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Pompa · Yangın Söndürme Sistemleri · Hidrofor

MICRA POMPA VE MAKİNA İMALAT LTD. ŞTİ.



ECO SGT SERIES HORIZONTAL END SUCTION CENTRIFUGAL NORM PUMPS



Dağyaka mah. 614. cadde No:134 Kahramankazan / Ankara

+ 90 312 250 99 99

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GENERAL INFORMATION

Discharge Flange	DN 32 - DN 250
Capacity	up to 1700 m ³ /h
Head	up to 100 m
Working Temperature	From -25 °C to +140 °C*
Casign Pressure (Pmax)	10 bar (16 bar)*

(Pmax: Suction Pressure + Shut off Head)

(*) Depending on the type of liquid, operating temperature and pressure. The pump material changes. Please contact our company for detailed information.

Transfarable Liquids

- Clean or slightly contaminated low viscosity liquids without solid & fibrous particles.

Shaft Sealing

- Soft packing is used in standard production
- It is possible to use mechanical seal according to customer request or type of liquid.

Applications

Water Treatment and Pressurization	Power Plants
Heating, Ventilating and Air Conditioning	Oil Industry
Agricultural Irrigation and Drainage	Chemical Industry
Food and Beverage Industry	Mining
Iron and Steel Industry	Marine
Building System	Fire Fighting



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MATERIAL OPTIONS

MALZEME SEÇENEKLERİ

Part List	0.6025	0.7040	1.7043	1.0619	1.4308	1.4309	1.4408	1.4409	1.4500	1.4517	1.4469	1.4317	1.4008	2.1050.01	2.1050.01	2.1096.01	1.0503	1.4021	1.4021+QT	1.4301	1.4404	1.4460	1.4462	Parça Listesi	
Volute Casing	●	○	○	○	○	○	○	○	○	○	○	○	○	○											Salyangoz Gövde
Seal Box	●	○	○	○	○	○	○	○	○	○	○	○	○	○											Salmastra Kutusu
Impeller	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○							○		Çark
Shaft																	○	●	○	○	○		○		Mil
Bearing Housing	●	○	○	○	○	○	○	○																	Rulman Yatağı
Wear Ring	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○									Aşınma Halkası
Shaft Wear Bushing																	○	○	○	○	○		○		Mil Aşınma Burcu
Mech. Seal (*)	EN 12756 / DIN 24250																							Mek. Salmastra (*)	

(*) Options: Different brand and type mechanical seal can be use can according to customer request.

● Standard Manufacturing

○ Optional

(*) Seçenekler: Alıcının isteğine veya çalışma şartlarına bağlı olarak değişik tip ve markalarda mekanik salmastra kullanılabilir.

