

Micra®

Pompa · Yangın Söndürme Sistemleri · Hidrofor

MİCRA POMPA VE MAKİNA İMALAT LTD. ŞTİ.



SGT-HT SERIES HOT OIL PUMPS



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

+ 90 312 250 99 99

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www.micrapompa.com

GENERAL INFORMATION

Discharge Flange	DN 65 – DN 150
Capacity	up to 500 m³/h
Head	up to 100 m
Working Temperature	up to 350 °C*
Casing 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.

Transferable Liquids

- Heat transfer oil or low viscosity industrial oil without aggressive solid particles.

Shaft Sealing

- Single type mechanical seals resistant to high temperature are used.

Design Features

- Horizontal, radially split volute casing type, single stage, end suction, air cooled centrifugal pumps with closed impeller.
- Suction and discharge flanges conform to EN 1092-2 / PN 16. For stainless steel casing, flanges are according EN 1092-1 / PN 16.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.



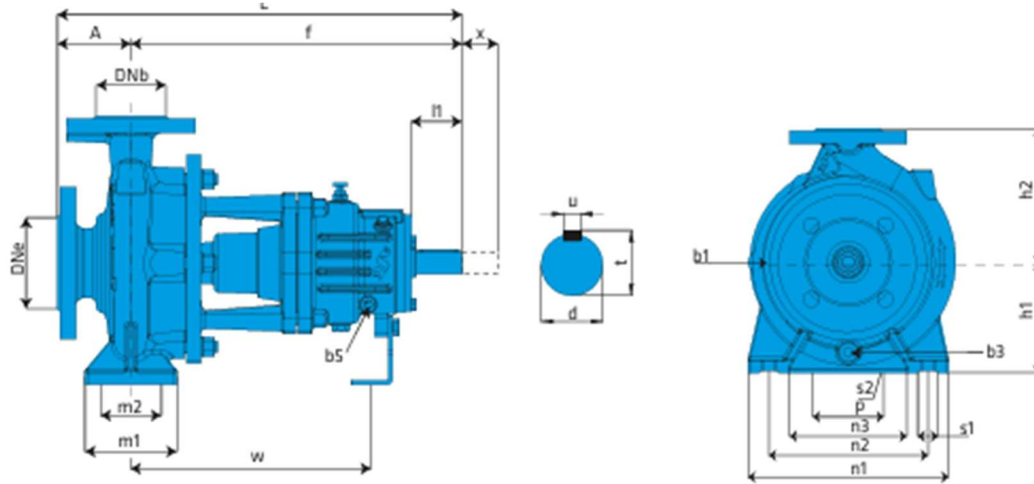
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Dimensions



