



Pump Technologies | Pompa Tehnologije

ESTOCP Series





Pump • Fire Fighting Units • Booster Set

ESTOCP THERMAL OIL PUMPS

Handled Liquids

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

Technical Data

Discharge Flange _____ DN 32.....DN 150 mm

Capacity _____ up to.....500 m³/h

Head _____ up to.....105 m

Speed _____ up 1500 to.....3000 rpm

Operating Temperature _____ up to.....320 °C

Cooling Method _____ With Air

Casing Pressure (Pmax) _____ 10 bar (16 bar)

(Pmax: Suction Pressure + Shut off Head)

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.

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.)

All impellers are balanced dynamically according to ISO 9001-2015

Pump Designation

Pump Type _____

Discharge Nozzle (DN-mm) _____

Nominal Impeller Diameter (mm) _____



• Axial thrust is balanced by impeller back ribs.

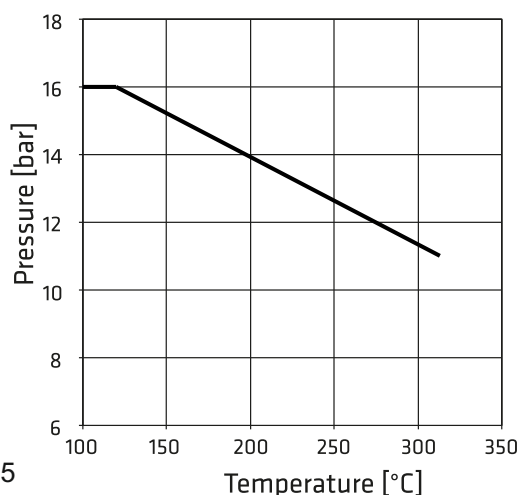
• Direction of rotation is clockwise viewed from drive end.

• Bearings of ESTOCP type pumps are "life time grease lubricated" ball bearings.

Shaft Sealing

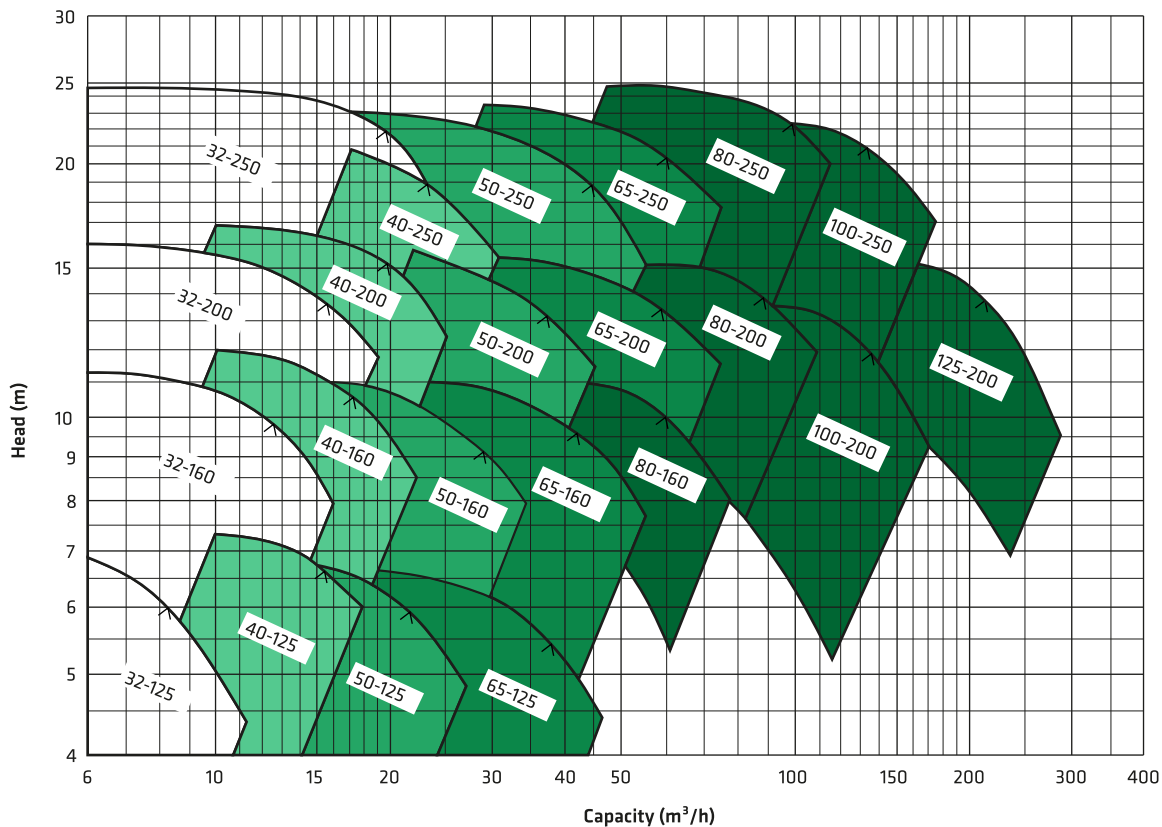
• High temperature resistant mechanical seals are used.

