i-CP2000 CENTRIFUGAL PUMP

APPLICATIONS

Alfa Laval i-CP2000 pump is an economical centrifuge pump that addresses the sensitive product transfer and chemical resistance requirements in hygienic applications. The pump is available in six sizes, which are Alfa Laval i-CP2010, i-CP2020, i-CP2025, i-CP2035,
i-CP2040, i-CP2050.

STANDARD DESIGN

Alfa Laval i-CP2000 pump consists of a standard engine, shaft, mechanical packing, adapter, rear plate, propeller, pump body and shaft gasket. To allow easy CIP, the pump has been configured with fans with wide radii and easy-to-clean gaskets. The pump engine protection is stainless steel and the body is supported with four adjustable pillars.

SHAFT GASKETS

Alfa Laval i-CP2000 pump is available with single or double mechanical packing. All moving parts in the packing are AISI316L quality stainless steel and sealing is silicone carbide. Fixed gaskets may be carbon or optionally silicone carbide. Packings with cooling water option (flush) have a secondary gasket.

Engine
Pillar flange engine by IEC metric standard, 2 poles = 3000/3600
RPM (50/60 Hz), IP 55 (lubricating plug and discharge available), insulation class F.

Engine KW
50 Hz:1,5-2,2-3-4-5,5-7,5-11-15-18,5-22kW.
60 Hz:1,75 - 2,5 - 3,5 - 4,6 - 6,4 - 8,6 - 12,5 -17 -
21 - 25 kW

Warranty
Alfa Laval i-CP2000 pumps are warranted for 3 years. The warranty covers all corroding parts, provided that original Alfa Laval spare parts are used.

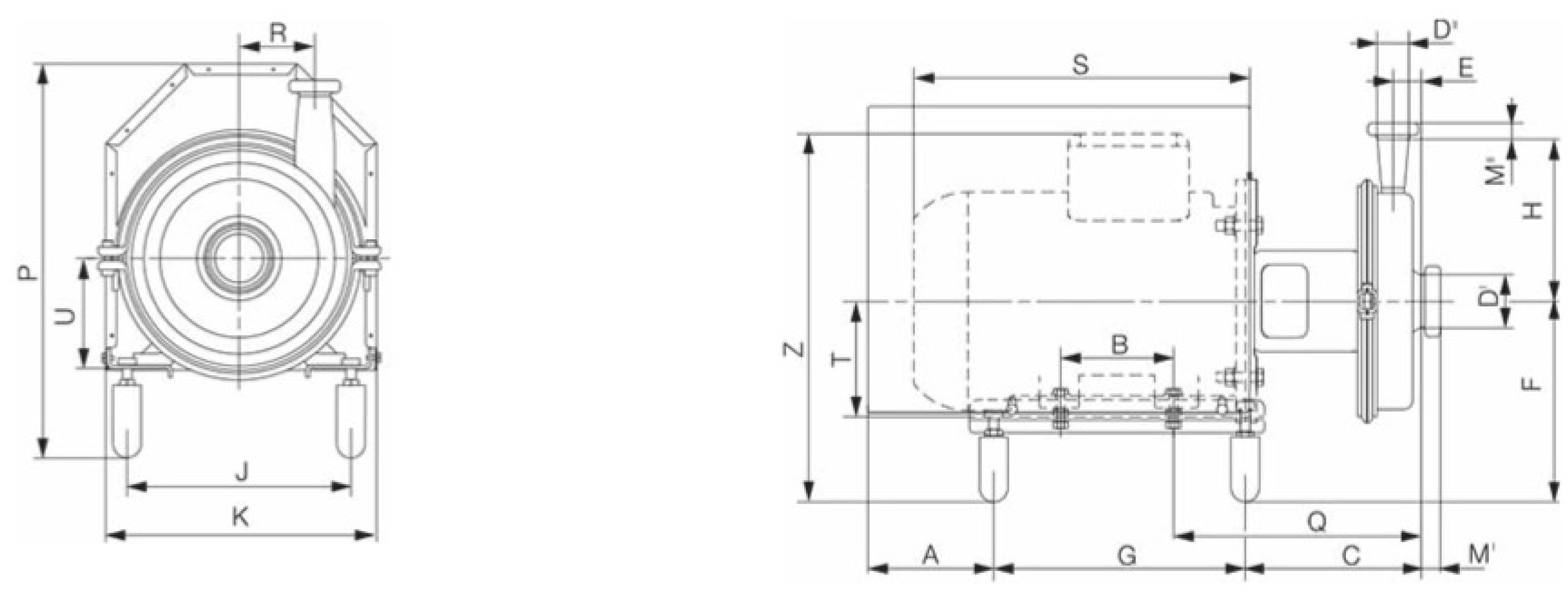
Note:
Alfa Laval i-CP2000 pump EHEDG has been designed and tested according to EHEDG directives.