		DIMENSIONS (mm)																				Weight (kg)	Spacer x**		
Pump Type		Overall Dimensions							Support & Foot Dimensions							Shaft End				Auxiliary Connections					
EN 733	Other	DNc	DNb	A	f	L	h1	h2	m1	m2	n1	n2	n3	s1	p	s2	w	d	fl	t	u	b3	b5		
32-125		50	32	80	360	440	112	140	100	70	190	140	90	14	110	14	260	24	50	27	8	1/4"	3/4"	32	100
32-160		50	32	80	360	440	132	160	100	70	240	190	140	14	110	14	260	24	50	27	8	1/4"	3/4"	39	100
32-200		50	32	80	360	440	160	180	100	70	240	190	140	14	110	14	260	24	50	27	8	1/4"	3/4"	41	100
	32-250	50	32	100	360	460	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8	1/4"	3/4"	53	100
40-125		65	40	80	360	440	112	140	100	70	210	160	110	14	110	14	260	24	50	27	8	1/4"	3/4"	33	100
40-160		65	40	80	360	440	132	160	100	70	240	190	140	14	110	14	260	24	50	27	8	1/4"	3/4"	40	100
40-200		65	40	100	360	460	160	180	100	70	265	212	165	14	110	14	260	24	50	27	8	1/4"	3/4"	45	100
40-250		65	40	100	360	460	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8	1/4"	3/4"	57	100
50-125		65	50	100	360	460	132	160	100	70	240	190	140	14	110	14	260	24	50	27	8	1/4"	3/4"	34	100
50-160		65	50	100	360	460	160	180	100	70	265	212	165	14	110	14	260	24	50	27	8	1/4"	3/4"	42	100
50-200		65	50	100	360	460	160	200	100	70	265	212	165	14	110	14	260	24	50	27	8	1/4"	3/4"	48	100
50-250		65	50	100	360	460	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8	1/4"	3/4"	57	100
	50-315	65	50	125	470	595	225	280	125	95	345	280	190	19	110	14	340	32	80	35	10	1/4"	3/4"	90	100
65-125		80	65	100	360	460	160	180	125	95	280	212	150	14	110	14	260	24	50	27	8	3/8"	3/4"	40	100
65-160		80	65	100	360	460	160	200	125	95	280	212	150	14	110	14	260	24	50	27	8	3/8"	3/4"	46	100
65-200		80	65	100	360	460	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8	3/8"	3/4"	51	140
65-250		80	65	100	470	570	200	250	160	120	360	280	200	19	110	14	340	32	80	35	10	3/8"	3/4"	90	140
65-315		80	65	125	470	595	225	280	160	120	400	315	240	19	110	14	340	32	80	35	10	3/8"	3/4"	105	140
80-160		100	80	125	360	485	180	225	125	95	320	250	190	14	110	14	260	24	50	27	8	3/8"	3/4"	49	140
80-200		100	80	125	470	595	180	250	125	95	345	280	215	14	110	14	340	32	80	35	10	3/8"	3/4"	63	140
80-250		100	80	125	470	595	200	280	160	120	400	315	240	19	110	14	340	32	80	35	10	3/8"	3/4"	95	140
80-315		100	80	125	470	595	250	315	160	120	400	315	240	19	110	14	340	32	80	35	10	3/8"	3/4"	125	140
	100-160	125	100	125	470	595	200	280	160	120	360	280	200	19	110	14	340	32	80	35	10	3/8"	3/4"	80	140
		125	100	125	470	595	200	280	160	120	360	280	200	19	110	14	340	32	80	35	10	3/8"	3/4"	87	140
		125	100	140	470	610	225	280	160	120	400	315	240	19	110	14	340	32	80	35	10	3/8"	3/4"	100	140
		125	100	140	470	610	250	315	160	120	400	315	240	19	110	14	340	32	80	35	10	3/8"	3/4"	130	140
	125-200	150	125	140	470	610	250	315	160	120	400	315	240	19	110	14	340	32	80	35	10	1/2"	3/4"	97	140
		150	125	140	470	610	250	355	160	120	400	315	240	19	110	14	340	32	80	35	10	1/2"	3/4"	110	140
	150-200	200	150	160	470	630	280	355	200	150	500	400	300	23	110	14	340	32	80	35	10	1/2"	3/4"	116	140
		200	150	160	470	630	280	375	200	150	500	400	300	23	110	14	340	32	80	35	10	1/2"	3/4"	132	140