Pressure & Temperature Limits

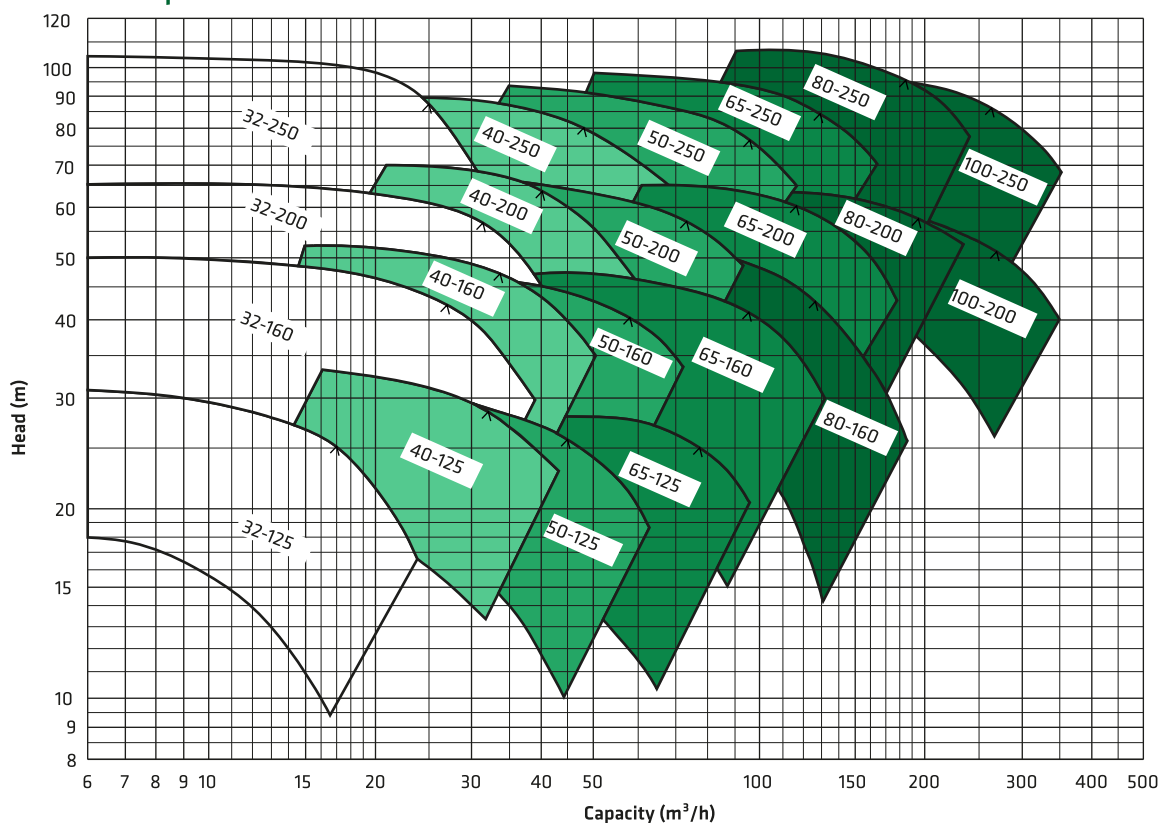


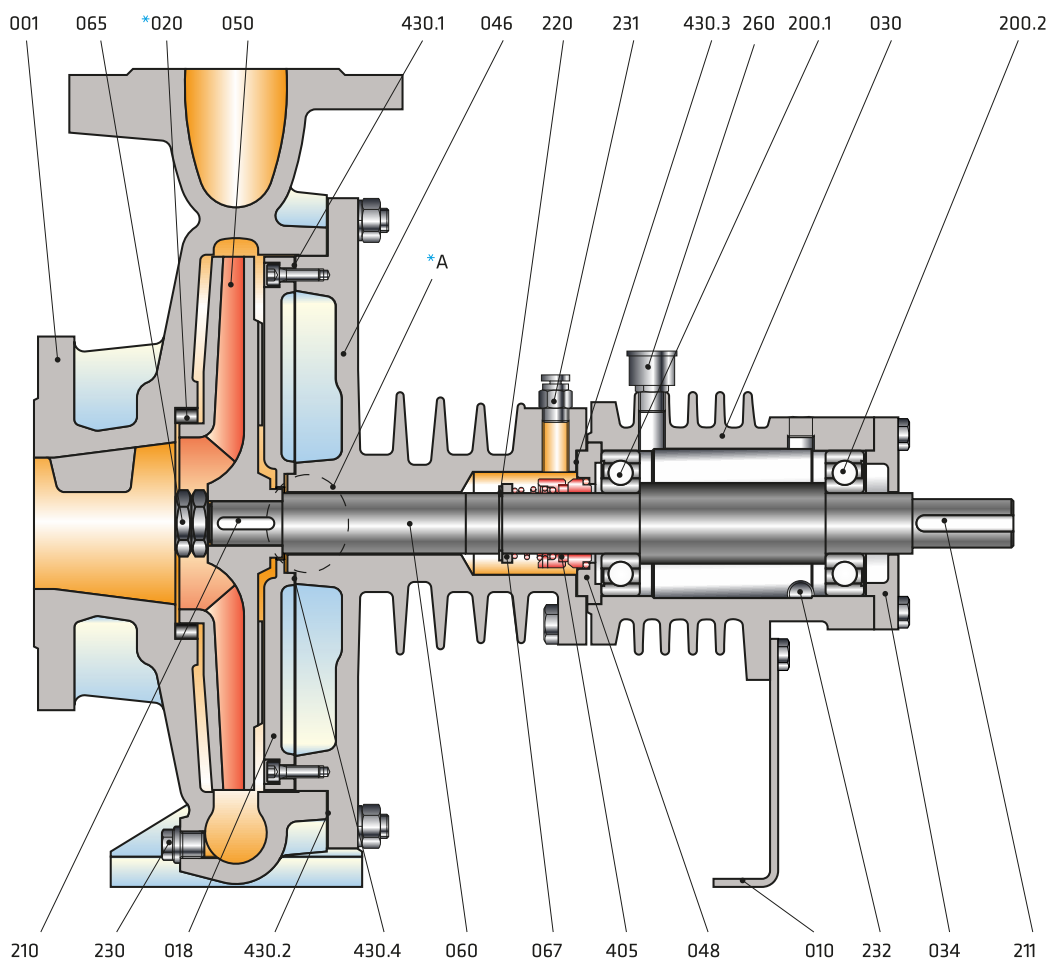
ESTOCP 150 420

1450 rpm



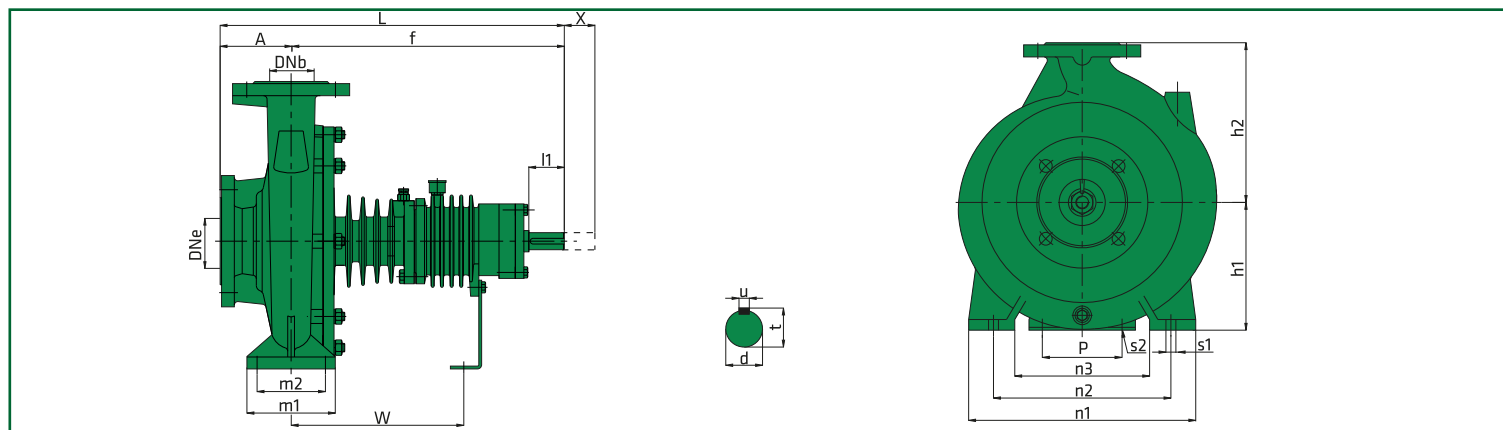
2900 rpm





Part List

001	Volute Casing	210	Impeller Key
010	Support Foot	211	Coupling Key
018	Wear Plate	220	Circlip
020	Wear Ring	230	Draing Plug
030	Bearing Housing	231	Air Venting Plug
034	Bearing Cover	232	Grease Drain Plug
046	Casing Cover	260	Grease Nipple
048	Mechanical Seal Cover	405	Mechanical Seal
050	Impeller	430.1	Gasket (wear plate)
060	Shaft	430.2	Gasket (casing)
065	Impeller Nut	430.3	Gasket (mech. seal cover)
067	Spacer Sleeve (mechanical seal)	430.4	Gasket (wear plate)
200	Ball Bearing		



Pump Type	Overall Dimensions (mm)							Support & Foot Dimensions(mm)									Shaft (mm)				Spacer (mm) x
	DNe	DNb	A	f	L	h1	h2	m1	m2	n1	n2	n3	s1	p	s2	w	d	l1	t	u	
32-125	50	32	80	385	465	112	140	100	70	190	140	90	14	110	14	240	24	50	27	8	100
40-125	65	40	80	385	465	112	140	100	70	210	160	90	14	110	14	240	24	50	27	8	100
