploča / Base Plate				8 S																					
20 - 10					423	423	423	423	423	423	423	423	423	423	423	423	428	428							
Temeljna ploča / Base Plate				7 S										8 S											
25 - 10									448	448	448	448	448	448	448	448	448	463	463						
Temeljna ploča / Base Plate				8 S												9 S									
31,5 - 8									448	448	448	448	448	448	448	448	448	463	463	463					
31,5 - 10									503	503	503	503	503	503	503	503	503	503	503						
Temeljna ploča / Base Plate				9 S																					
40 - 8													563	563	563	563	563	563	563	563	563				
40 - 10													563	563	563	563	563	563	563	563	563				
31,5 - 15													563	563	563	563	563	563	563	563	563				
40 - 15													563	563	563	563	563	563	563	563	563				
25 - 20													563	563	563	563	563	563	563	563	563				
Temeljna ploča / Base Plate				10 S																					

Mjere su u (mm) i informativne, proizvođač zadržava pravo izmjene.
All measurements are in mm and for information purposes.
Manufacturer retains the right to change them.

Mjerna skica agregata po JGT standard



Pump Set Sketch With Dimensions As Per JGT Standards



Dimenzije temeljne ploče i temelja

Base and Base Plate Dimensions

Veličina Size	Težina (kg) Weight (kg)	A	C	D ₁	d ₂	E	E ₁	E ₂	F	G ₁	H	H ₁	L	M	N□	P	Temeljni vijci DIN 529 Base Bolts DIN 529
11	296	18	223	1500	210	1740	1050	-	330	770	1010	712	350	80	90	150	M 30 x 400
12	323	18	223	1800	210	2040	1280	-	330	770	1010	712	350	80	90	150	M 30 x 400
13	425	18	223	2120	210	2360	1580	-	240	900	1140	842	350	80	90	150	M 30 x 400
14	480	20	243	120	280	2360	1500	-	400	980	1220	914	350	100	90	200	M 30 x 400
15	518	20	243	2500	280	2740	1940	-	400	980	1220	914	350	100	90	200	M 30 x 400
16	545	20	243	2120	290	2360	1490	-	410	1180	1420	1116	350	100	90	200	M 30 x 400
17	585	20	243	2500	290	2740	1870	935	410	1180	1420	1116	350	100	90	200	M 30 x 400
18	685	20	263	2500	400	2740	1700	850	520	1320	1560	1245	350	100	90	250	M 30 x 400
19	745	20	263	2800	400	3040	2000	1000	520	1320	1560	1245	350	100	90	250	M 30 x 400
20	787	20	263	2500	290	2740	1870	935	410	1320	1560	1245	350	100	90	250	M 30 x 400
21	765	20	263	2500	400	2740	1700	850	520	1500	1740	1425	350	100	90	250	M 30 x 400
22	833	20	263	2800	400	3040	2000	1000	520	1500	1740	1425	350	100	90	250	M 30 x 400

Mjere su u (mm) i informativne; proizvođač zadržava pravo promjene.
All measurements are in mm and for information purposes.
Manufacturer retains the right to change them.

Dimenzije pumpe

Pump Dimensions

Veličina pumpe Pump Size	Težina Weight	Dimenzije pumpe Pump Dimensions							Usisna priрубica Discharge Flange		Tlačna priрубica Pressure Flange		Za priрубice / For Flanges					
		DN ₁	DN ₂	d ₂	f	y	u	t	D _s ¹⁾	b _s ¹⁾	D _p ¹⁾	b _p ¹⁾	ANSI 150/300-RF PN 16/25/40			ANSI/300-RTJ		
	kg												a	w	h ₂	a	w	h ₂
40-5	220	80	50	42	530	140	12	45,1	210	31	165	25	140	810	315	148	818	323
40-8	257	100	80	48	670	180	14	51,5	254	36	210	31	150	1000	360	158	1008	368
40-10	282	150	100	48	670	180	14	51,5	318	40	254	36	150	1000	365	158	1008	373
25-15	230	200	150	42	530	140	12	45,1	381	46	318	40	170	840	385	178	848	393
31,5-15	315	200	150	48	670	180	14	51,5	381	46	318	40	170	1020	410	178	1028	418
40-15	355	200	150	48	670	180	14	51,5	381	46	318	40	170	1020	460	178	1028	468
50-15	430	200	150	48	670	180	14	51,0	381	46	318	40	180	1030	500	188	1038	508
25-20	362	250	200	48	670	180	14	51,5	450	50	381	46	190	1040	435	198	1048	443
31,5-20	380	250	200	60	720	180	18	64,2	450	50	381	46	210	1110	460	218	1118	468
40-20	473	250	200	60	720	180	18	64,2	450	50	381	46	190	1090	510	198	1098	518
50-25	851	300	250	80	720	180	18	64,2	320	51	450	50	200	1100	670	208	1108	678
40-30	850	350	300	75	900	250	20	79,5	585	54	520	51	300	1450	630	308	1458	638
50-30	900	350	300	75	900	250	20	79,5	585	54	520	51	300	1450	750	308	1458	758
40-35	1250	350	350	75	930	250	20	79,5	585	54	585	54	350	1530	750	358	1538	758
50-35	1600	350	350	75	900	250	20	79,5	585	54	584	54	300	1450	850	308	1458	858

¹⁾ U skladu s vrijedećim standardima.
In accordance with current standards

Mjere su u (mm) i informativne; proizvođač zadržava pravo izmjene.
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Odnos pumpa / temeljna ploča /
veličina h1 (informativna)

Relationship Pump / Base Plate /
Value h1 (informative)

Velicina pumpe Pump Size	IEC	132 S	132 M	160 M	160 L	180 M	180 L	200 L	225 S	225 M	250 M	280 S	280 M	315 S	315 M	315 S	315 M	355 S	355 M	355 L	400 S	400 M
d ¹	4-pola 4-pole's 2-pola 2-pole's	38	-	42	42	48	48	55	60	60	65	75	75	-	80	80	-	80	80	-	80	80
40-5																						
25-15																						
Temeljna ploča / Base Plate																						
40-8																						
40-10																						
31,5-15																						
40-15																						
Temeljna ploča / Base Plate																						
50-15																						
31,5-20																						
40-20																						
Temeljna ploča / Base Plate																						
50-25																						
Temeljna ploča / Base Plate																						
40-30																						
Temeljna ploča / Base Plate																						
50-30																						
Temeljna ploča / Base Plate																						
40-35																						
Temeljna ploča / Base Plate																						
50-35																						
Temeljna ploča / Base Plate																						

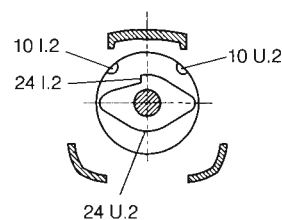
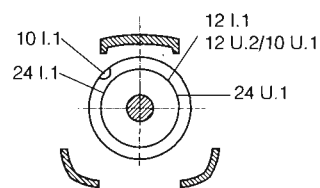
Neupisane na poseban zahtjev.
Not stated can be delivered upon request.

Mjere su informativne u (mm), proizvođač zadržava pravo izmjene.
All measurements are in mm and for information purposes.
Manufacturer retains the right to change them.

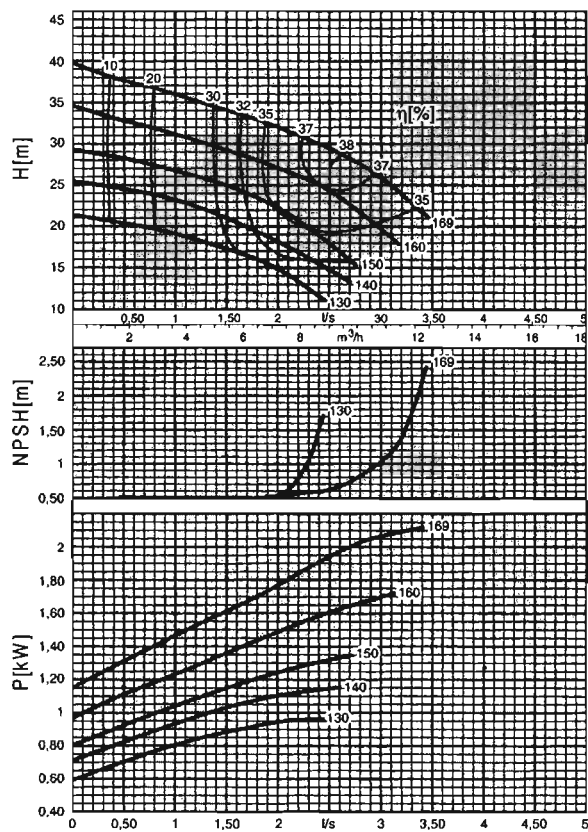
Pomoćni priključci

Additional Fittings

Priključak Fitting	Do / Up to DN ₂ 50 NPT	Preko / Over DN ₂ 80 NPT	Naziv priključka Name Of The Fitting
6 D	1/2	3/4	Drenaža / Derange
7U.1/7I.1	1/2	3/4	Ulaz-izlaz tekućine za hlađenje / Cooling Fluid Inlet-Outlet
7U.2/7I.2	1/2	3/4	Ulaz-izlaz tekućine za hlađenje / Cooling Fluid Inlet-Outlet
7U.3/7I.3	1/2	3/4	Ulaz-izlaz tekućine za hlađenje / Cooling Fluid Inlet-Outlet
7U.5/7I.5			Ulaz-izlaz tekućine za hlađenje / Cooling Fluid Inlet-Outlet
8 D	1	1	Drenaža temeljne ploče / Base Plate Drainage
10U.1/10I.1	1/2	1/2	Ulaz-izlaz brtvenog medija / Sealing Medium Inlet-Outlet
10U.2/10I.2	1/2	1/2	Ulaz-izlaz brtvenog medija / Sealing Medium Inlet-Outlet
12U.1/12I.1	1/2	1/2	Ulaz-izlaz cirkularnog medija / Circular Medium Inlet-Outlet
12U.2/12I.2	1/2	1/2	Ulaz-izlaz cirkularnog medija / Circular Medium Inlet-Outlet
13 D	1/4	1/4	Drenaža ulja / Oil Drainage
13 O	20 Ø	20 Ø	Čep za odzračivanje / Deairing Plug
24I.1	1/2	1/2	Izlaz za quench / Quench Outlet
24U.1	1/2	1/2	Ulaz za quench / Quench Inlet
24U.2	1/4	1/4	Ulaz za quench / Quench Inlet
24I.2	6 Ø	6 Ø	Izlaz za quench / Quench Outlet

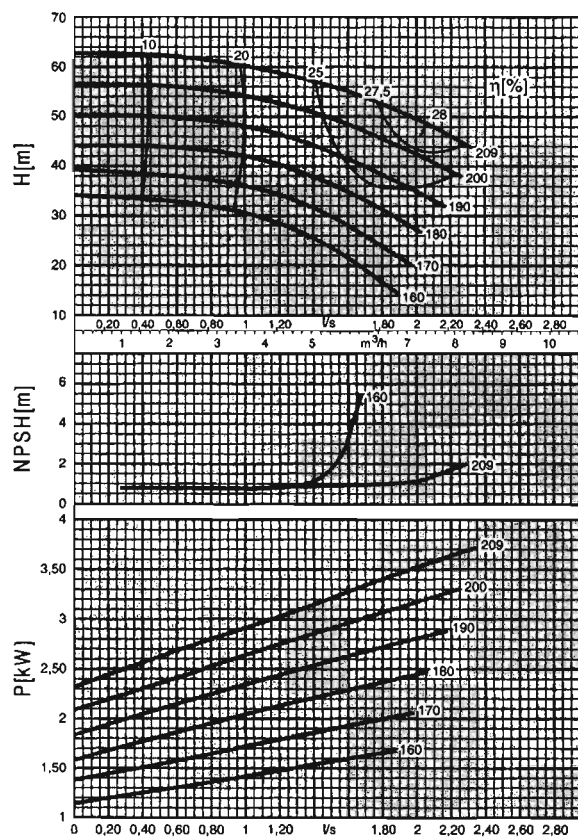


RPP 16-2,5



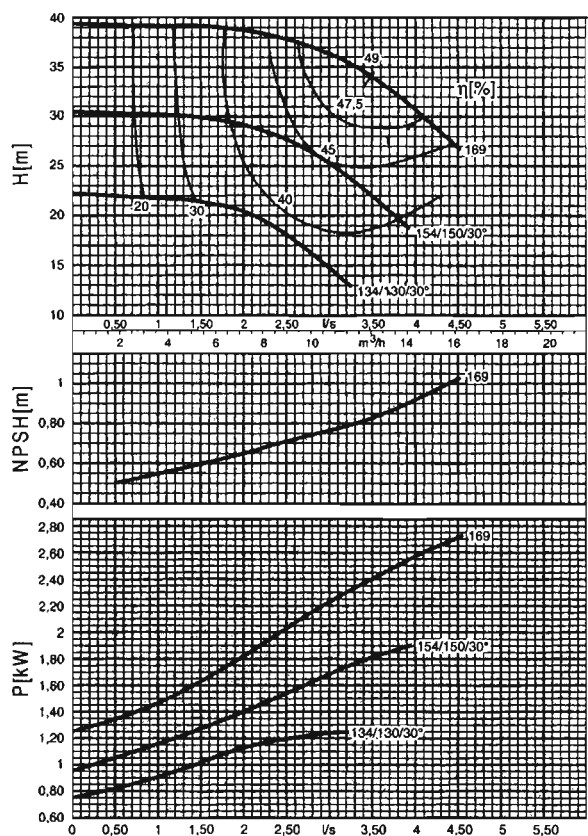
2900 1/min 1312.452/91/5
 Promjer rotora 130-169 mm Širina rotora $\gg b_2 < 8$ mm
 Impeller diameter 130-169 mm Impeller width $\gg b_2 < 8$ mm