● Standart İmalat

○ İsteğe Bağlı

DESCRIPTIONS

DIN

EN

SAE/ASTM

TANIM



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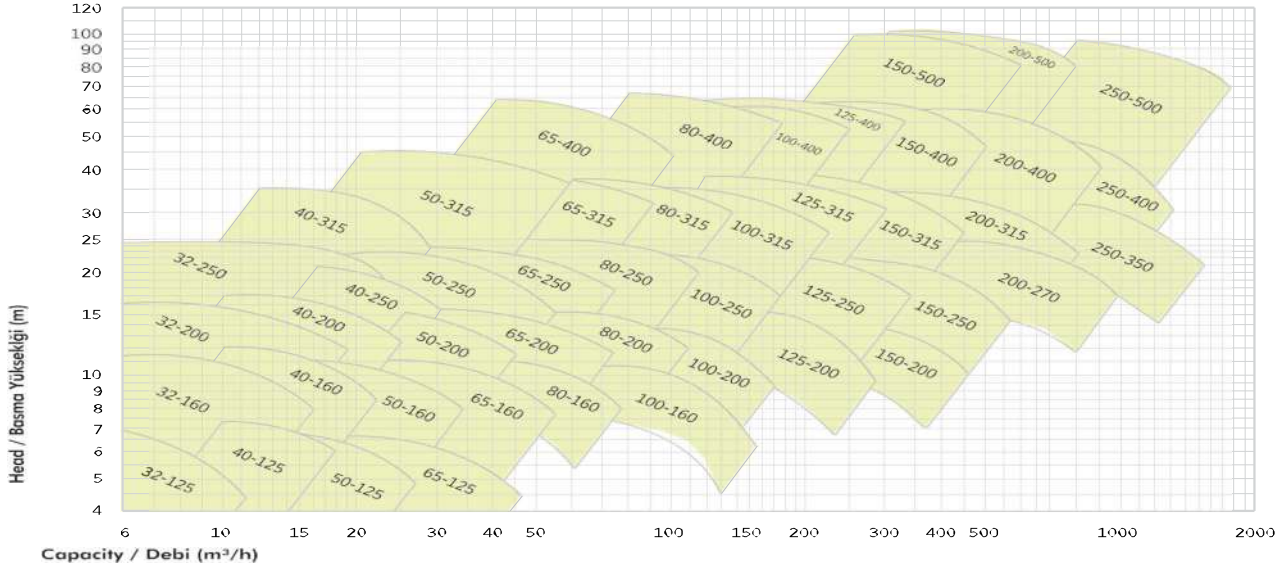
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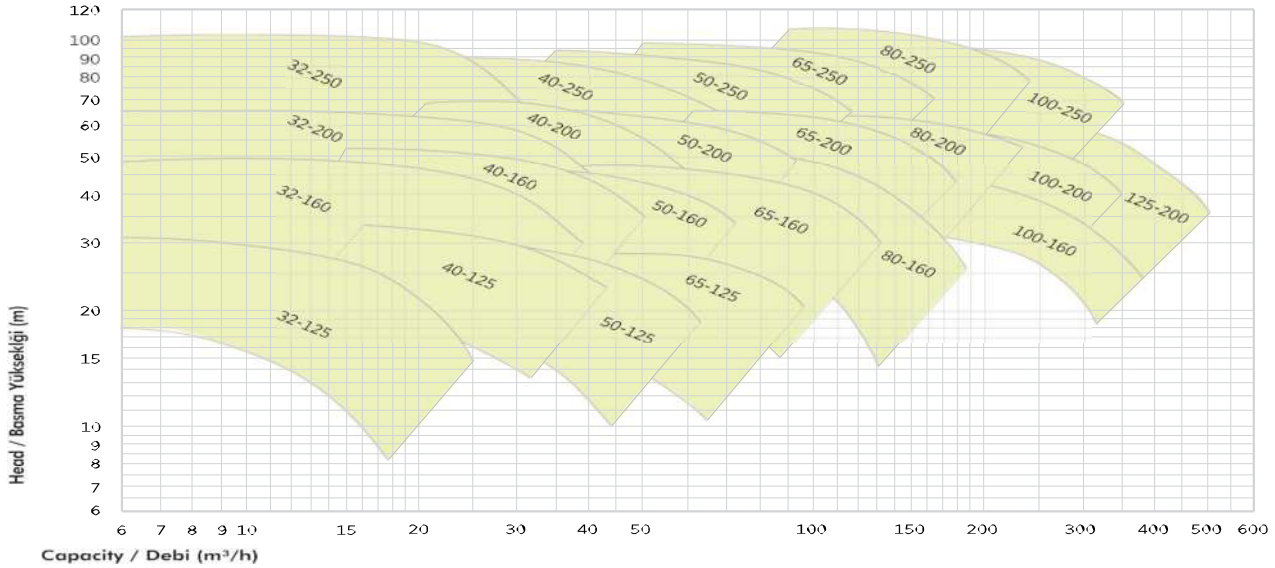
SELECTION CHARTS

SEÇİM EĞRİLERİ

1450 rpm / (d/d) (50 Hz)



2900 rpm / (d/d) (50 Hz)



For detailed curves, use our selection program.

Detay eğriler için seçim programımızı kullanınız.