50-125	65	50	100	385	485	132	160	100	70	240	190	145	14	110	14	240	24	50	27	8	100
65-125	80	65	100	385	485	160	180	125	95	280	212	150	14	110	14	240	24	50	27	8	100
32-160	50	32	80	385	465	132	160	100	70	240	190	145	14	110	14	240	24	50	27	8	100
40-160	65	40	80	385	465	132	160	100	70	240	190	145	14	110	14	240	24	50	27	8	100
50-160	65	50	100	385	485	160	180	100	70	265	212	145	14	110	14	240	24	50	27	8	100
65-160	80	65	100	385	485	160	200	125	95	280	212	150	14	110	14	240	24	50	27	8	100
80-160	100	80	125	395	520	180	225	125	95	320	250	190	14	110	14	250	24	50	27	8	140
32-200	50	32	80	385	465	160	180	100	70	240	190	140	14	110	14	240	24	50	27	8	100
40-200	65	40	100	385	485	160	180	100	70	265	212	166	14	110	14	240	24	50	27	8	100
50-200	65	50	100	385	485	160	200	100	70	265	212	166	14	110	14	240	24	50	27	8	100
65-200	80	65	100	385	485	180	225	125	95	320	250	190	14	110	14	240	24	50	27	8	140
80-200	100	80	125	500	625	180	250	125	95	345	280	215	18	110	14	310	32	80	35	10	140
100-200	125	100	125	505	630	200	280	160	120	360	280	200	18	110	14	310	32	80	35	10	140