RPP 20-2,5



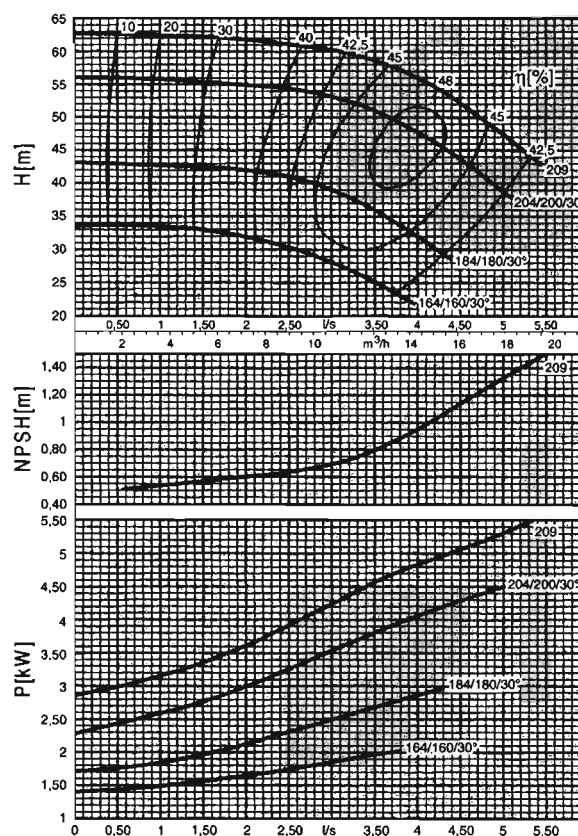
2900 1/min 11312.452/72/4
 Promjer rotora 160-209 mm Širina rotora $\gg b_2 < 8$ mm
 Impeller diameter 160-209 mm Impeller width $\gg b_2 < 8$ mm

RPP 16-4



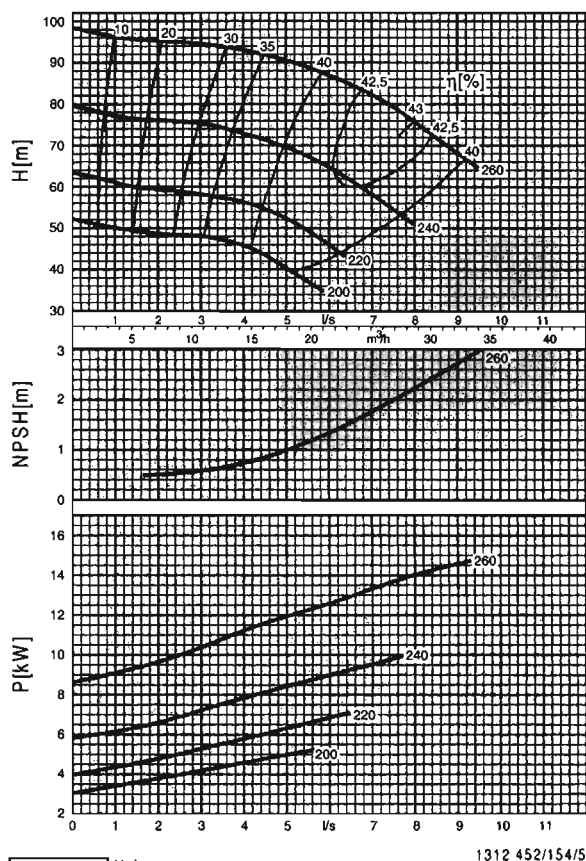
2900 1/min 1312.452/122/5
 Promjer rotora 134-169 mm Širina rotora $\gg b_2 < 7$ mm
 Impeller diameter 134-169 mm Impeller width $\gg b_2 < 7$ mm

RPP 20-4



2900 1/min 11312.452/142/4
 Promjer rotora 164-209 mm Širina rotora $\gg b_2 < 7$ mm
 Impeller diameter 164-209 mm Impeller width $\gg b_2 < 7$ mm

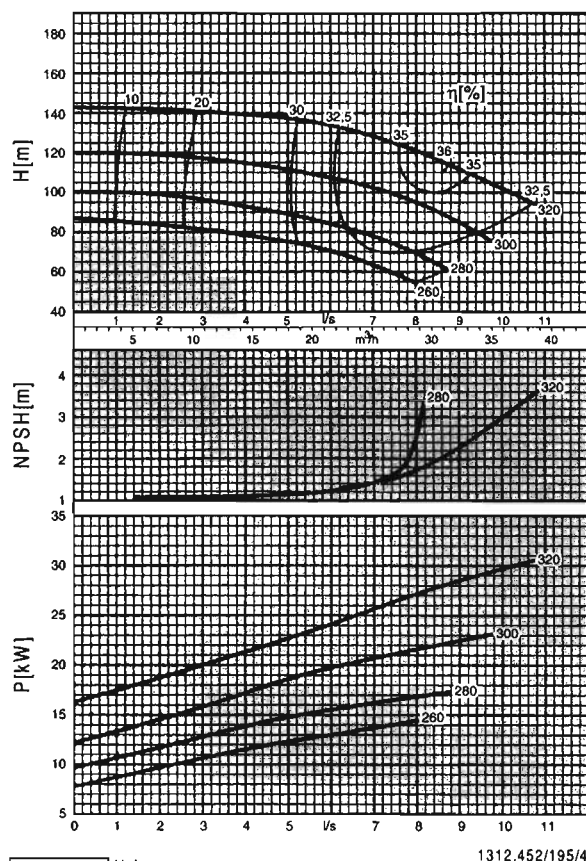
RPP 25-4



2900 1/min

Promjer rotora 200-260 mm Širina rotora >>b₂<< 14 mm
Impeller diameter 200-260 mm Impeller width >>b₂<< 14 mm

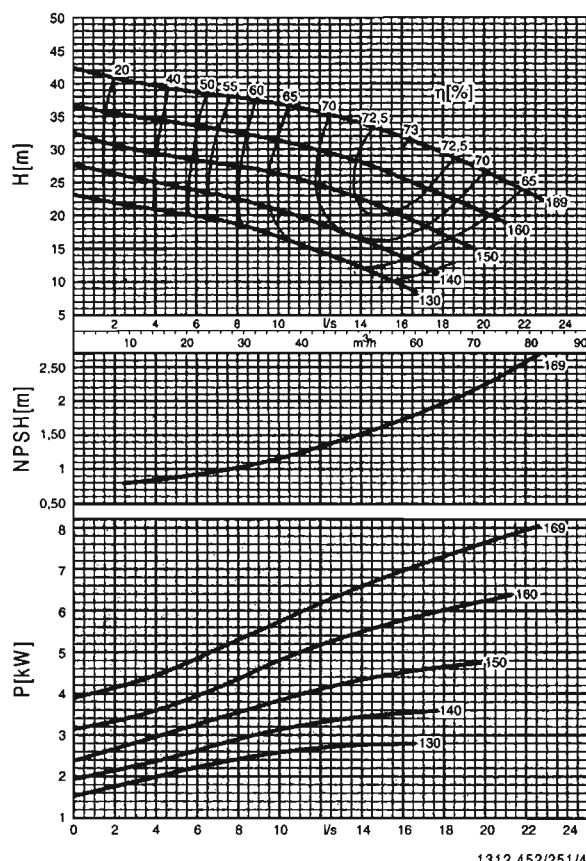
RPP 31,5-4



2900 1/min

Promjer rotora 260-320 mm Širina rotora >>b₂<< 10,5 mm
Impeller diameter 260-320 mm Impeller width >>b₂<< 10,5 mm

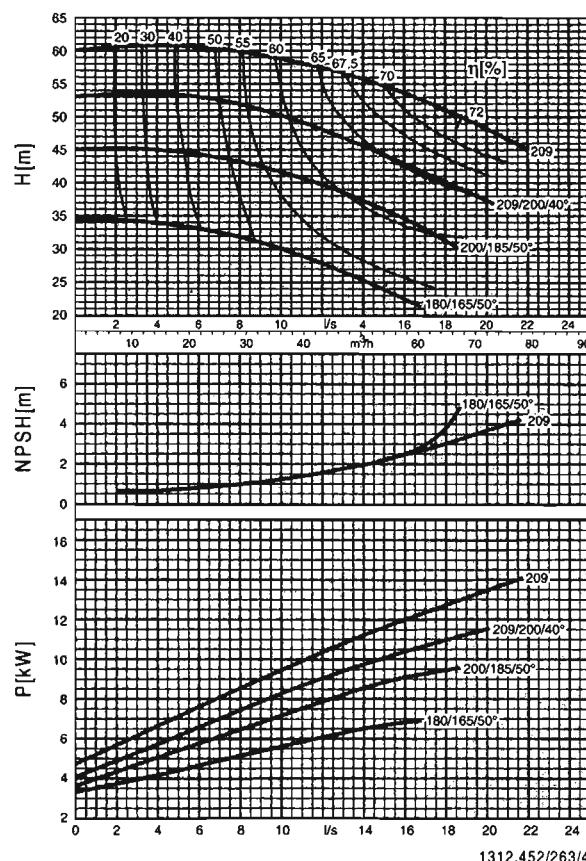
RPP 16-5



2900 1/min

Promjer rotora 130-169 mm Širina rotora >>b₂<< 21 mm
Impeller diameter 130-169 mm Impeller width >>b₂<< 21 mm

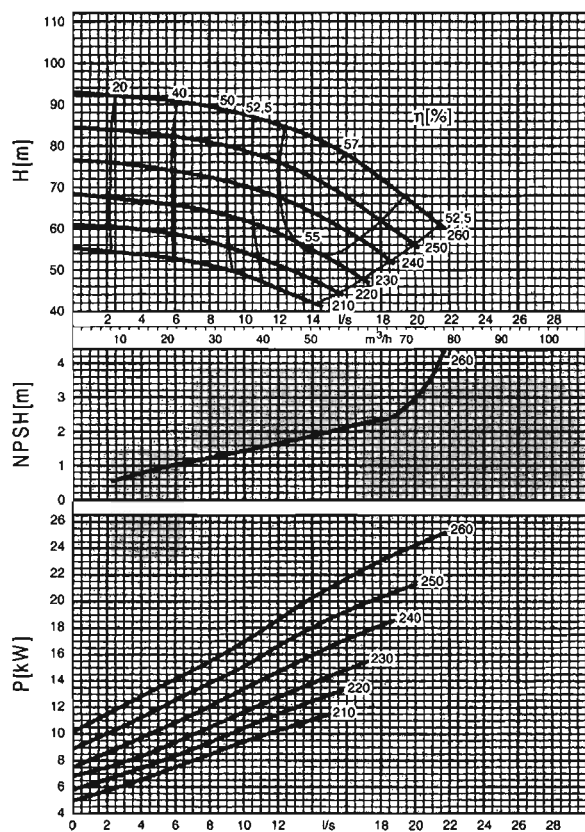
RPP 20-5



2900 1/min

Promjer rotora 180-209 mm Širina rotora >>b₂<< 12 mm
Impeller diameter 180-209 mm Impeller width >>b₂<< 12 mm

RPP 25-5

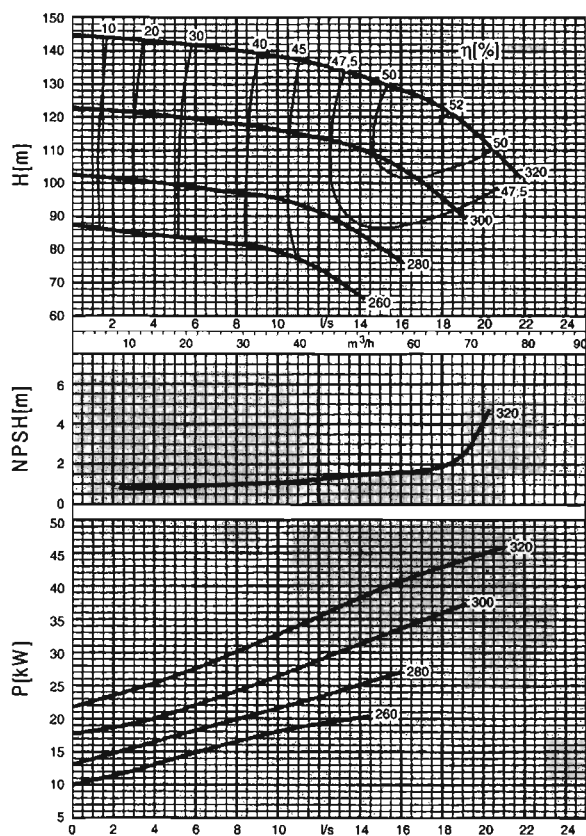


2900 1/min

Promjer rotora 210-260 mm Širina rotora >>b₂<< 15 mm
Impeller diameter 210-260 mm Impeller width >>b₂<< 15 mm