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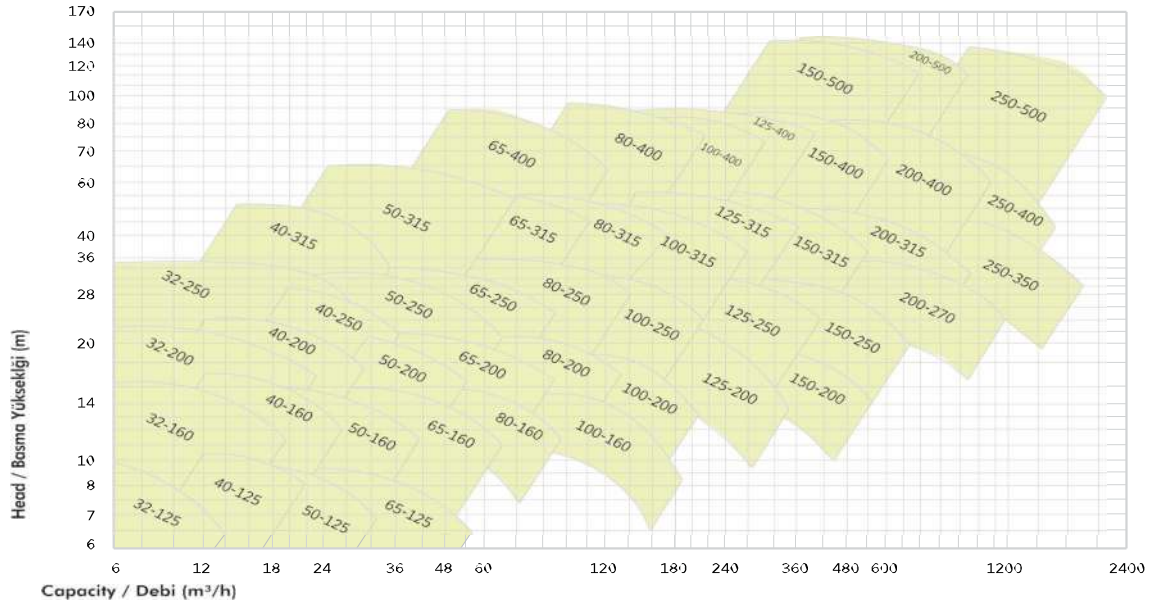
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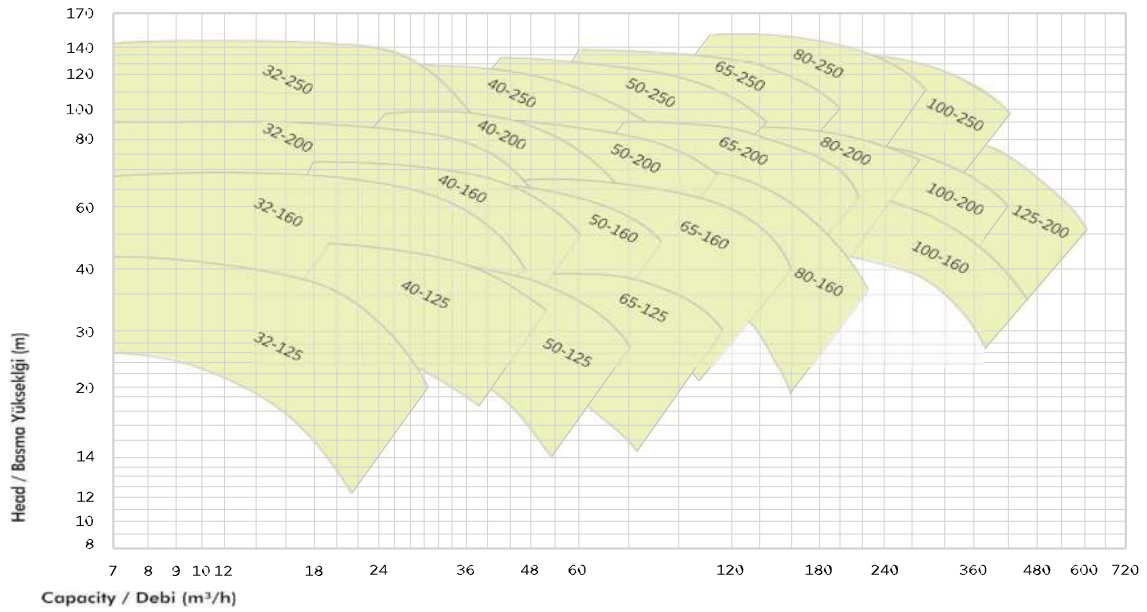
SELECTION CHARTS

SEÇİM EĞRİLERİ

1750 rpm / (d/d) (60 Hz)



3500 rpm / (d/d) (60 Hz)



For detailed curves, use our selection program.