Materials
Parts that Come into Contact with the Product......... AISI316L
Other Parts AISI304,
Carbon Steel Surface.................................. Semi-lustrous
Gaskets .... EPDM(FDA)

Technical Data
Max. Inlet Pressure .... 500 kPa (5 bar).
Temperature Range .... (-)10°/+140C(EPDM) Cooling water (flush)
Flow rate .... 0,25-0,5l/min.

Note:
Standard pump does not contain cooling water.

Voltage and Frequency
3 ~, 50 Hz, 220-240VΔ/380-420VY ≤4kW
3 ~, 60 Hz, 250-280VΔ/440-480VY ≤4,6 kW
3 ~, 50 Hz, 380-420VΔ/660-690VY ≥5,5 kW
3 ~, 60 Hz, 440-480VΔ≥6,4 kW



Alfa Laval i-CP2010

Ebat	1.5Kw	2.2Kw	3Kw	4Kw
A	85	85	104	92
B	100	125	140	140
C	157	157	160	162
E	23	23	23	23
F min	195	195	271	217
F max	210	210	232	232
G	302	302	290	300
H	142	142	142	142
J	177	177	228	227
K	288	288	323	359
P min	362	362	394	436
P max	377	377	409	451
Q	215	215	235	242
R	87	87	87	87
S	260	285	308	335
T	90	90	100	112
U	93	93	115	115
Z min	340	340	369	397
Z max	355	355	384	412
Ağırlık(kg)	36	39	47	57

Alfa Laval i-CP2025

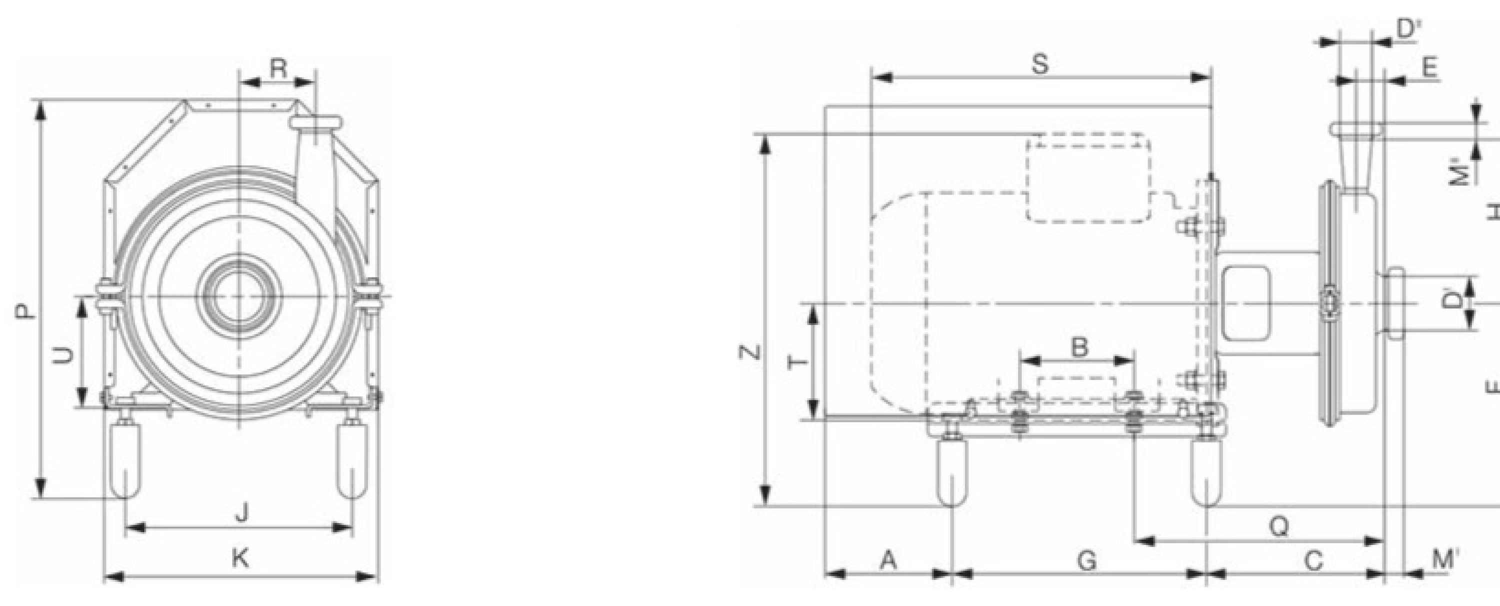
Ebat	5.5/7.5 Kw	11/15kW
A	158	179
B	140	210
C	216	240
E	32	32
F min	237	265
F max	252	280
G	305	419
H	193	193
J	277	327
K	383	485
P min	459	552
P max	474	567
Q	298	345
R	106	106
S	356	530
T	132	160
U	135	163
Z min	430	495
Z max	445	510
Ağırlık(kg)	81	125/134