1312.452/253/4

RPP 31,5-5

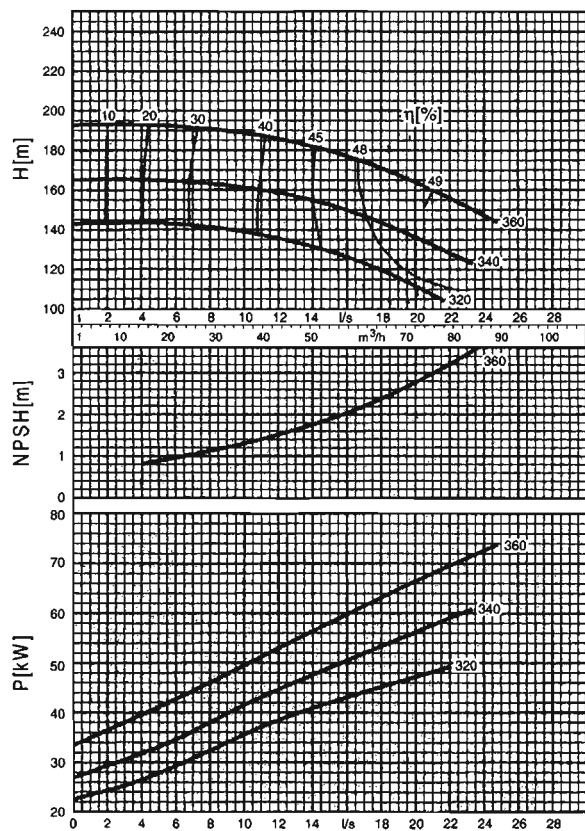


2900 1/min

Promjer rotora 260-320 mm Širina rotora >>b₂<< 13 mm
Impeller diameter 260-320 mm Impeller width >>b₂<< 13 mm

1312.452/265

RPP 40-5

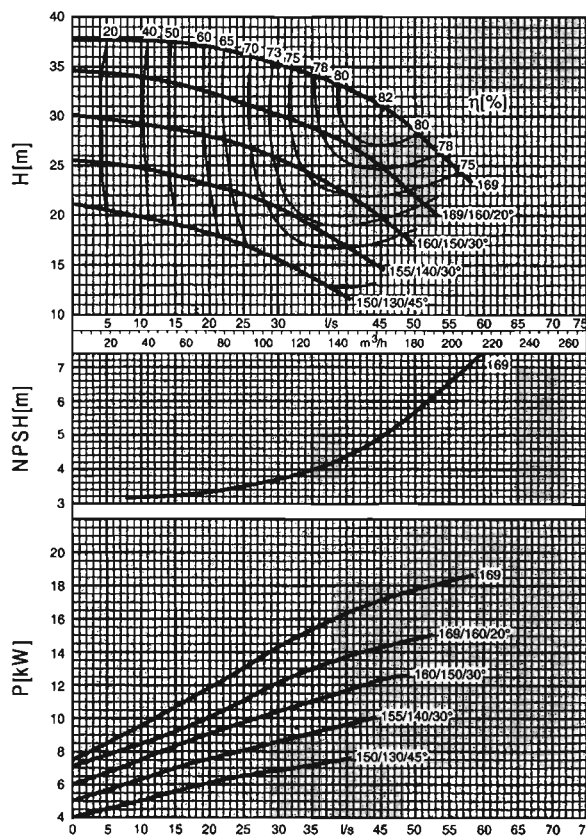


2900 1/min

Promjer rotora 320-360 mm Širina rotora >>b₂<< 8 mm
Impeller diameter 320-360 mm Impeller width >>b₂<< 8 mm

11312.452/276/2

RPP 16-8

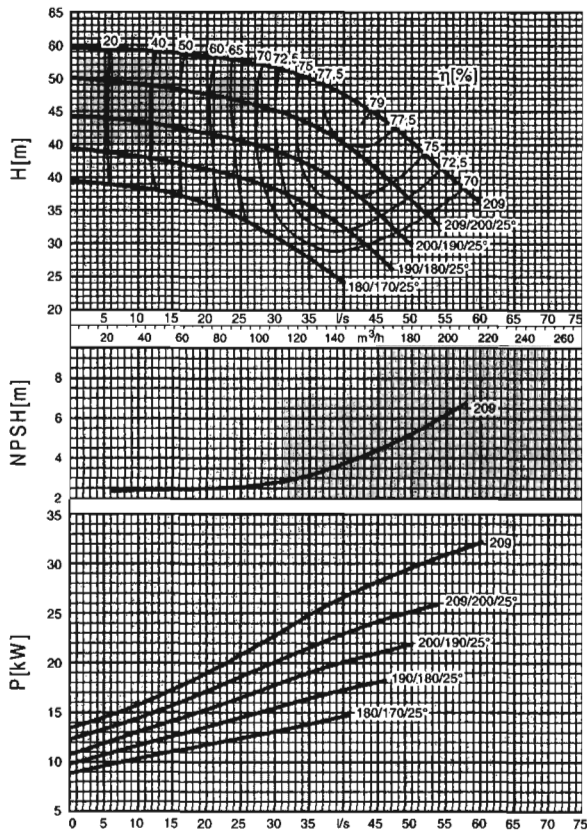


2900 1/min

Promjer rotora 150-169 mm Širina rotora >>b₂<< 27 mm
Impeller diameter 150-169 mm Impeller width >>b₂<< 27 mm

1312.452/341/4

RPP 20-8

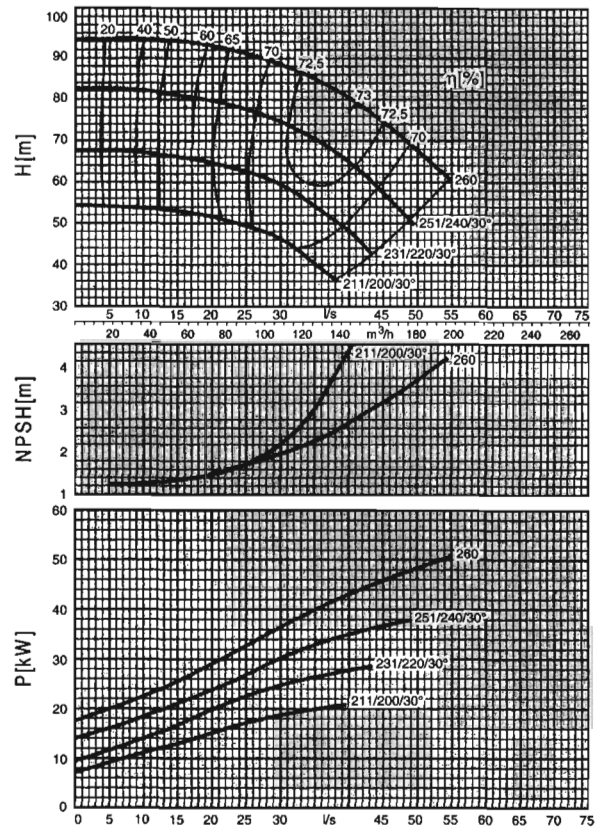


2900

1/min

Promjer rotora 180-209 mm Širina rotora $>b_2 < 22$ mm
Impeller diameter 180-209 mm Impeller width $>b_2 < 22$ mm

RPP 25-8

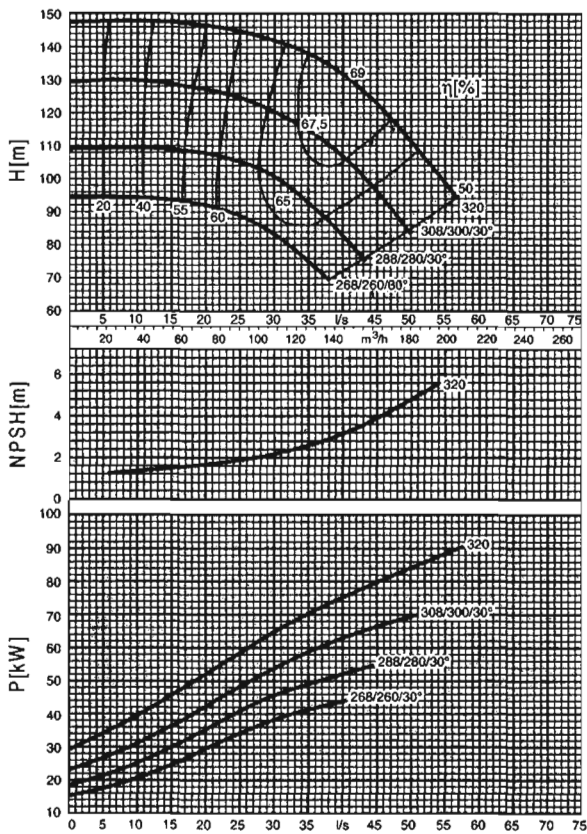


2900

1/min

Promjer rotora 211-260 mm Širina rotora $>b_2 < 18$ mm
Impeller diameter 211-260 mm Impeller width $>b_2 < 18$ mm

RPP 31,5-8

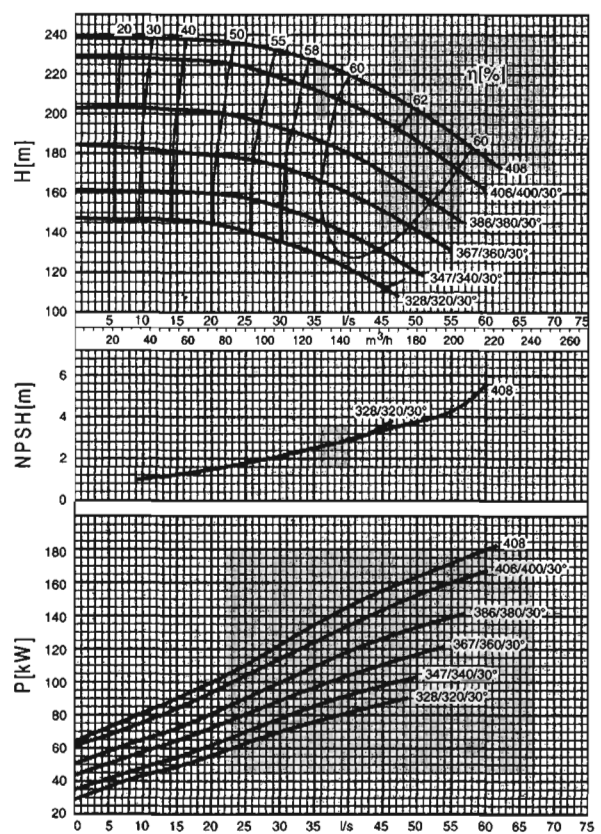


2900

1/min

Promjer rotora 268-320 mm Širina rotora $>b_2 < 14$ mm
Impeller diameter 268-320 mm Impeller width $>b_2 < 14$ mm

RPP 40-8

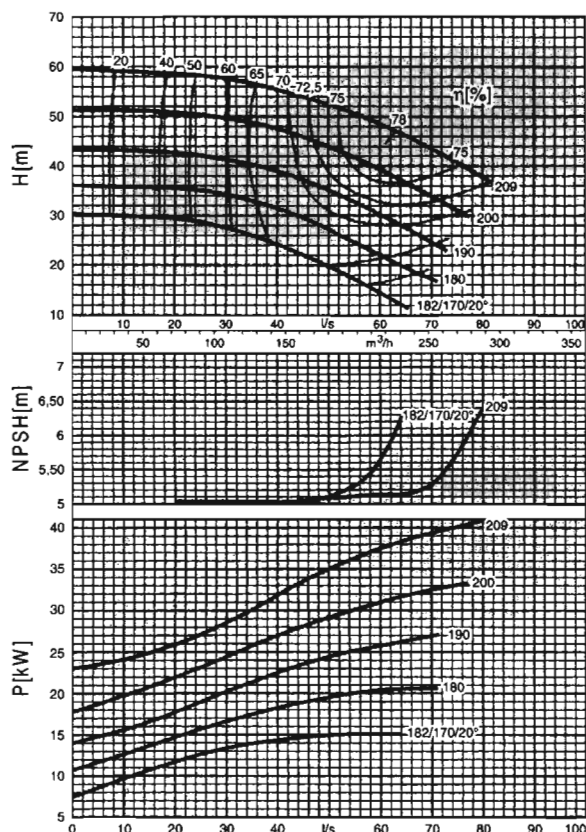


2900

1/min

Promjer rotora 328-408 mm Širina rotora $>b_2 < 11$ mm
Impeller diameter 328-408 mm Impeller width $>b_2 < 11$ mm

