

Micra[®]

Pompa · Yangın Söndürme Sistemleri · Hidrofor

MİCRA POMPA VE MAKİNA İMALAT LTD. ŞTİ.



SGC-H SERIES HORIZONTAL DOUBLE SUCTION SPLITCASE PUMPS



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

+ 90 312 250 99 99

info@micrapompa.com

www.micrapompa.com

GENERAL INFORMATION

Discharge Flange	DN 65 – DN 600
Capacity	up to 6000 m ³ /h
Head	up to 180 m
Working Temperature	From -20 °C to + 110 °C*
Casign Pressure (Pmax)	16 bar - 25 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

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

Design Features

· Suction and discharge flanges are on the same axis line. The double-suction design reduces axial forces by directing flow into both sides of the impeller. The double-volute design, available on most models, reduces the radial load and minimizes noise and vibration.

Suction and discharge flanges are PN 16 according to EN 1092-2 (DIN2501).

Seal box is cooled with water. Seals are easily dismountable, which makes replacing and fitting up additional seals easy.

Replaceable case wear rings protect the pump casing and reducing maintenance costs.

Bronze shaft sleeves protect the shaft and help with fixation of the impeller.

In horizontal installation, ball bearing with grease lubrication is used as standard. In the case of vertical installation, the bearing with fluid lubrication is used on the lower side and the ball bearing with grease lubrication is used on the upper side.

Split-case pumps could manufacturing horizontal

The impellers are dynamically balanced according to ISO 1940 class 6.3.

· Direction of rotation is clockwise when viewed from the motor in standard manufacture. In this case, the suction flange is on the right side. If required, the direction of rotation can be adjusted counter-clockwise. In this case, the suction flange is on the left side.

Shaft Sealing

Single, double, cortex type mechanical seal or soft packing is used depending on the type of fluid and operating conditions.



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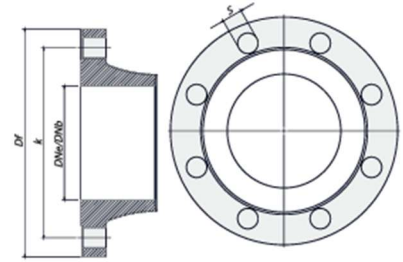
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Applications

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

FLANGE DIMENSIONS

Pump Type Pompa Tipi	Suction & Discharge / Emme & Basma(PN 16)				Suction & Discharge / Emme & Basma(PN 25)			
	Df	k	s	n	Df	k	s	n
65	185	145	19	4	185	145	19	8
80	200	160	19	8	200	160	19	8
100	220	180	19	8	235	190	23	8
125	250	210	19	8	270	220	28	8
150	285	240	24	8	300	250	28	8
200	340	295	24	12	360	310	28	12
250	405	355	28	12	425	370	31	12
300	460	410	28	12	485	430	31	16
350	520	470	28	16	555	490	34	16



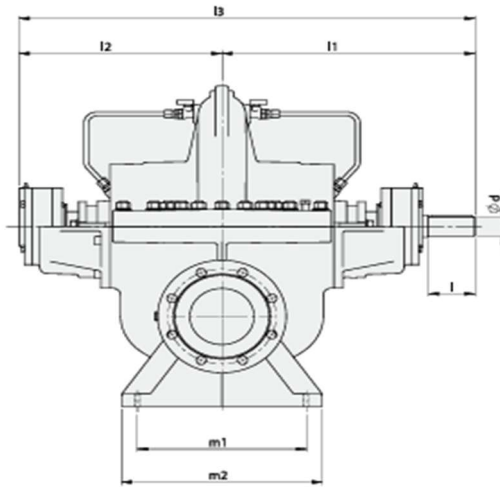
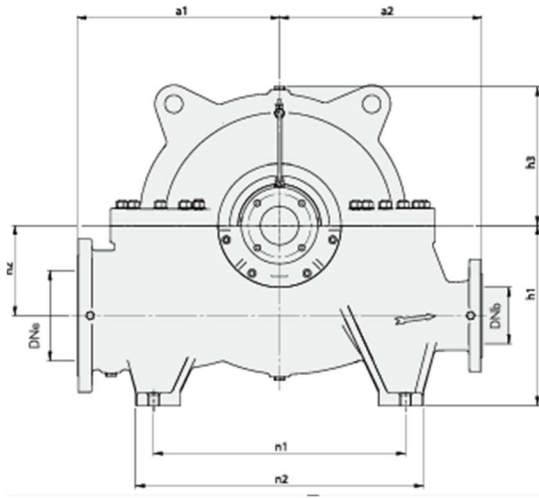
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Dimensions