Detay eğrileri için seçim programımızı kullanınız.



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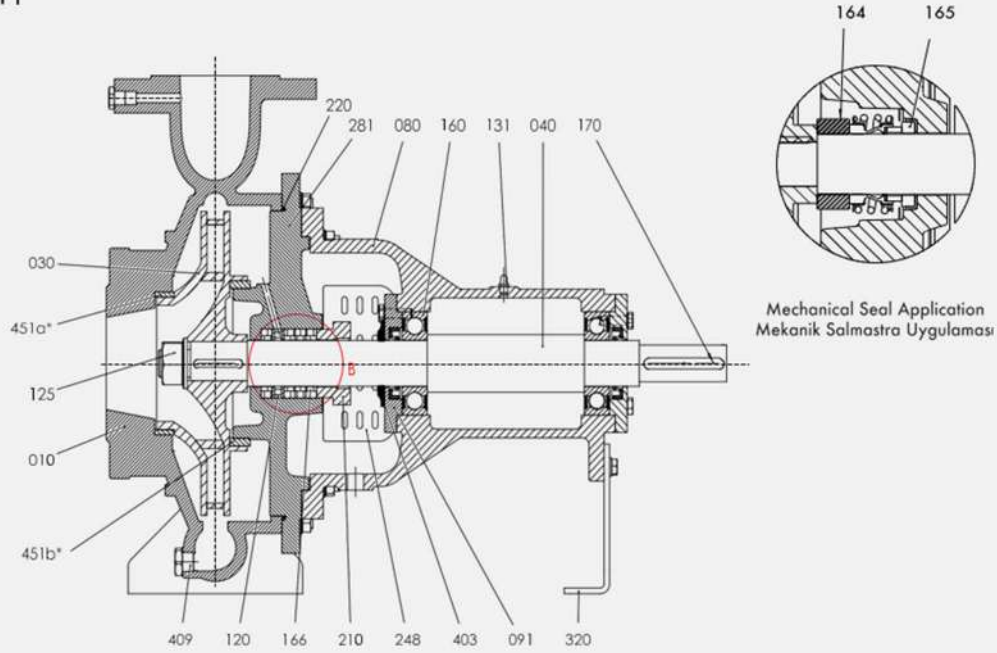
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SECTIONAL VIEW

KESİT RESİM

Form 1



Part List

Parça Listesi

Valute Casing	010	Salyangoz Gövde
Impeller	030	Çark
Shaft	040	Mil
Bearing Housing	080	Rulman Yatağı
Bearing Cover	091	Rulman Kapağı
Flushing Ring	120	Sulama Halkası
Nut	125	Somun
Grease Nipple	131	Gresörlük
Bearing	160	Rulman
Mechanical Seal Setting Sleeve	164	Mekanik Salmastra Mesafe Burcu
Mechanical Seal	165	Mekanik Salmastra
Soft Packing	166	Yumuşak Salmastra
Key	170	Kama
Connection Support	210	Salmastra Baskısı
O-Ring	220	O-Ring
Protection Sheet	248	Koruma Sacı
Seal Box	281	Salmastra Kutusu
Supporting Feet	320	Destek Ayağı
Throw Protection	403	Su Sıratma Diski
Drain Plug	409	Bağaltma Tapası
Wear Ring	451a*	Aşınma Halkası (Gövde)
	451b*	Aşınma Halkası (Salmastra Kutusu)