RPP 20-10



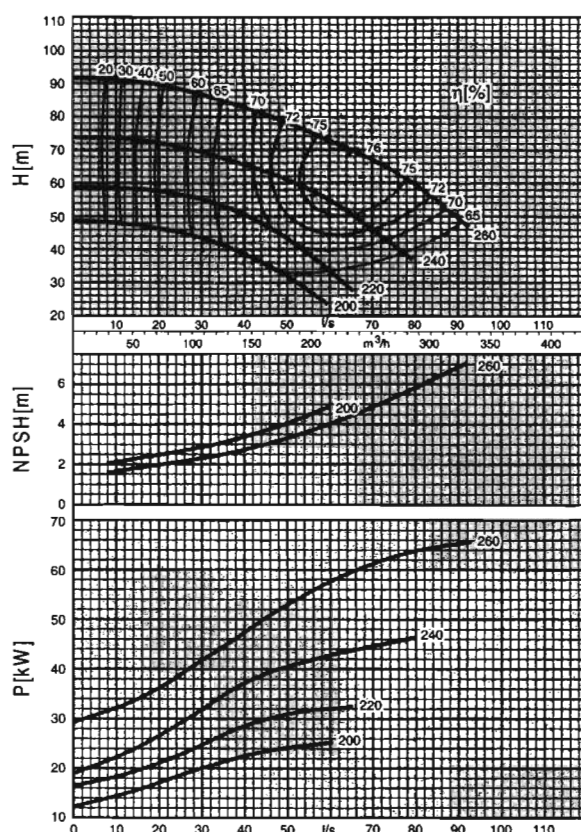
2900

1/min

Promjer rotora 200-260 mm Širina rotora >>b<< 30 mm
Impeller diameter 200-260 mm Impeller width >>b<< 30 mm

1312.452/382/4

RPP 25-10



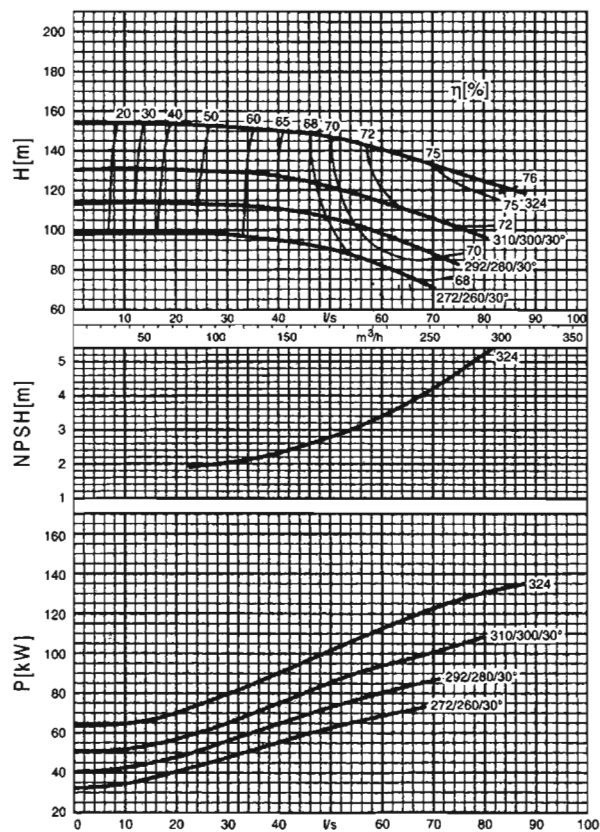
2900

1/min

Promjer rotora 200-260 mm Širina rotora >>b<< 28 mm
Impeller diameter 200-260 mm Impeller width >>b<< 28 mm

1312.452/373/4

RPP 31,5-10



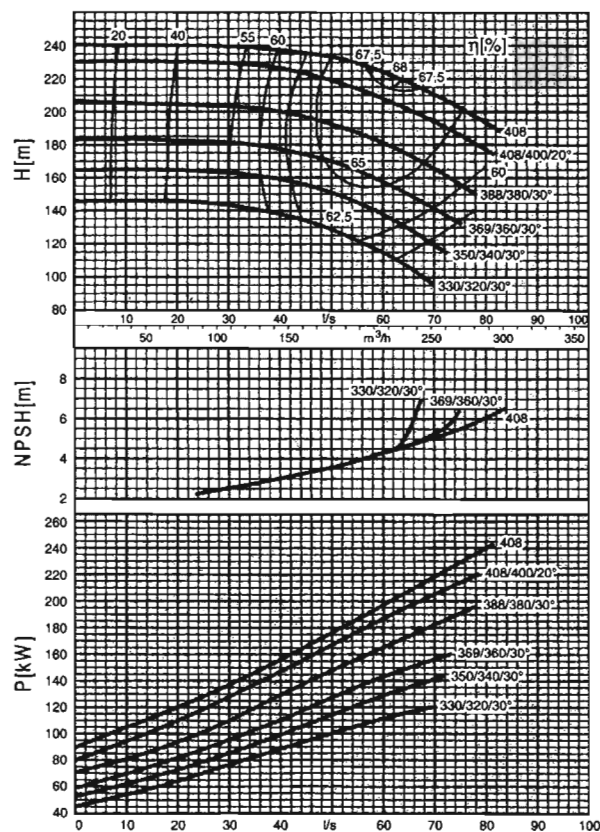
2900

1/min

Promjer rotora 272-324 mm Širina rotora >>b<< 19,5 mm
Impeller diameter 272-324 mm Impeller width >>b<< 19,5 mm

1312.452/375/4

RPP 40-10



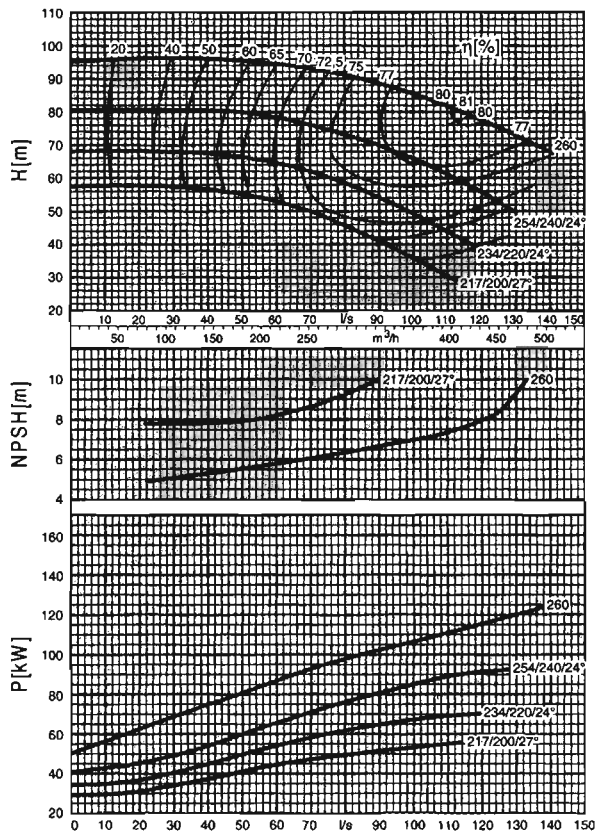
2900

1/min

Promjer rotora 330-408 mm Širina rotora >>b<< 15 mm
Impeller diameter 330-408 mm Impeller width >>b<< 15 mm

1312.452/376/3

RPP 25-15

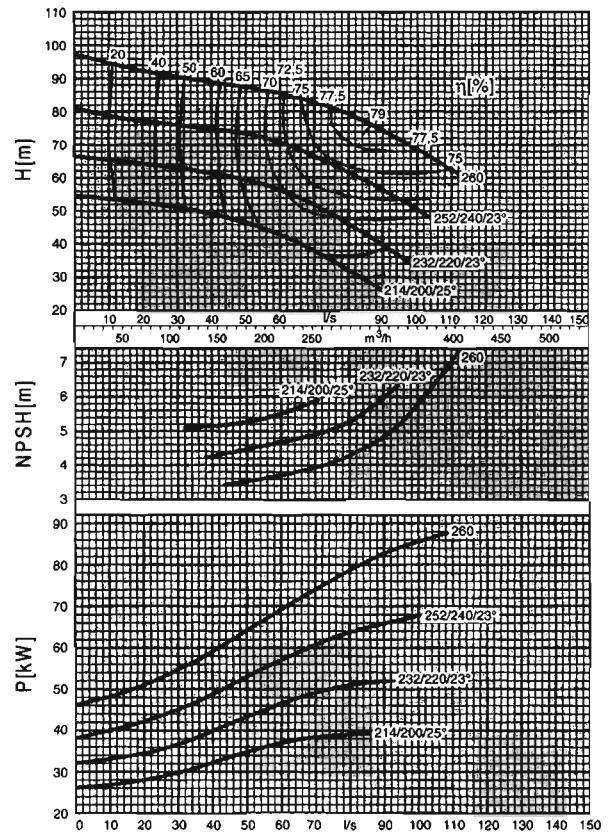


2900

1/min

Promjer rotora 217-260 mm Širina rotora >> b_2 << 32 mm
Impeller diameter 217-260 mm Impeller width >> b_2 << 32 mm

RPP 25-15

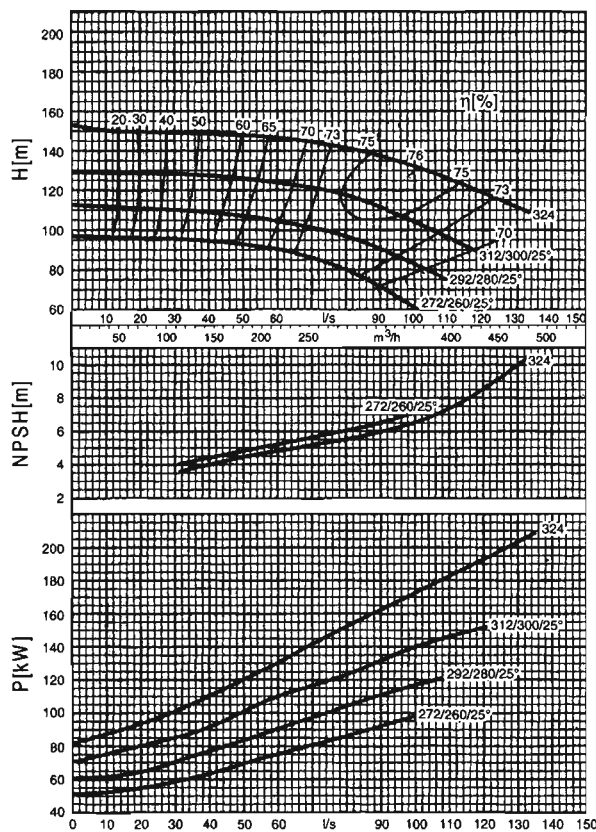


2900

1/min

Promjer rotora 214-260 mm Širina rotora >> b_2 << 30 mm
Impeller diameter 214-260 mm Impeller width >> b_2 << 30 mm

RPP 31,5-15

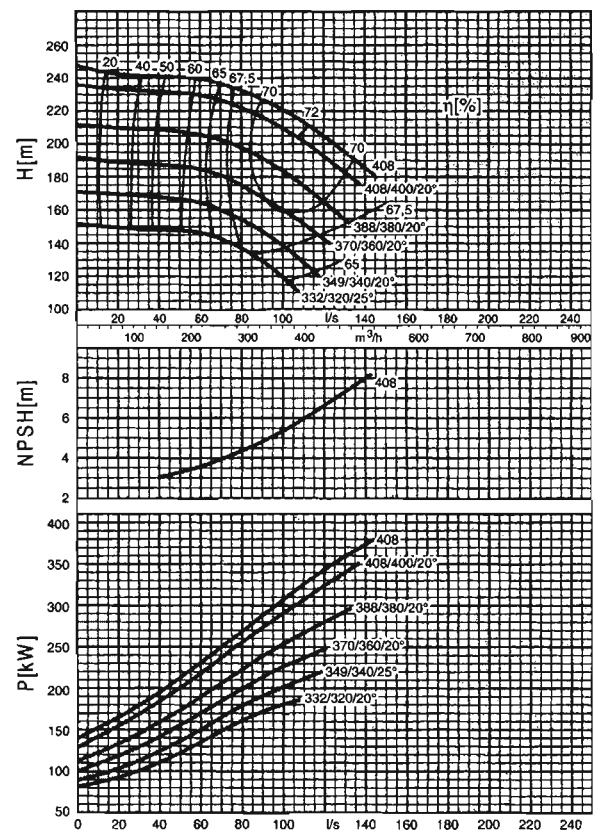


2900

1/min

Promjer rotora 272-324 mm Širina rotora >> b_2 << 26 mm
Impeller diameter 272-324 mm Impeller width >> b_2 << 26 mm

RPP 40-15

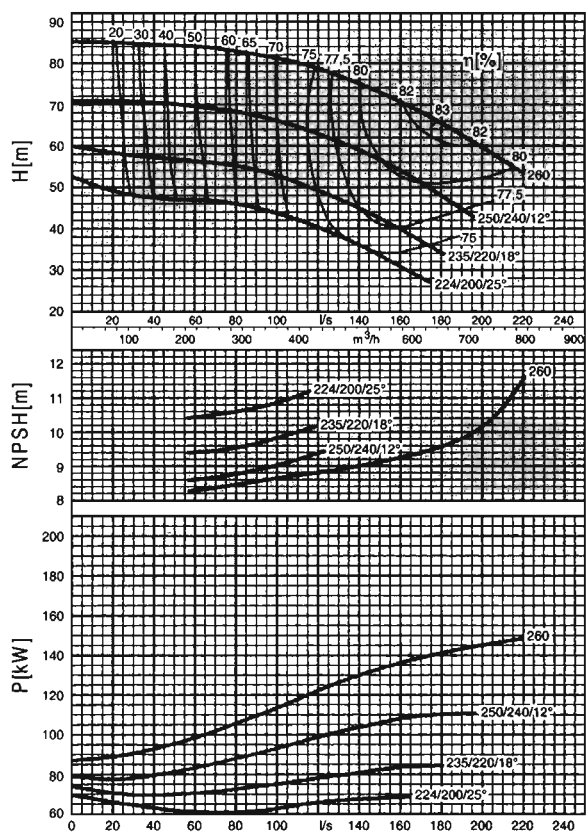


2900

1/min

Promjer rotora 332-408 mm Širina rotora >> b_2 << 23 mm
Impeller diameter 332-408 mm Impeller width >> b_2 << 23 mm