Alfa Laval i-CP2020

Ebat	1.5kW	2.2kw	3kw	4 kw	5.5/7.5 kw
A	85	85	104	92	158
B	100	125	140	140	140
C	169	169	172	174	210
E	27	27	27	27	27
F min	195	195	217	217	237
F max	210	210	232	232	252
G	302	302	290	300	305
H	180	180	180	180	180
J	177	177	228	227	277
K	288	288	323	359	383
P min	362	362	394	436	459
P max	377	377	409	451	474
Q	227	227	247	254	292
R	88	88	88	88	88
S	260	285	308	335	356
T	90	90	100	112	132
U	93	93	115	115	135
Z min	340	340	369	397	430
Z max	355	355	384	412	445
Ağırlık(kg)	38	41	49	59	77

Alfa Laval i-CP2035

Ebat	4 kw	5.5/7.5 kw	11/15 kw
A	92	158	179
B	140	140	210
C	165	201	225
E	23	23	23
F min	217	237	265
F max	232	252	280
G	300	305	419
H	193	193	193
J	227	277	327
K	359	383	485
P min	436	459	552
P max	451	474	567
Q	245	283	330
R	119	119	119
S	335	356	530
T	112	132	160
U	115	135	163
Z min	397	430	495
Z max	412	445	510
Ağırlık(kg)	63	81	125/134



Alfa Laval i-CP2040

Ebat	7.5Kw	11/15Kw	18.5Kw	22Kw
A	158	179	179	171
B	140	210	254	241
C	211	236	216	166
E	28	28	28	28
F min	237	265	265	297
F max	252	280	280	324
G	305	419	419	515
H	212	212	212	212
J	277	327	327	390
K	383	485	485	520
P min	459	552	552	593
P max	474	567	567	620
Q	293	340	340	353
R	126	126	126	126
S	356	530	530	620
T	132	160	160	180
U	135	163	163	183
Z min	430	495	495	557
Z max	445	510	510	584
Ağırlık(kg))	84	128/137	147	174

Alfa Laval i-CP2050

Ebat	5.5/7.5Kw	11/15Kw	18.5Kw	22Kw
A	158	179	179	171
B	140	210	254	241
C	224	248	229	128
E	35	35	35	35
F min	237	265	265	297
F max	252	280	280	324
G	305	419	419	515
H	205	205	205	205
J	277	327	327	390
K	383	485	485	520
P min	459	552	552	593
P max	474	567	567	620
Q	306	353	353	366
R	118	118	118	118
S	356	530	530	620
T	132	160	160	180
U	135	163	163	183
Z min	430	495	495	557
Z max	445	510	510	584
Ağırlık(kg)	86	130/139	149	174

Flow Chart

Frequency: 50 Hz (synchro): 3000 RPM