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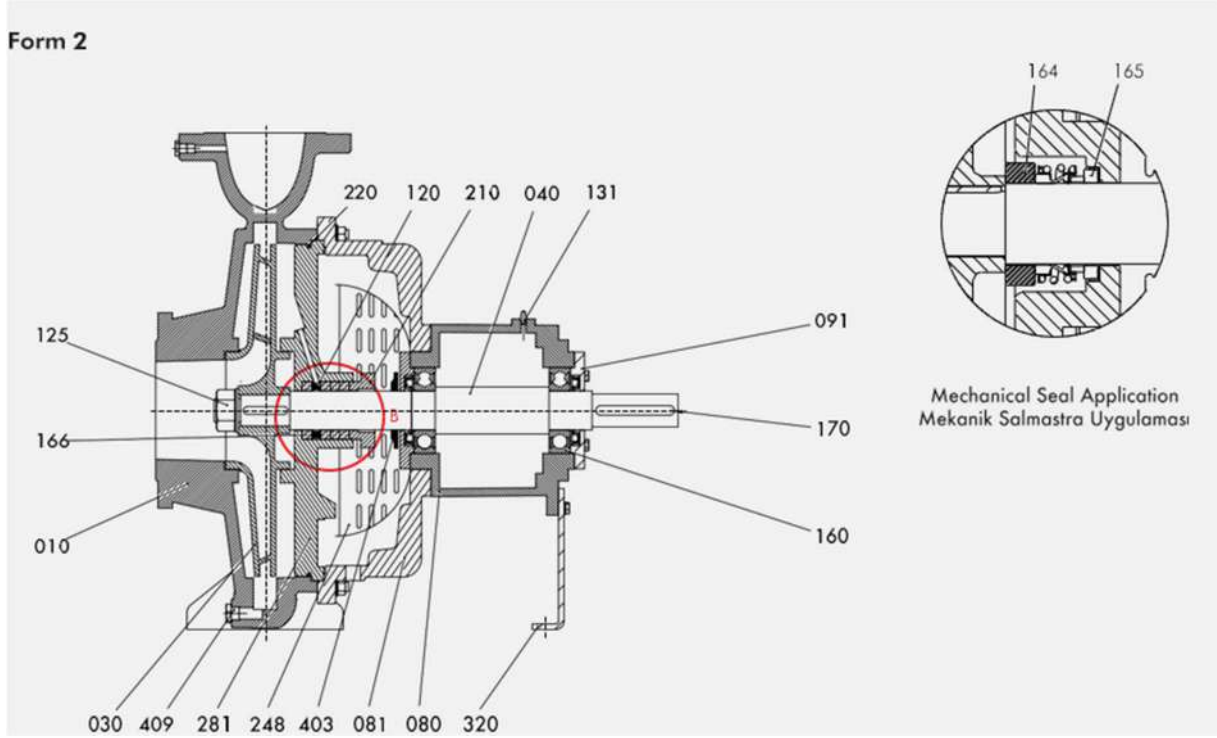
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SECTIONAL VIEW

KESİT RESİM

Form 2



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Part List

Parça Listesi

Volute Casing	010	Salyangoz Gövde
Impeller	030	Çark
Shaft	040	Mil
Bearing Housing	080	Rulman Yatağı
Interconnection Cage	081	Ara Bağlantı Kafesi
Bearing Cover	091	Rulman Kapağı
Flushing Ring	120	Sulama Halkası
Nut	125	Somun
Grease Nipple	131	Gresörlük
Bearing	160	Rulman
Mechanical Seal Setting Sleeve	164	Mekanik Salmastra Mesafe Burcu
Mechanical Seal	165	Mekanik Salmastra
Soft Packing	166	Yumuşak Salmastra
Key	170	Kama
Connection Support	210	Salmastra Baskısı
O-Ring	220	O-Ring
Protection Sheet	248	Koruma Sacı
Seal Box	281	Salmastra Kutusu
Supporting Feet	320	Destek Ayağı
Throw Protection	403	Su Sıçratma Diski
Drain Plug	409	Bağaltma Tapası