RPP 25-20



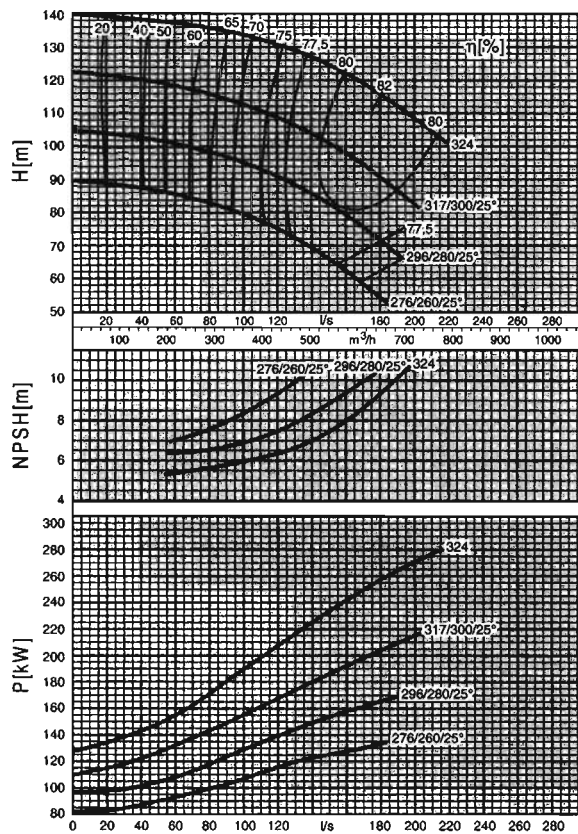
2900

1/min

1312.452/463/3

Promjer rotora 224-260 mm Širina rotora >>b<< 46 mm
Impeller diameter 224-260 mm Impeller width >>b<< 46 mm

RPP 31,5-20



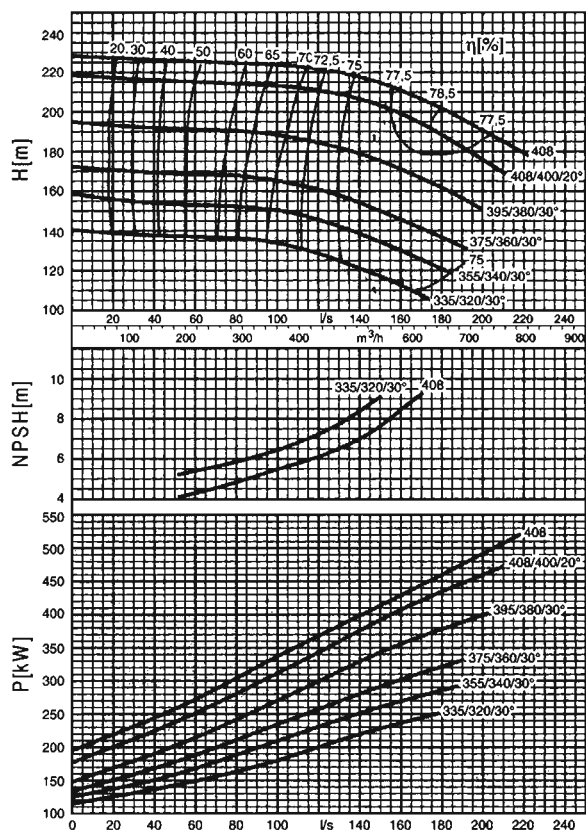
2900

1/min

1312.452/465/3

Promjer rotora 276-324 mm Širina rotora >>b<< 34 mm
Impeller diameter 276-324 mm Impeller width >>b<< 34 mm

RPP 40-20



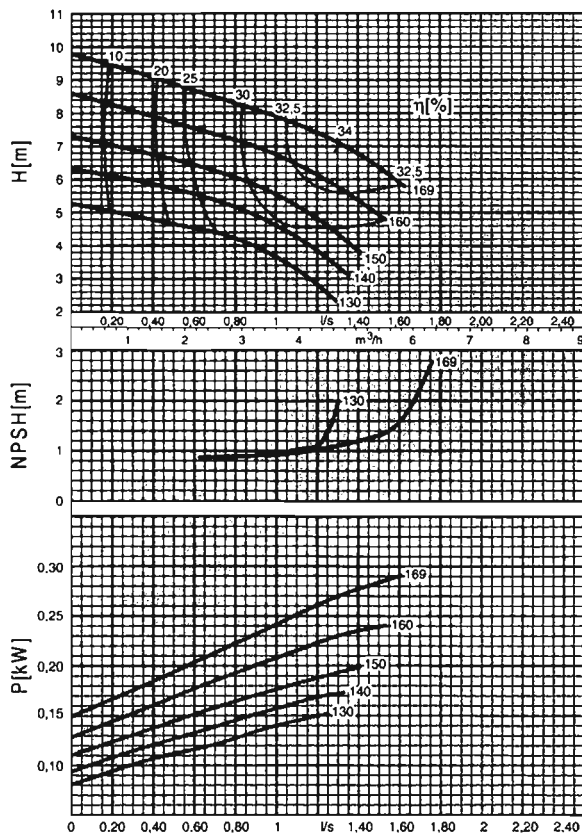
2900

1/min

1312.452/466/5

Promjer rotora 335-408 mm Širina rotora >>b<< 26 mm
Impeller diameter 335-408 mm Impeller width >>b<< 26 mm

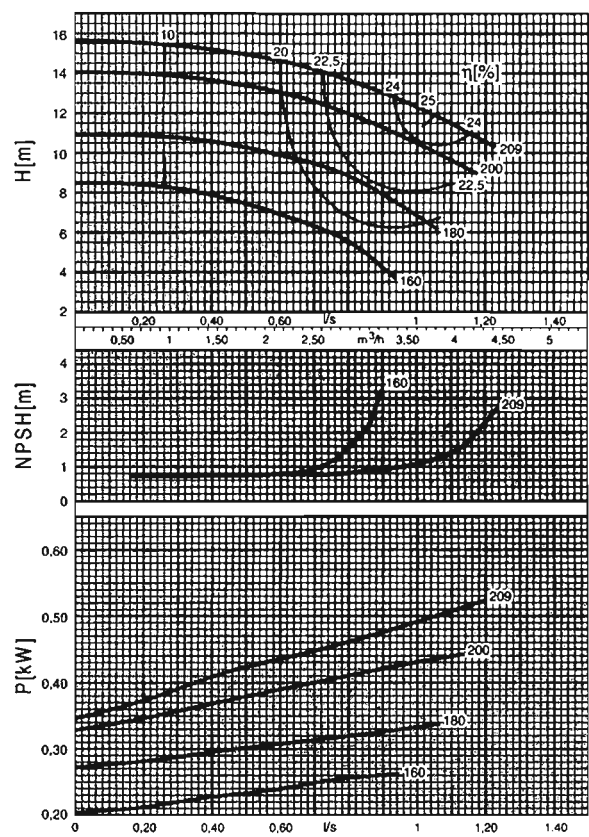
RPP 16-2,5



1450 1/min

Promjer rotora 130-169 mm Širina rotora $\gg b_2 \ll 8$ mm
Impeller diameter 130-169 mm Impeller width $\gg b_2 \ll 8$ mm

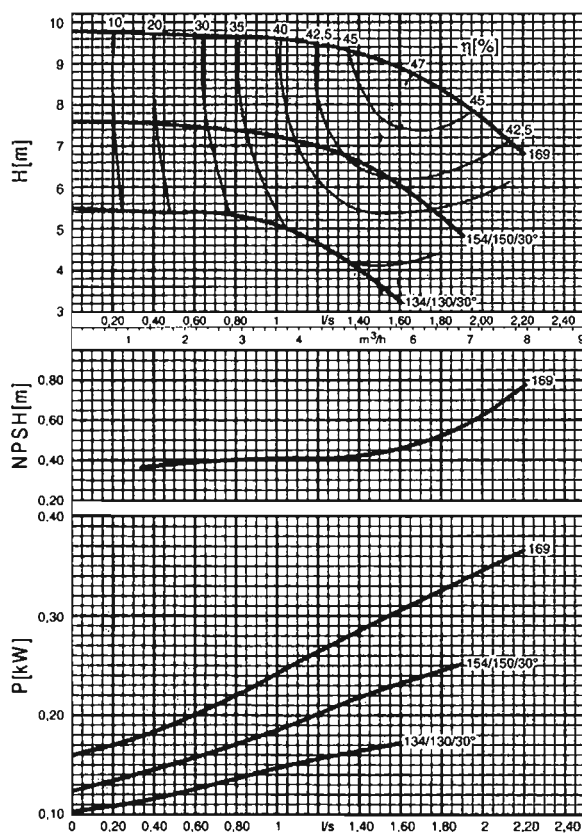
RPP 20-2,5



1450 1/min

Promjer rotora 160-209 mm Širina rotora $\gg b_2 \ll 8$ mm
Impeller diameter 160-209 mm Impeller width $\gg b_2 \ll 8$ mm

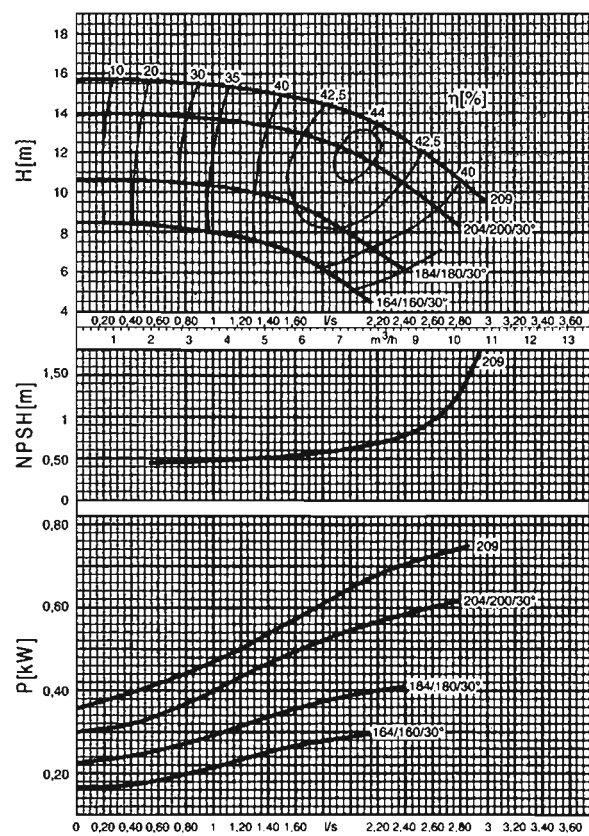
RPP 16-4



1450 1/min

Promjer rotora 134-169 mm Širina rotora $\gg b_2 \ll 7$ mm
Impeller diameter 134-169 mm Impeller width $\gg b_2 \ll 7$ mm

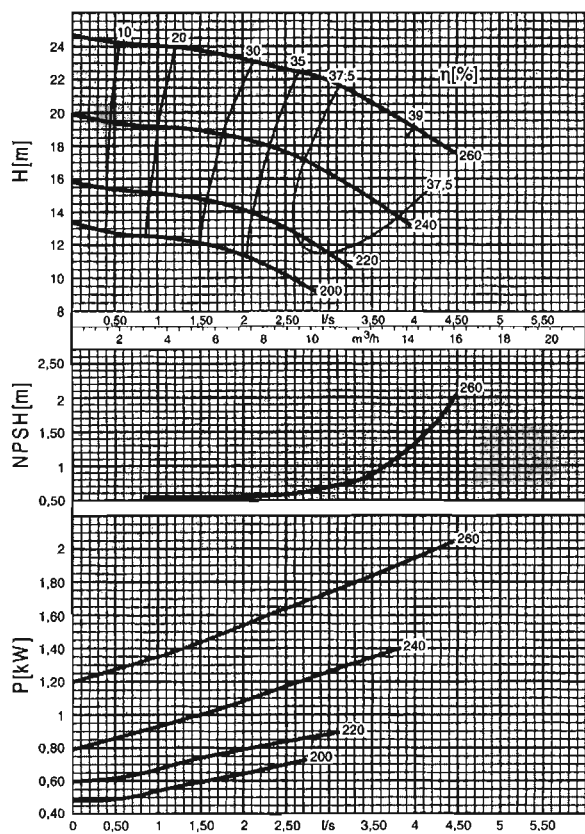
RPP 20-4



1450 1/min

Promjer rotora 164-209 mm Širina rotora $\gg b_2 \ll 7$ mm
Impeller diameter 164-209 mm Impeller width $\gg b_2 \ll 7$ mm