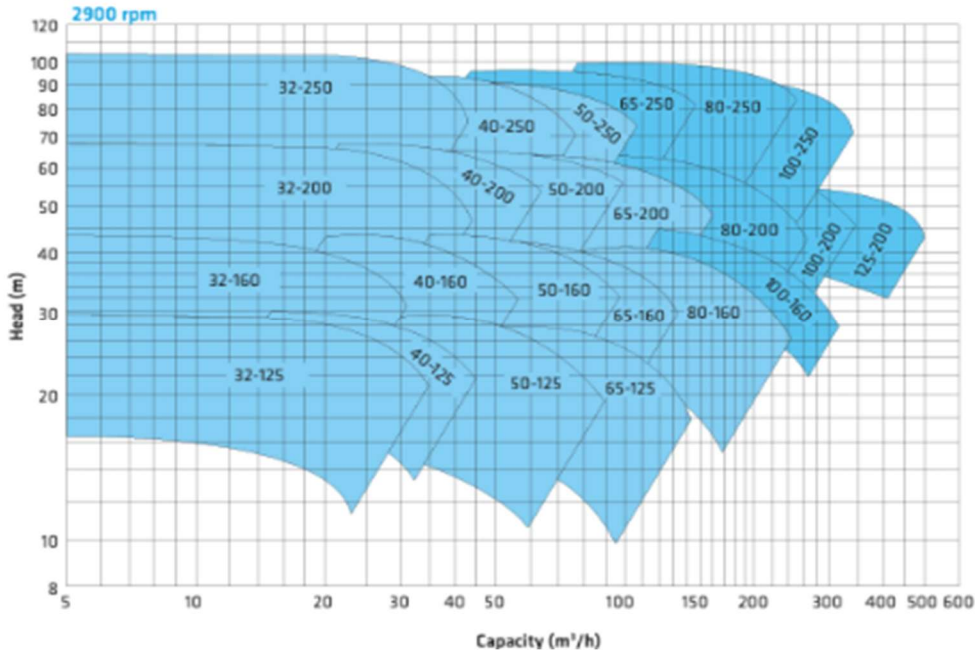
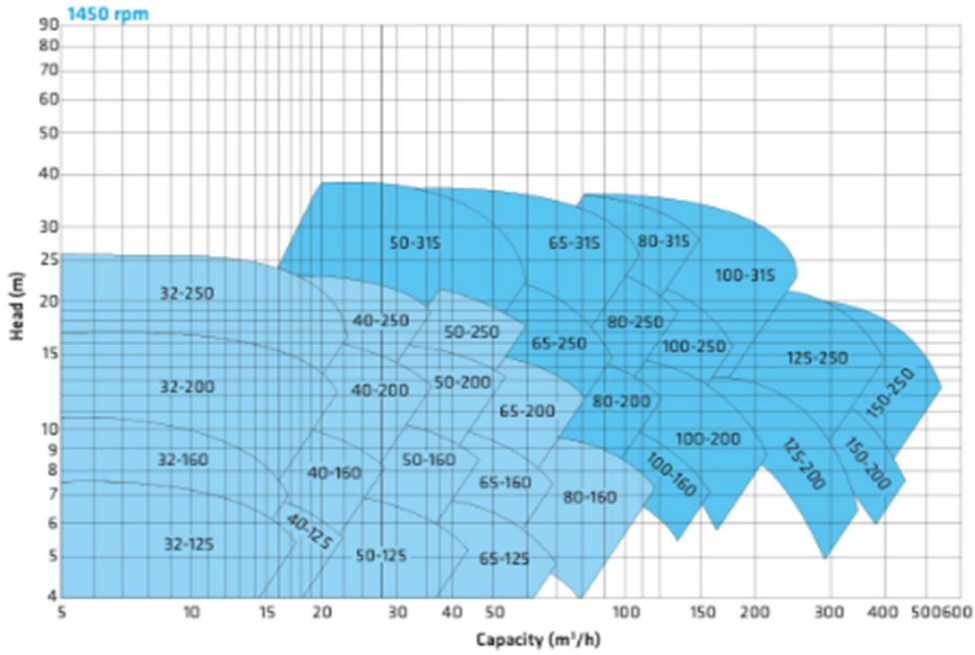
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SELECTION CHARTS



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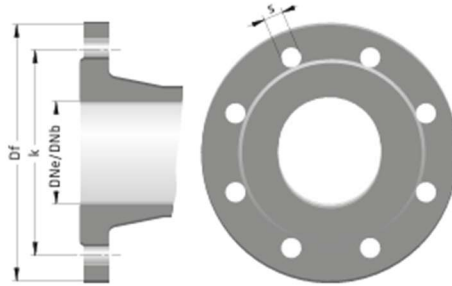
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FLANGE DIMENSIONS