SECTIONAL VIEW

KESİT RESİM



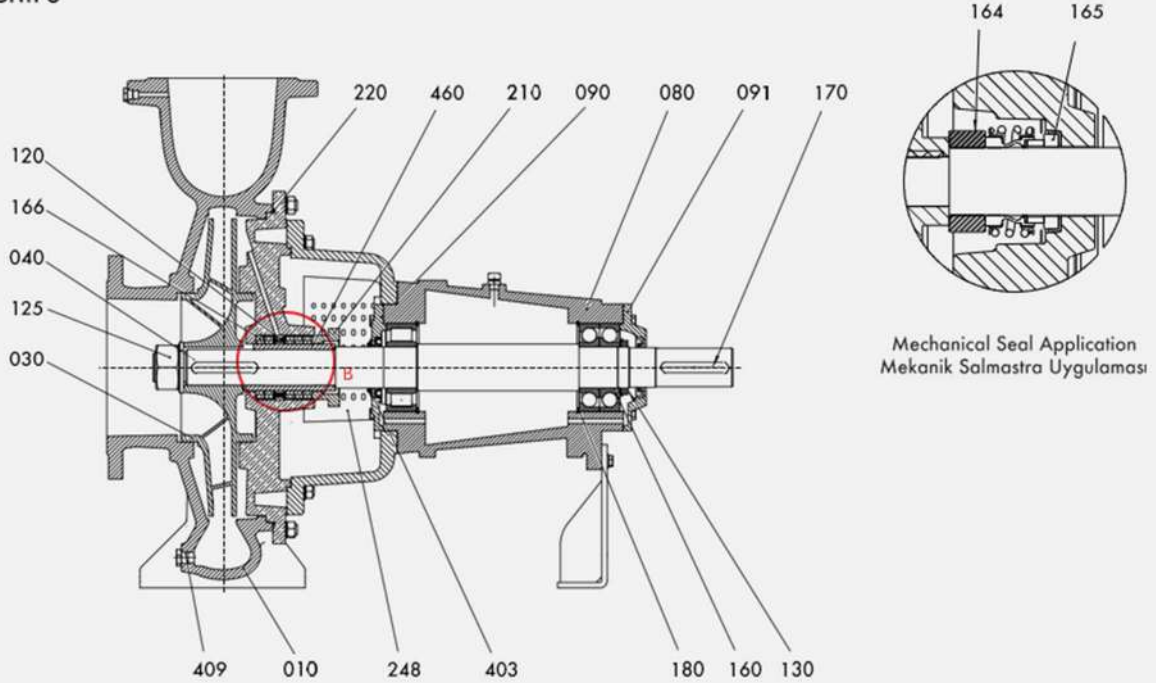
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Form 3



Part List

Parça Listesi

Volute Casing	010	Salyangoz Gövde
Impeller	030	Çark
Shaft	040	Mil
Bearing Housing	080	Rulman Yatağı
Bearing Cover (Inside)	090	Rulman Kapağı (iç)
Bearing Cover (Coupling)	091	Rulman Kapağı (Kaplın)
Flushing Ring	120	Sulama Halkası
Nut	125	Somun
Bearing Setting Sleeve	130	Çektirme Somun
Bearing	160	Rulman
Mechanical Seal Setting Sleeve	164	Mekanik Salmastra Mesafe Burcu
Mechanical Seal	165	Mekanik Salmastra
Soft Packing	166	Yumuşak Salmastra
Key	170	Kama
Ring	180	Segman
Connection Support	210	Salmastra Başkısı
O-Ring	220	O-Ring
Protection Sheet	248	Koruma Sacı
Throw Protection	403	Su Sıçratma Diski
Drain Plug	409	Bosaltma Tapası
Shaft Sleeve	460	Salmastra Burcu