RPP 25-4



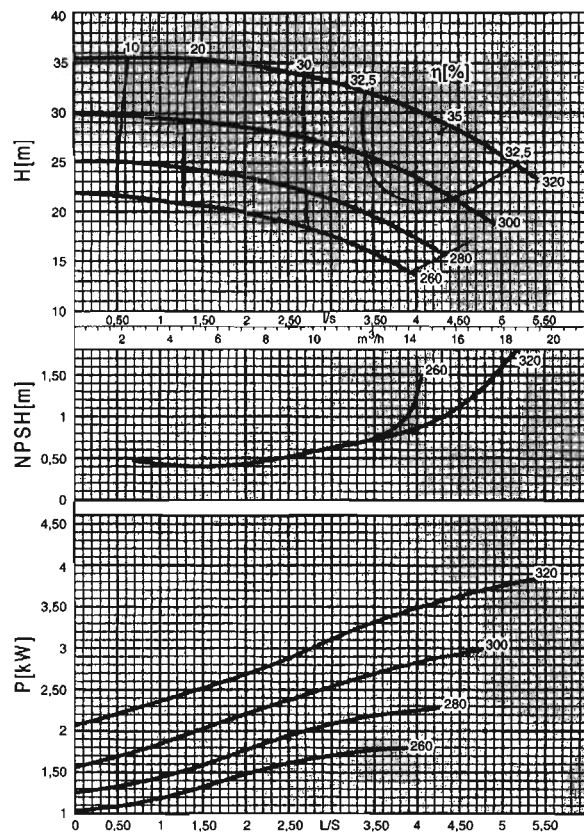
1450

1/min

Promjer rotora 200-260 mm Širina rotora $>b_2 < 14$ mm
Impeller diameter 200-260 mm Impeller width $>b_2 < 14$ mm

1312.454/154/4

RPP 31.5-4



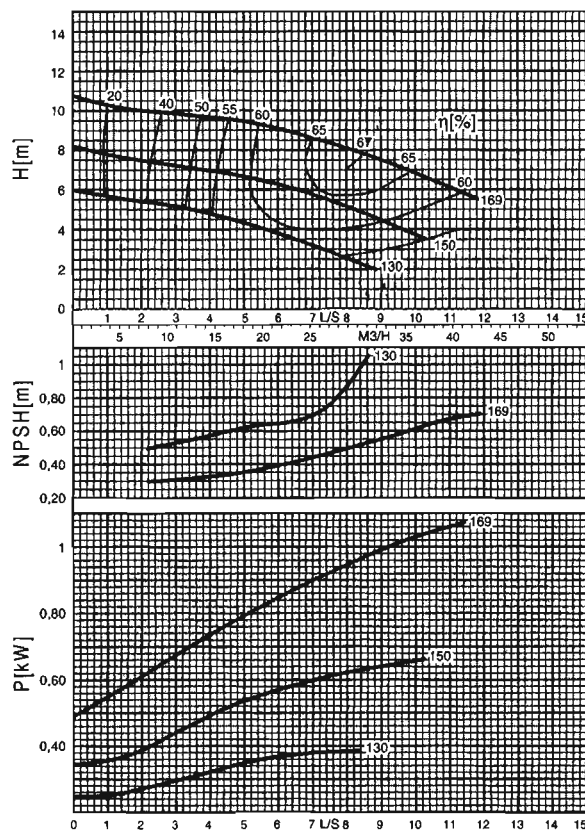
1450

1/min

Promjer rotora 260-320 mm Širina rotora $>b_2 < 10,5$ mm
Impeller diameter 260-320 mm Impeller width $>b_2 < 10,5$ mm

1312.454/195/3

RPP 16-5



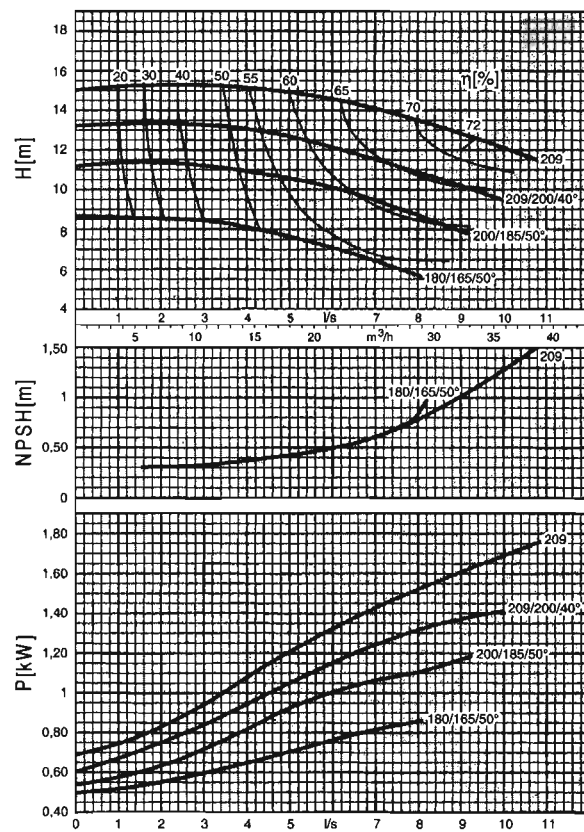
1450

1/min

Promjer rotora 130-169 mm Širina rotora $>b_2 < 21$ mm
Impeller diameter 130-169 mm Impeller width $>b_2 < 21$ mm

1312.454/251/3

RPP 20-5



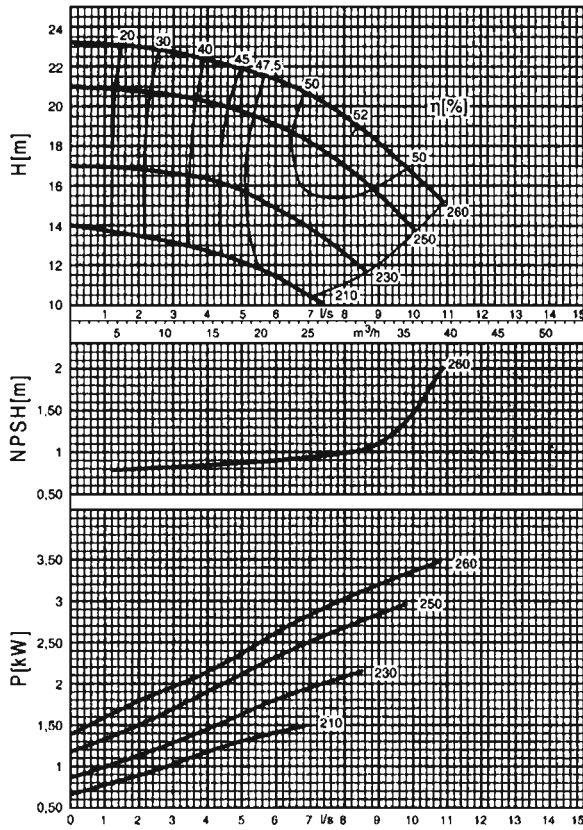
1450

1/min

Promjer rotora 180-209 mm Širina rotora $>b_2 < 12$ mm
Impeller diameter 180-209 mm Impeller width $>b_2 < 12$ mm

1312.454/263/3

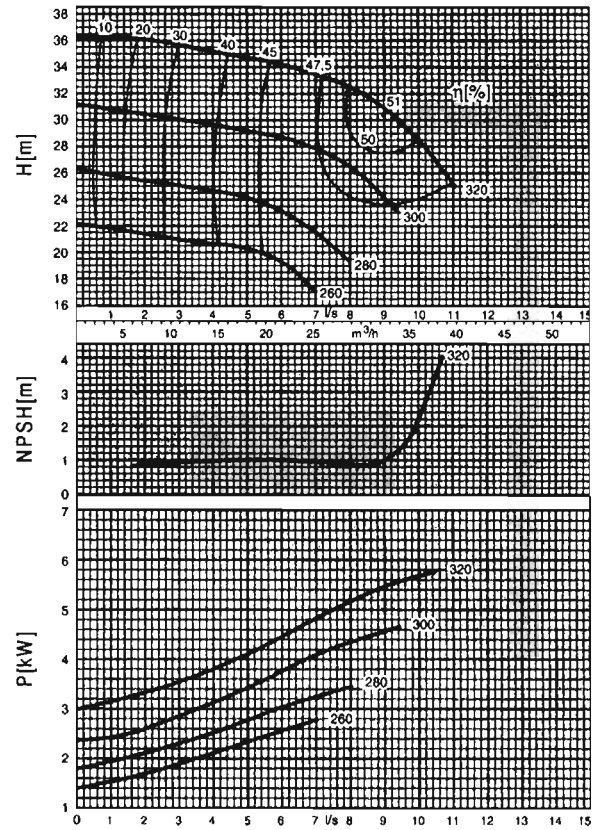
RPP 25-5



1450 1/min

Promjer rotora 210-260 mm Širina rotora $\gg b_2 \ll 15$ mm
Impeller diameter 210-260 mm Impeller width $\gg b_2 \ll 15$ mm

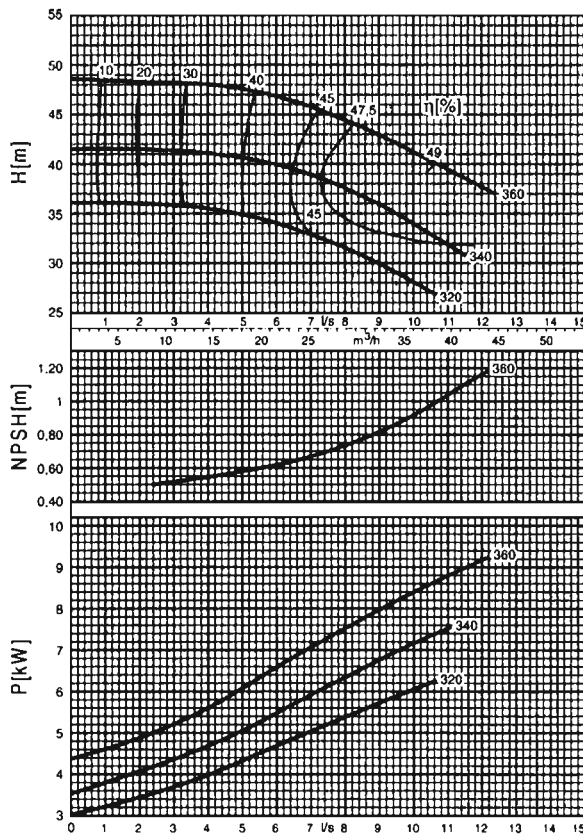
RPP 31,5-5



1450 1/min

Promjer rotora 260-320 mm Širina rotora $\gg b_2 \ll 13$ mm
Impeller diameter 260-320 mm Impeller width $\gg b_2 \ll 13$ mm

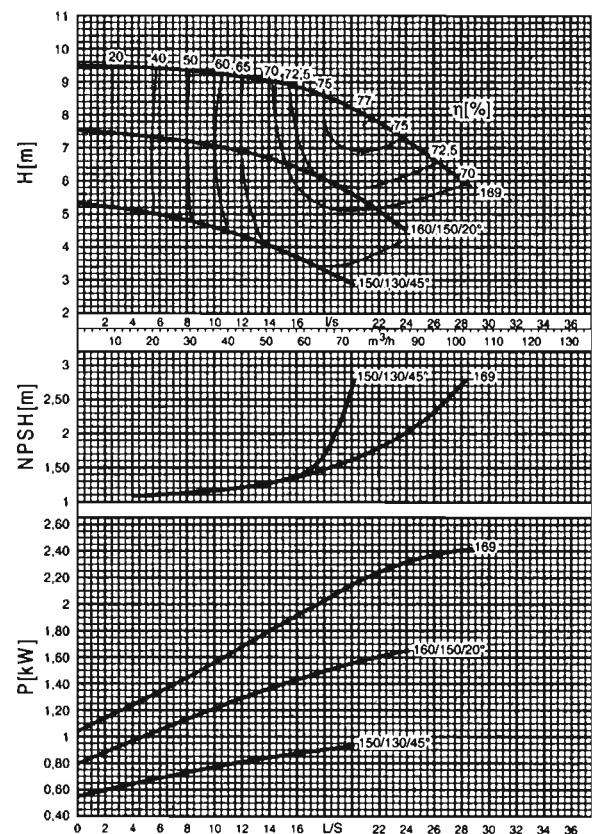
RPP 40-5



1450 1/min

Promjer rotora 320-360 mm Širina rotora $\gg b_2 \ll 8$ mm
Impeller diameter 320-360 mm Impeller width $\gg b_2 \ll 8$ mm