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Pump Type Pompa Tipi	Dimensions / Ölçüler (mm)																	Weight Ağırlık (kg)
	DNe	DNc	Outside Dimensions / Dış Ölçüler							Supporting Foot Dimensions / Ayak Bağlantı Ölçüleri					Shaft Dimensions Mı Ölçüleri			
			l1	l2	l3	a1	a2	h1	h2	h3	n1	n2	m1	m2	s	aed	l	
65-250	100	65	390	305	695	320	280	300	140	200	380	460	230	300	20	35	75	157
80-200	125	80	400	310	710	320	280	300	140	200	400	460	230	300	20	35	80	165
80-250	125	80	395	305	700	320	280	300	140	220	405	470	230	300	20	35	75	162
80-315	125	80	395	305	700	360	300	335	140	260	400	490	230	300	20	35	75	200
100-250	150	100	450	350	800	360	310	355	170	225	400	480	285	340	20	42	90	223
100-315	150	100	450	350	800	360	310	355	170	245	400	480	285	340	20	42	90	230
100-400	150	100	450	350	800	420	370	355	170	295	460	560	285	340	20	42	90	303
125-315	200	125	525	405	930	420	370	400	200	295	460	540	340	380	22	55	110	360
125-350	200	125	525	405	930	470	450	400	200	310	540	660	330	380	22	55	110	402
125-450	200	125	585	450	1035	500	450	400	200	350	540	640	320	380	22	55	120	420
125-480	200	125	490	395	885	450	450	400	200	310	560	640	350	390	22	42	90	400
150-315	200	150	525	405	930	470	400	400	200	330	540	640	330	380	22	55	110	400
150-460	200	150	545	425	970	450	450	400	200	300	540	640	330	380	22	55	110	430
150-600	250	150	640	500	1140	550	500	560	300	440	540	640	340	420	22	65	130	780
200-315	250	200	640	500	1140	500	450	500	240	335	540	640	370	420	22	65	130	590
200-400	250	200	645	500	1145	500	450	500	240	360	540	640	360	420	22	65	130	615
200-430	250	200	640	450	1060	500	500	500	240	325	540	650	380	450	24	55	110	630
200-500	250	200	610	500	1140	550	500	560	300	375	620	720	370	420	22	65	130	690
250-350	300	250	645	500	1145	600	500	600	300	390	620	720	360	420	22	65	130	680
250-450	300	250	645	500	1145	600	500	600	300	415	620	720	360	420	22	65	130	780
250-600	300	250	720	540	1260	650	550	600	300	430	620	710	415	485	26	80	170	1200
300-315	350	300	640	500	1140	600	500	630	300	400	620	720	360	420	22	65	130	700
300-400	400	300	665	510	1175	630	560	630	320	385	680	800	440	520	22	60	140	930
300-500	400	300	755	585	1340	700	750	710	350	425	700	800	420	520	26	80	170	1500
300-700	400	300	865	675	1540	750	800	710	350	470	720	880	420	520	26	100	180	1650
350-350	400	350	770	620	1390	700	550	670	350	450	720	800	440	520	26	75	140	1120
350-400	500	350	770	620	1390	800	600	800	380	505	800	960	520	600	26	75	140	1410
350-500	500	350	755	585	1340	800	600	800	400	435	740	900	500	600	26	80	170	1435
350-600	500	350	900	715	1615	700	700	810	470	503	750	900	520	600	28	100	180	1900
350-700	500	350	865	675	1540	850	750	850	450	525	720	880	500	600	26	100	180	2000



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TECHNICAL SPECIFICATIONS

Pump Type / Pompa Tipi	Shaft End Diameter Mil Ucu Çapı	Mechanical Seal Diameter Mekanik Salmastıra Çapı
65-250	35	50
80-200	35	50
80-250	35	50
80-315	35	50
100-250	42	60
100-315	42	60
100-400	42	60
125-480	42	60
125-315	55	70
125-350	55	70
125-450	55	70
150-315	55	70
150-460	55	70
200-430	55	70
150-600	65	80
200-315	65	80
200-400	65	80
200-500	65	80
250-350	65	80
250-450	65	80
300-315	65	80
300-400	60	80
350-350	75	100
350-400	75	100
250-600	80	100
300-500	80	100
350-500	80	100
300-700	100	120
350-600	100	120
350-700	100	120