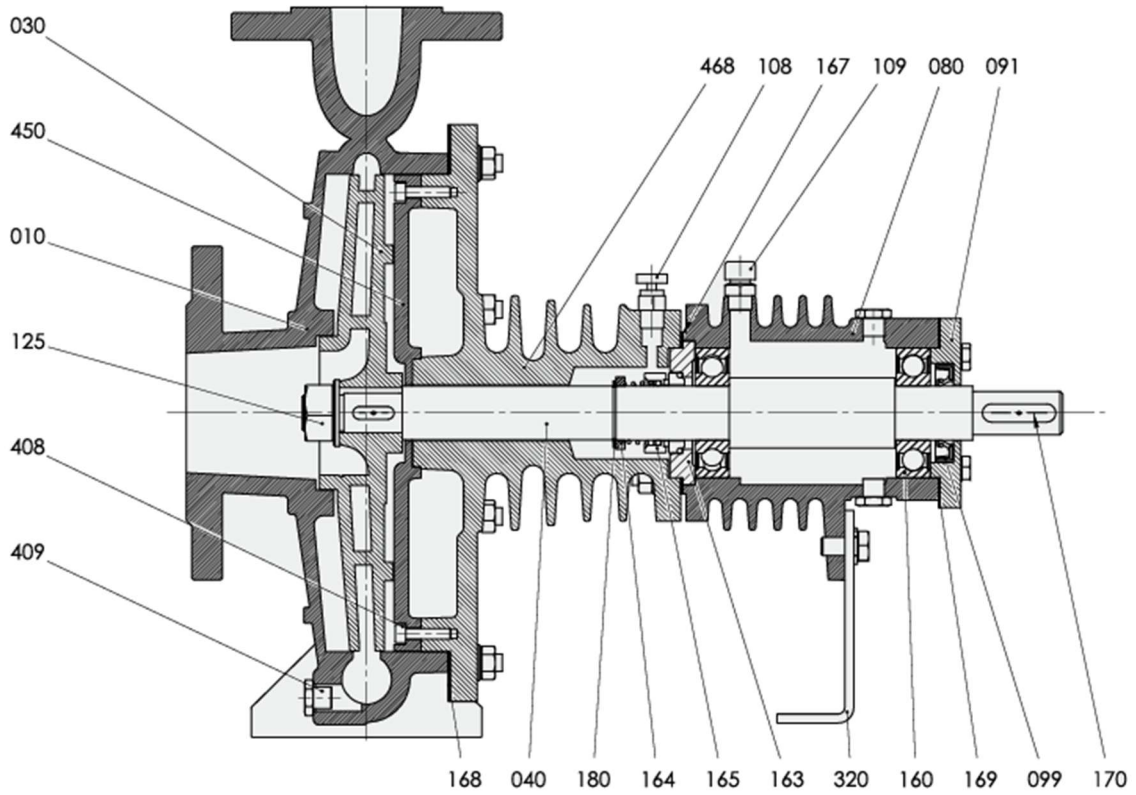
EN 1092-2

DNe/DNb	Suction & Discharge (PN 16)			
	Df	k	s	n
32	140	100	19	4
40	150	110	19	4
50	165	125	19	4
65	185	145	19	4
80	200	160	19	8
100	220	180	19	8
125	250	210	19	8
150	285	240	23	8
200	340	295	23	12

"n" number of holes



SECTIONAL VIEW



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PART LIST

Volute Casing	010
Impeller	030
Shaft	040
Bearing Housing	080
Bearing Cover	091
Oil Seal	099
Air Purge	108
Air Plug	109
Nut	125
Bearing	160
Mechanical Seal Cover	163
Mechanical Seal Setting Sleeve	164
Mechanical Seal	165
Mechanical Seal Gasket	167
Body Seal	168
Bearing Cover Gasket	169
Key	170
Shaft Ring	180
Supporting Feet	320
Bolt	408
Drain Plug	409
Wear Plate	450
Casing Cover	468

SEAL SOLUTIONS

Packing Type / Salmastra Tipi	Packing Specifications / Salmastra Özellikleri	
	Temperature / Sıcaklık	Pressure / Basınç
M37GN4	t = -20 °C ... +200 °C	p1 = 16 bar (230 PSI)

□ (*) Optional

*Note: Above datas mentioned according to BURGMANN Brand.
Packing can be changed according to customer request.

*Different seal application can be used according to liquid specification.



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