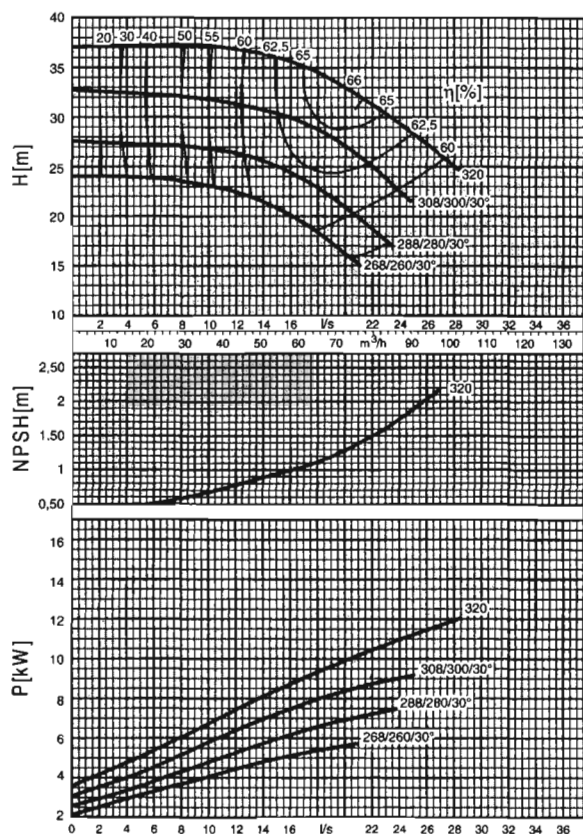
RPP 16-8



1450 1/min

Promjer rotora 150/169 mm Širina rotora $\gg b_2 \ll 27$ mm
Impeller diameter 150/169 mm Impeller width $\gg b_2 \ll 27$ mm

RPP 31,5-8



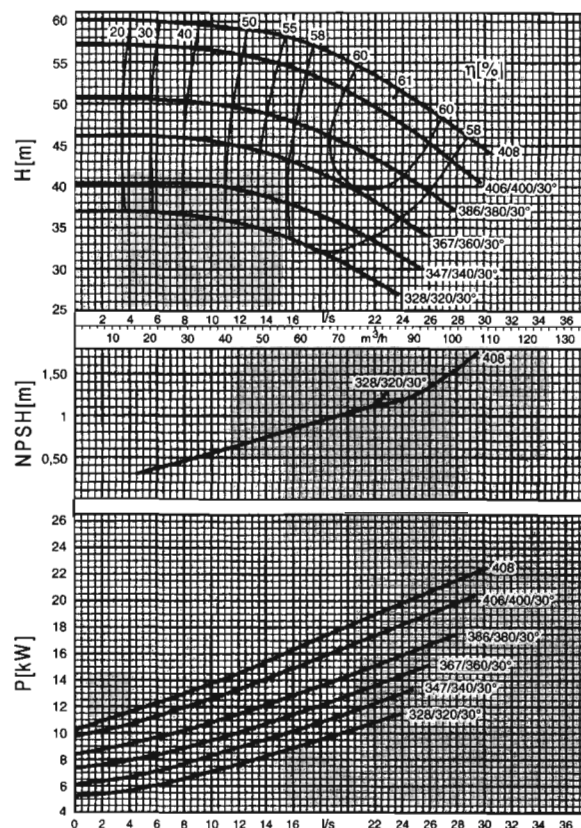
1450

1/min

1312.454/345/3

Promjer rotora 180-209 mm Širina rotora $\gg b_2 < 22$ mm
Impeller diameter 180-209 mm Impeller width $\gg b_2 < 22$ mm

RPP 40-8



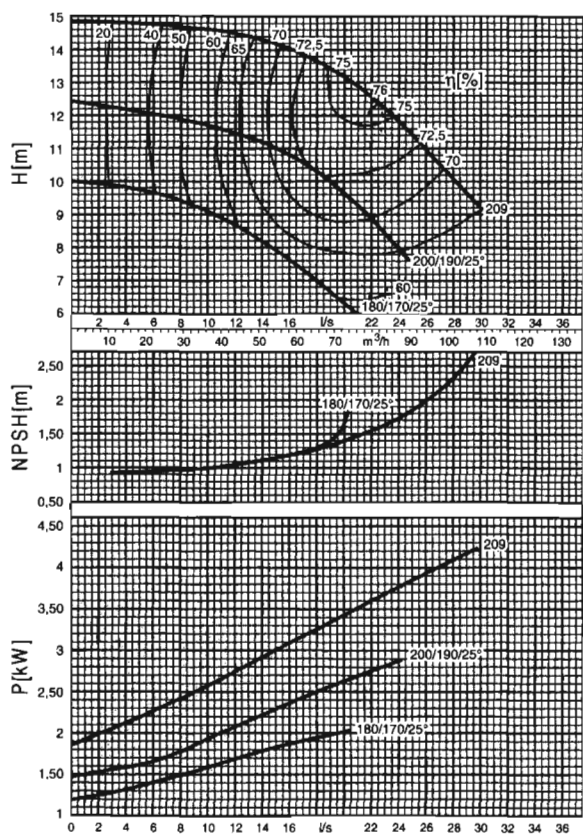
1450

1/min

1312.454/356/3

Promjer rotora 211-260 mm Širina rotora $\gg b_2 < 18$ mm
Impeller diameter 211-260 mm Impeller width $\gg b_2 < 18$ mm

RPP 20-8



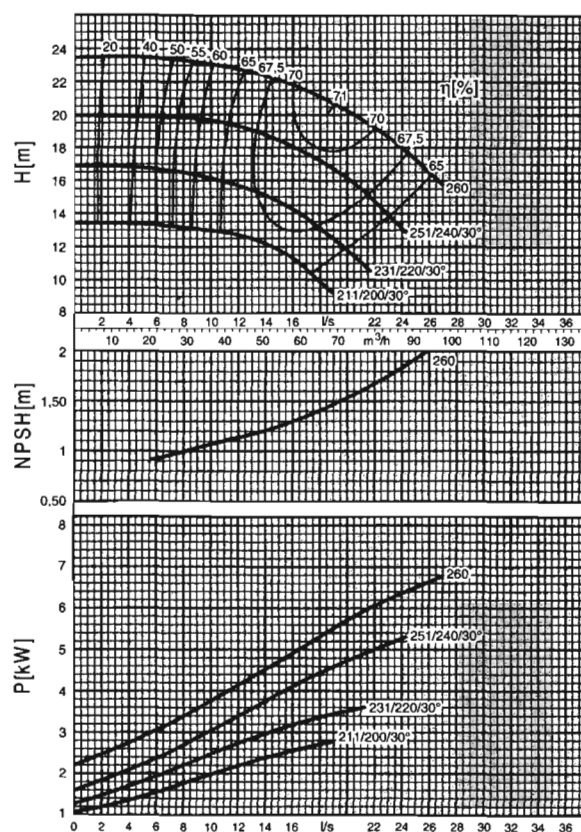
1450

1/min

1312.454/342/3

Promjer rotora 268-320 mm Širina rotora $\gg b_2 < 14$ mm
Impeller diameter 268-320 mm Impeller width $\gg b_2 < 14$ mm

RPP 25-8



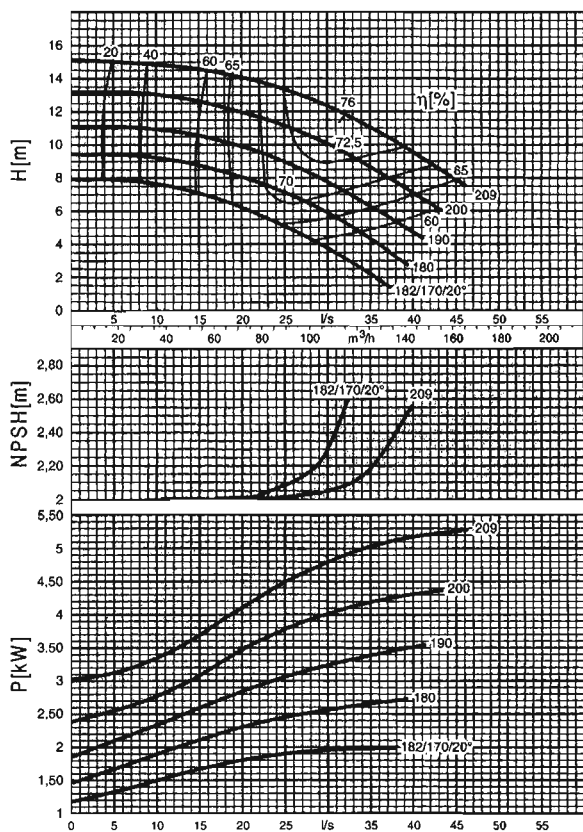
1450

1/min

1312.454/343/3

Promjer rotora 328-408 mm Širina rotora $\gg b_2 < 11$ mm
Impeller diameter 328-408 mm Impeller width $\gg b_2 < 11$ mm

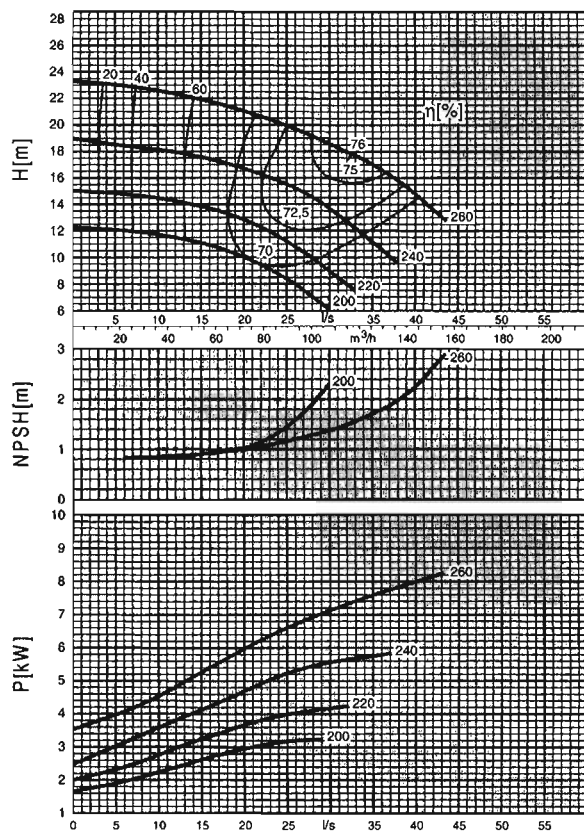
RPP 20-10



1450 1/min

Promjer rotora 182-209 mm Širina rotora $\gg b_2 < 30$ mm
Impeller diameter 182-209 mm Impeller width $\gg b_2 < 30$ mm

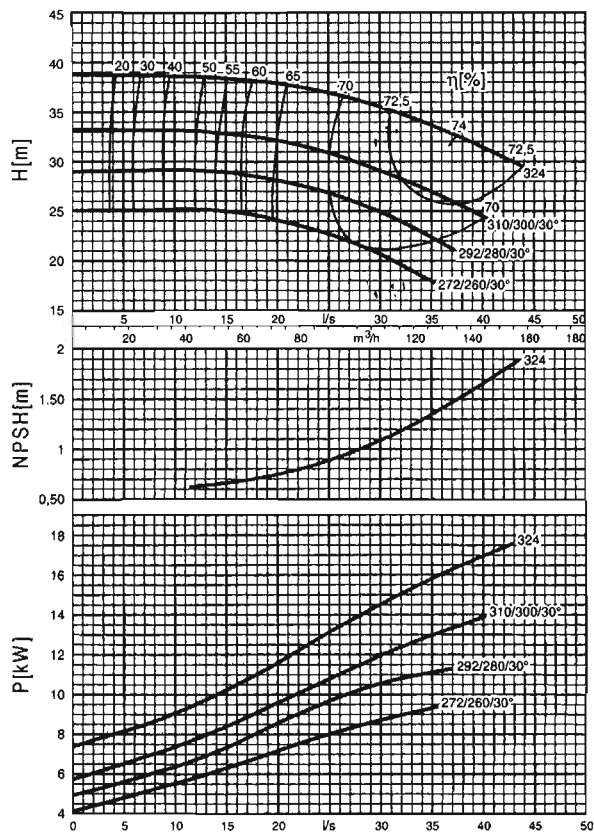
RPP 25-10



1450 1/min

Promjer rotora 200-260 mm Širina rotora $\gg b_2 < 28$ mm
Impeller diameter 200-260 mm Impeller width $\gg b_2 < 28$ mm

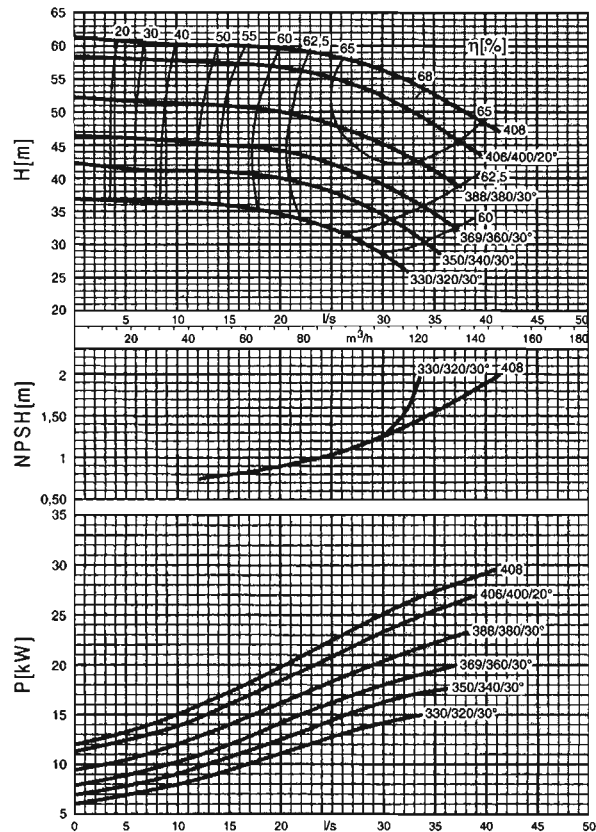
RPP 31,5-10



1450 1/min

Promjer rotora 272-324 mm Širina rotora $\gg b_2 < 19,5$ mm
Impeller diameter 272-324 mm Impeller width $\gg b_2 < 19,5$ mm