125-200	150	125	140	505	645	250	315	165	120	400	315	230	18	110	14	310	32	80	35	10	140
32-250	50	32	100	385	485	180	225	125	95	320	250	190	14	110	14	240	24	50	27	8	100
40-250	65	40	100	385	485	180	225	125	95	320	250	190	14	110	14	240	24	50	27	8	100
50-250	65	50	100	385	485	180	225	125	95	320	250	190	14	110	14	240	24	50	27	8	100
65-250	80	65	100	495	595	200	250	160	120	360	280	200	18	110	14	305	32	80	35	10	140
80-250	100	80	125	495	620	200	280	160	120	400	315	240	18	110	14	305	32	80	35	10	140
100-250	125	100	140	500	640	225	280	160	110	400	315	240	18	110	14	310	32	80	35	10	140

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)

Material Equivalents

Description	DIN / EN		AISI / SAE / ASTM
Cast Iron	0.6025	EN-GJL-250 (GG25)	A48 Class 40B
Nodular Cast Iron	0.7040	EN-GJS-400-15 (GGG40)	A 536 Gr. 60-40-18
Chrome Nickel Moly. Cast Steel	1.4408	GX5CrNiMo19-11-2	A351 CF8M
Chrome Steel	1.4021	X20Cr13	A276 Type 420
Chrome Nickel Moly. Steel	1.4301	X5CrNi18-10	A276 Type 304



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