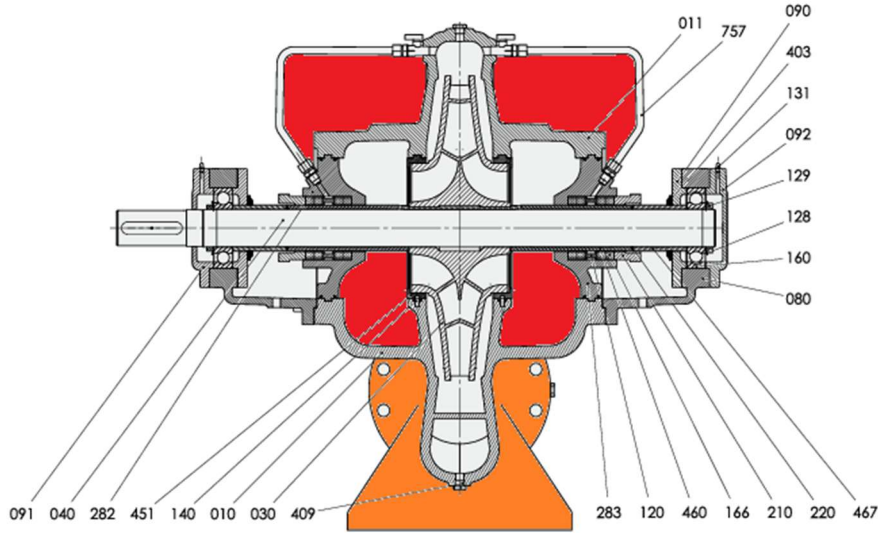
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SECTIONAL VIEW



PART LIST

Volute Casing (Lower)	010
Volute Casing (Up)	011
Impeller	030
Shaft	040
Bearing Housing	080
Bearing Cover (Inside)	090
Bearing Cover (Coupling)	091
Bearing Cover (Outside)	092
Flushing Pipe	120
Protection Sheet	128
Nut	129
Grease Nipple	131
Grooved Pin	140
Bearing	160
Mechanical Seal Setting Sleeve	164
Mechanical Seal	165
Soft Packing	166
Key	170
Connection Support	210
O-Ring	220
Mechanical Seal Box	280
Stuffing Box	282
Stuffing Box	283
Throw Protection	403
Drain Plug	409
Wear Ring	451
Shaft Seal	460
Setting Sleeve	467
Flushing Pipe	757