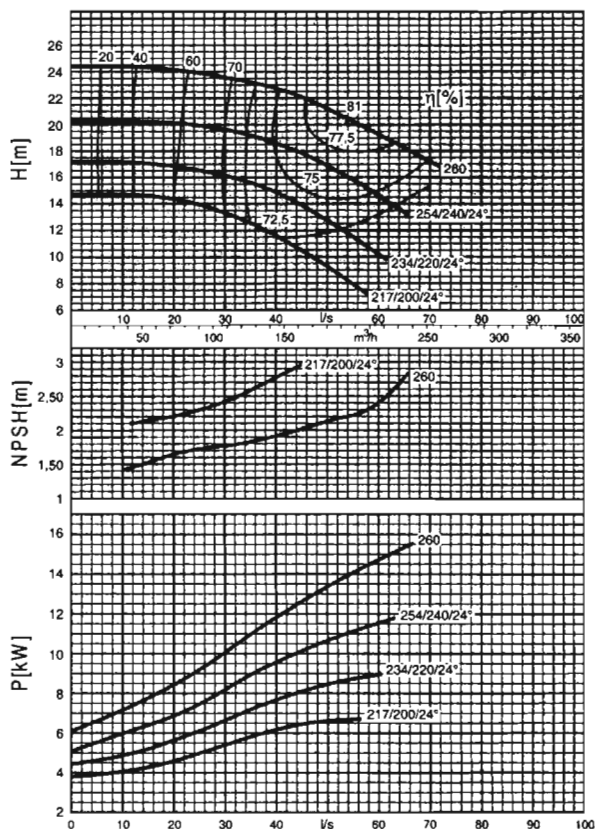
RPP 40-10



1450 1/min

Promjer rotora 330-408 mm Širina rotora $\gg b_2 < 15$ mm
Impeller diameter 330-408 mm Impeller width $\gg b_2 < 15$ mm

RPP 25-15

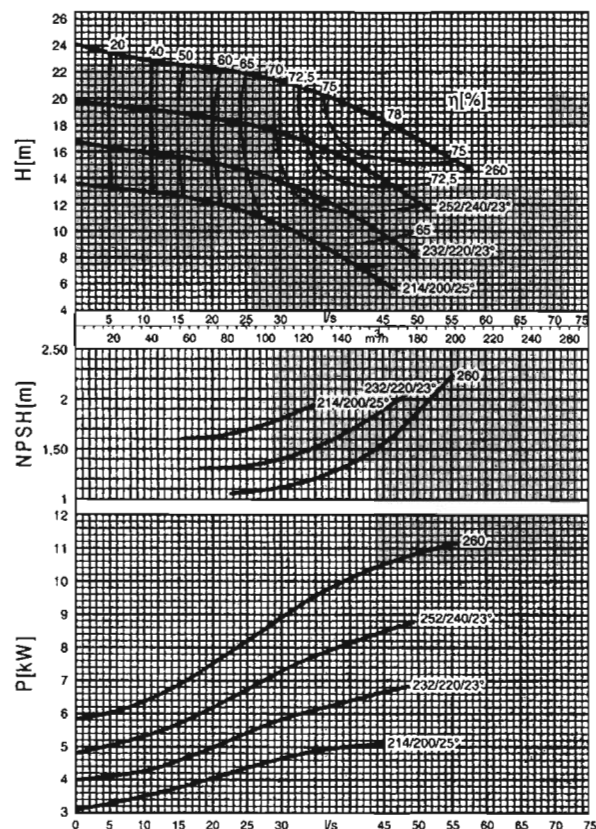


1450

1/min

Promjer rotora 217-260 mm Širina rotora $\gg b_2 < 32$ mm
Impeller diameter 217-260 mm Impeller width $\gg b_2 < 32$ mm

RPP 25-15

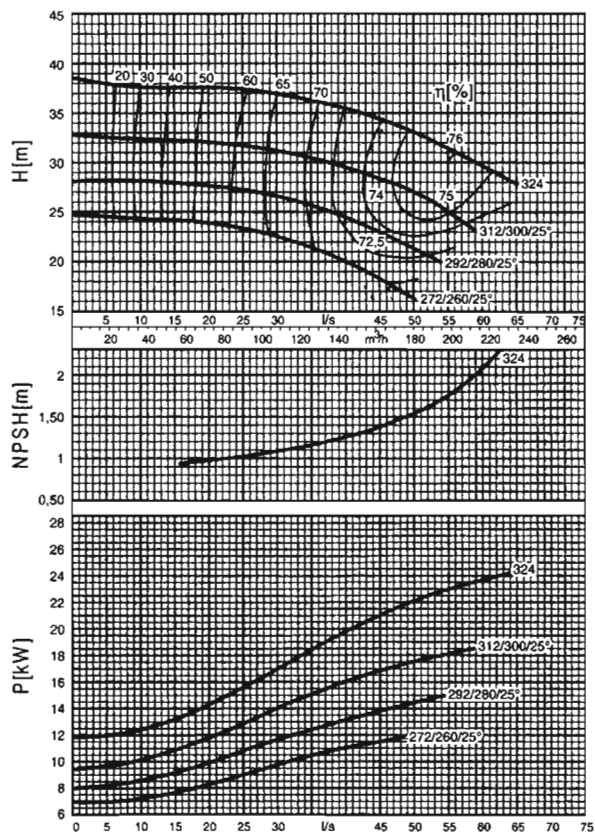


1450

1/min

Promjer rotora 214-260 mm Širina rotora $\gg b_2 < 30$ mm
Impeller diameter 214-260 mm Impeller width $\gg b_2 < 30$ mm

RPP 31,5-15

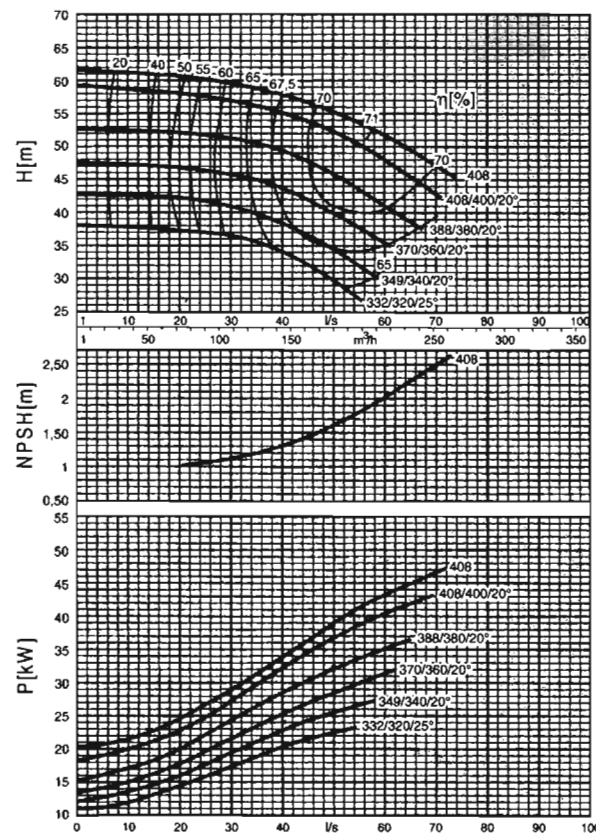


1450

1/min

Promjer rotora 272-324 mm Širina rotora $\gg b_2 < 26$ mm
Impeller diameter 272-324 mm Impeller width $\gg b_2 < 26$ mm

RPP 40-15

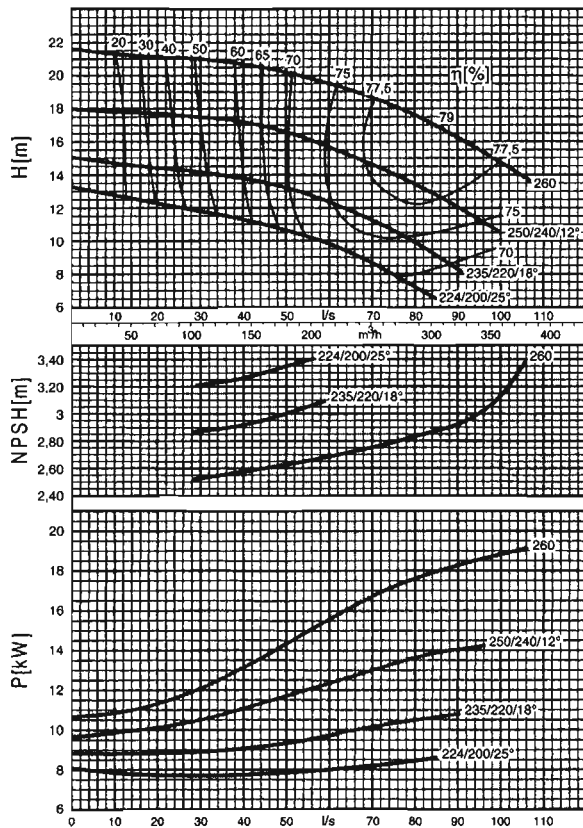


1450

1/min

Promjer rotora 332-408 mm Širina rotora $\gg b_2 < 23$ mm
Impeller diameter 332-408 mm Impeller width $\gg b_2 < 23$ mm

RPP 25-20

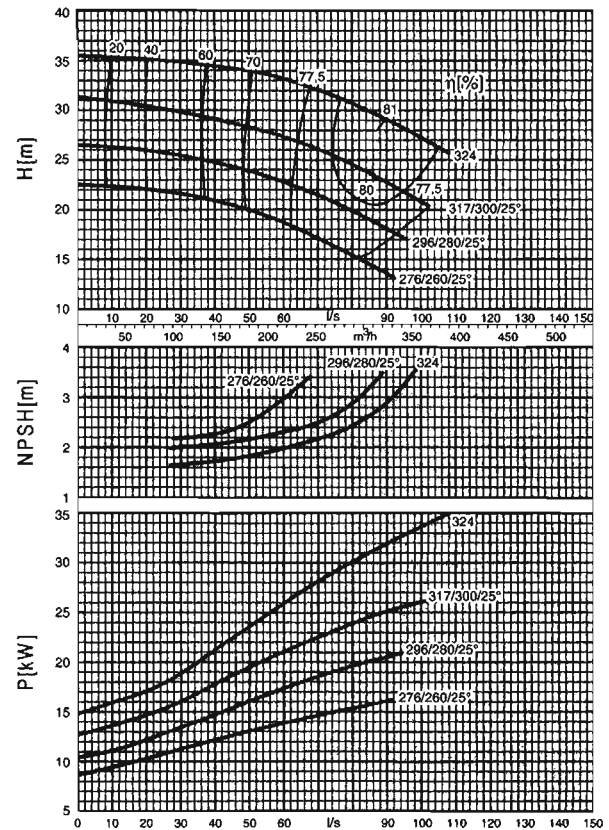


1450

1/min

Promjer rotora 224-260 mm Širina rotora >>b₂<< 46 mm
Impeller diameter 224-260 mm Impeller width >>b₂<< 46 mm

RPP 31,5-20

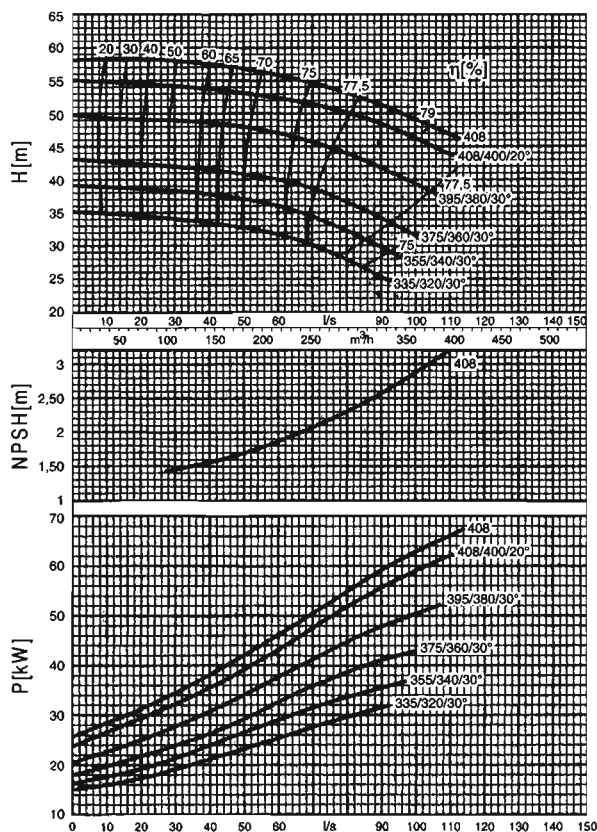


1450

1/min

Promjer rotora 276-324 mm Širina rotora >>b₂<< 34 mm
Impeller diameter 276-324 mm Impeller width >>b₂<< 34 mm

RPP 40-20



1450

1/min

Promjer rotora 335-408 mm Širina rotora >>b₂<< 26 mm
Impeller diameter 225-408 mm Impeller width >>b₂<< 26 mm



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