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PUMP DIMENSIONS

POMPA ÖLÇÜLERİ

Pump Size		Form	DIMENSIONS (mm)																				Weight (kg)	Space x**	
EN 733	Additional		Overall Dimensions								Support & Feet Dimensions								Shaft End						
			ABe	ABb	A	f	L	h1	h2	m1	m2	n1	n2	n3	s1	p	s2	w	d	l1	t	u			
32-125		F1						112	140			190	140	90										32	
32-160								132	160															39	
32-200								160	180															41	
	32-250	F2	50	32	80	360	440	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8		53	100
40-125								112	140			210	160	110										53	
40-160		F1			80	440		132	160	100	70	240	190	140										40	
40-200								160	180			265	212	165	14	110	14	260	24	50	27	8		45	100
40-250		F2	65	40	360	460	180	225	250	125	95	320	250	190										57	
	40-315				100			200	250			345	280											67	
50-125								132	160			240	190	140										34	
50-160		F1						180	200	100	70	265	212	165	14	110	14	260	24	50	27	8		42	
50-200				50	100	360	460	160	200															48	100
50-250		F2						180	225	125	95	320	250											57	
	50-315		80		125	470	595	225	280	125	95	345	280	190	19			340	32	80	35	10		90	
65-125								180				280	212	150	14									40	
65-160		F1						200		125	95	360	280	200				260	24	50	27	8		46	100
65-200					100	360	460	180	225			320	250	190										51	
65-250								200	250			360	280	200										90	
65-315		F2			125	470	595	225	280	160	120	400	315	240	19			340	32	80	35	10		105	140
	65-400		100					260	355			435	355	275										130	
80-160								180	225	125	95	320	250	190	14			260	24	50	27	8		49	
80-200		F1						250				345	280	215										63	
80-250								200	280			400	315	240										95	140
80-315		F2	100	80	125	470	595	250	315	160	120	400	315	240	19	110	14	340	32	80	35	10		125	
	80-400							280				435	355	275	19			360	42	110	45	12		175	
	100-160	F3				530	655	280	355															80	
																								87	
100-200		F1						595	200			360	280	200	19			340	32	80	35	10		100	140
100-250								225				400	315	240										130	
100-315		F2	125	100	140	470	610	250	315	160	120	400	315	240	19	110	14	340	32	80	35	10		180	
100-400		F3				530	670	280	355	200	150	500	400	300	23			360	42	110	45	12		180	
	125-200	F1						315																97	
125-250								250				400	315	240	19			340	32	80	35	10		110	140
125-315		F2	150	125	140	470	610	280	355	160	120	400	315	240	19	110	14	340	32	80	35	10		180	
125-400		F3				530	670	315	400	200	150	500	400	300	23			360	42	110	45	12		200	
	150-200	F1						355				500	400	300	23	110	14	340	32	80	35	10		150	
	150-250	F2				470	610	280	375	200	150													160	
150-315								400				550	450	350										190	140
150-400		F3	200	150	160	530	670	315	450									360	42	110	45	12		230	
	150-500																								
	200-260	F2				200	730	930	400	250	200	720	600	435	27	140	20	495	55		59	16		480	
	200-315	F3				200	610	810	355	450								410	42	110	45	12		280	200
	200-400	F1	250	200		180	725	905	400	250	200	600	500	360	23	140	20							300	
	200-500																								
	250-315	F3				210	925	1135	525	300	240	720	600	435	27			640	70	140	74.5	20		640	
	250-400	F1				230	730	960	400	250														390	
	250-500		300	250		230	750	980		300	240	720	600	435	27	140	20	515	55	110	59	16		460	200
	250-500	F3				225	940	1165	450	630														660	

(**) Gap necessary for the withdrawal of the pump rotor from the driven end without the need for disconnecting the motor and pipework (spacer coupling application).



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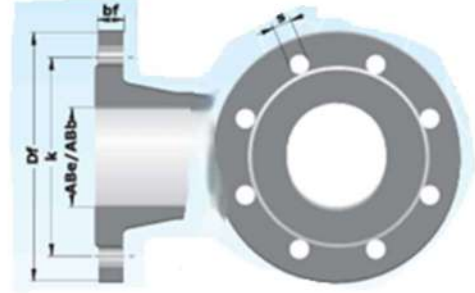
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Flange Dimensions

Pump Type	Suction (PN 16)						Discharge (PN 16)					
	ABe	Df	k	s	n	bf	ABb	Df	k	s	n	bf
32	50	165	125	19	4	20	32	140	100	19	4	18
40	65	185	145	19	4	20	40	150	110	19	4	18
50	65	185	145	19	4	20	50	165	125	19	4	20
65	80	200	160	19	8	22	65	185	145	19	4	20
80	100	220	180	19	8	24	80	200	160	19	8	22
100	125	250	210	19	8	26	100	220	180	19	8	24
125	150	285	240	19	8	26	125	250	210	19	8	26
150	200	340	295	23	12	30	150	285	240	23	8	26
200	250	405	355	23	12	32	200	340	295	23	12	30
250	300	460	410	28	12	32	250	405	355	28	12	32

n number of holes



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