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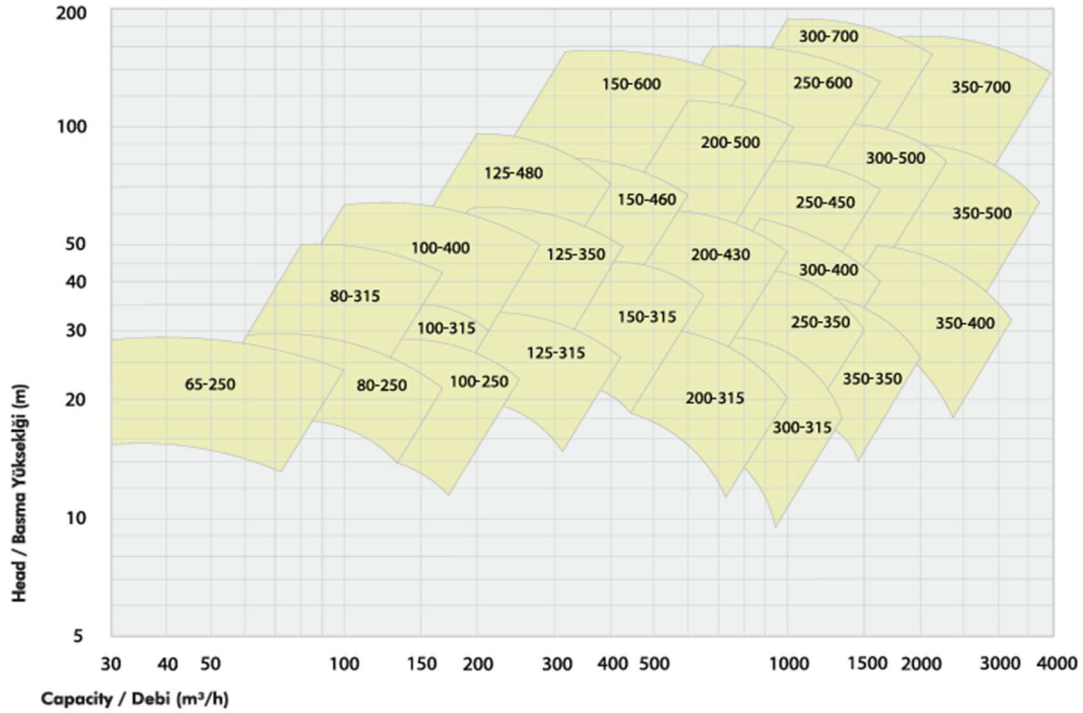
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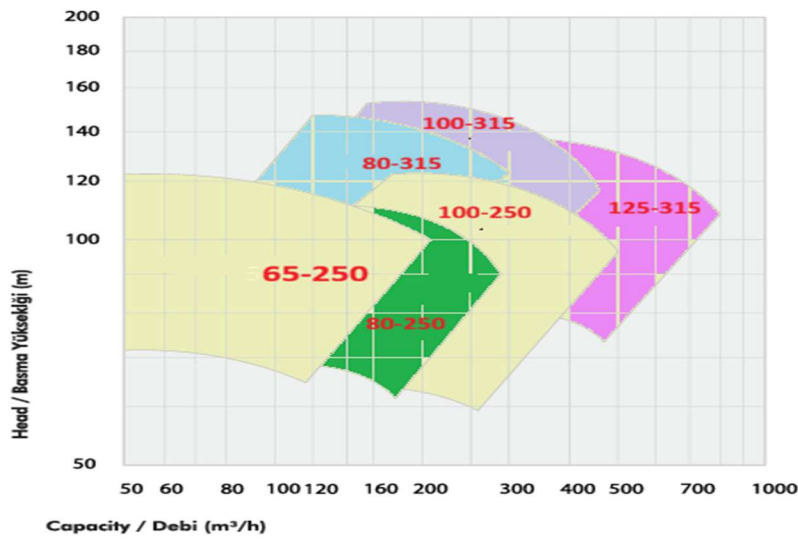
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SELECTION CHARTS

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



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



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SEAL SOLUTIONS

Packing Type / Salmastra Tipi	Packing Specifications / Salmastra Özellikleri	
	Temperature / Sıcaklık	Pressure / Basınç
MG1	t = -20 °C ... +85 °C t = +85 °C ... +100 °C (*)	p1 = 16 bar (230 PSI) p1 = 16 bar (230 PSI) (*)
H12N	t = +100 °C ... +140 °C	p1 = 25 bar (363 PSI)
M7N	t = -20 °C ... +220 °C	p1 = 25 bar (363 PSI)
Soft Packing / Yumuşak Salmastra	t = -20 °C ... +100 °C	p1 = 10 bar (145 PSI)
	t = -20 °C ... +140 °C (*)	p1 = 25 bar (230 PSI) (*)
CARTEX - DN	t = -20 °C ... +220 °C	p1 = 25 bar (363 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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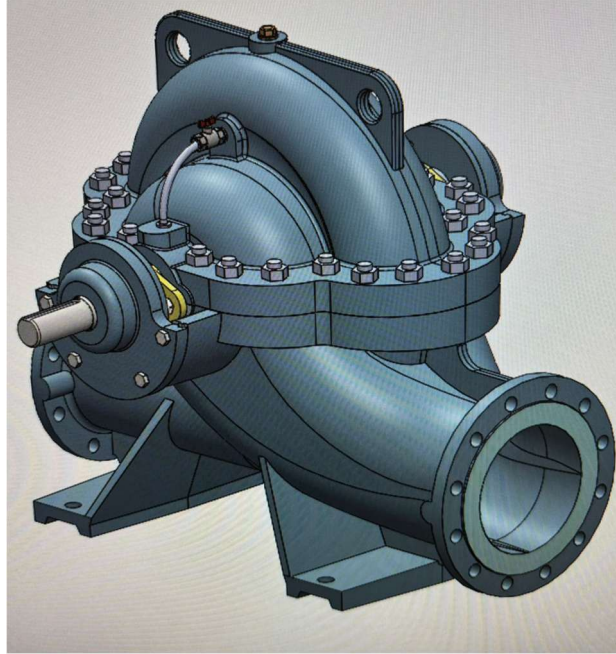
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