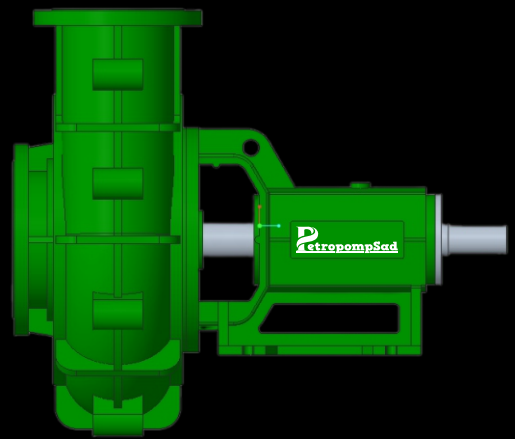




Pump Technologies | Pompa Teknolojile

EHDSP Series

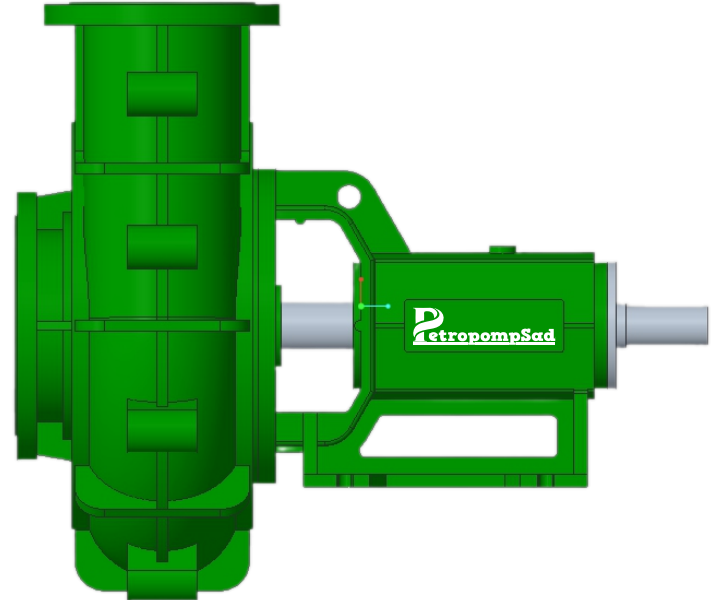




Pump • Fire Fighting Units • Booster Set

EHDSP

Extra Heavy Duty Slurry Pumps



Handled Liquids

Slurry, highly contaminated, viscous, corrosive and abrasive liquids with solid or fibrous particles.

Technical Data

Discharge Flange _____ DN100.....DN 300 mm

Capacity _____ up to 1800 m³/h

Head _____ up to 60m

Temperature Operation _____ -10°C up to +110 °C

Speed _____ up to 1500rpm

Note: The Material of pump differs according to the type of pumped liquid, operating temperature and pressure. Contact for detailed information.

Fields of Application

Mining and mineral processing
Sand and gravel processing plants
Abrasive slurry transfer
Industrial plants
Pulp and paper industry
Cyclone feed
Mine wastes transfer
Fly ash and bottom ash transport
Manure transfer
Lime mud transport
Waste water systems
Chemical slurries

Design Features

EHDSP pump series are carefully designed by taking into consideration years of production experience of STANDART POMPA and field experiences of our customers using process and slurry pumps. Hydraulic efficiency and hardwearing are considerate and optimised while hard solid particles were pumping.

EHDSP pump series users are offered with advantages of resistant to extensive wear, high reliability, high hydraulic efficiency, cost effective spare parts and continuous spare part supply in short lead time.

Bearing Design

EHDSP pump series are produced with extra heavy duty (EHD) design. Grease lubricated bearings of EHD can be replaced with oil lubricated as well.

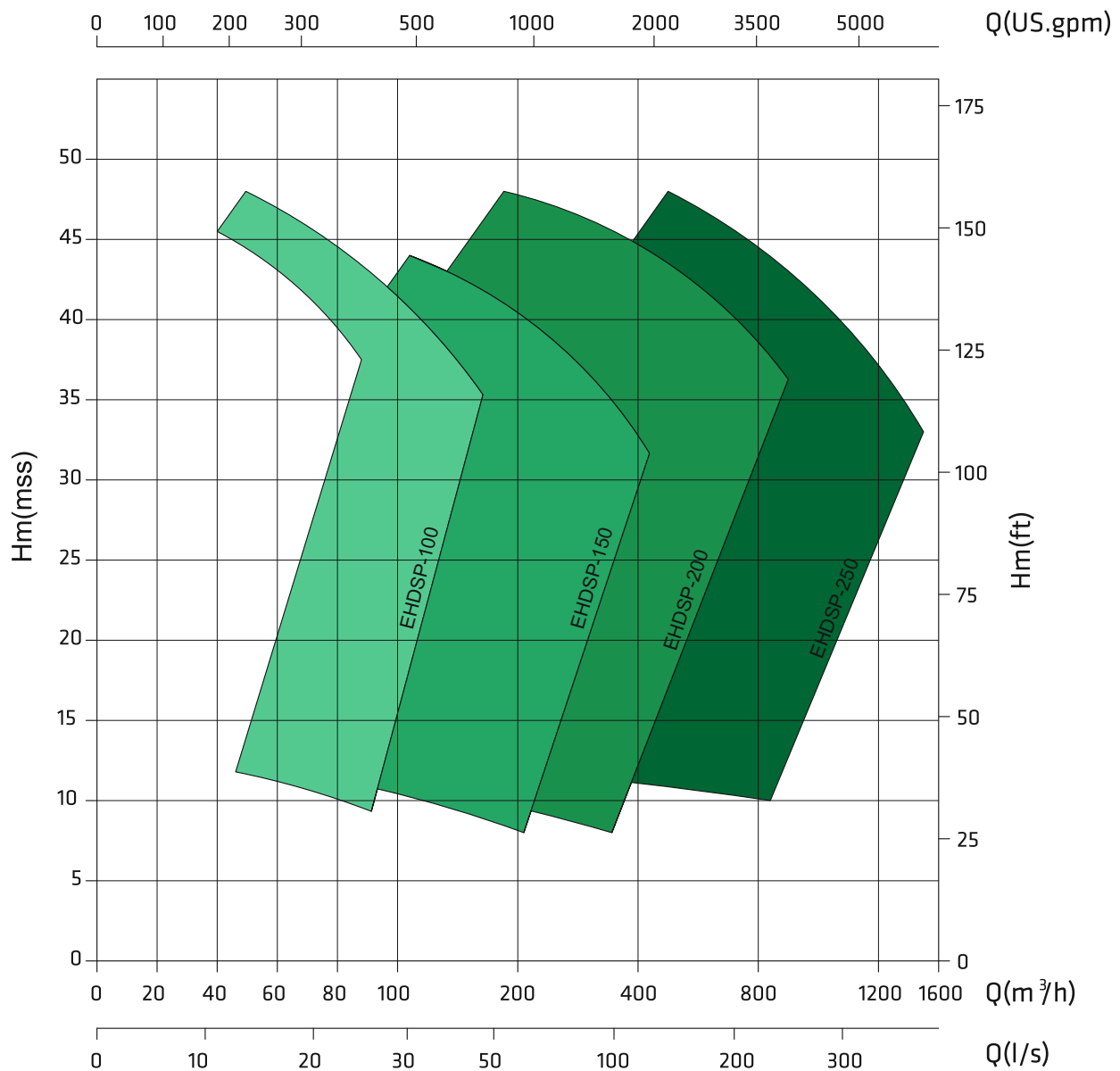
Pump Designation

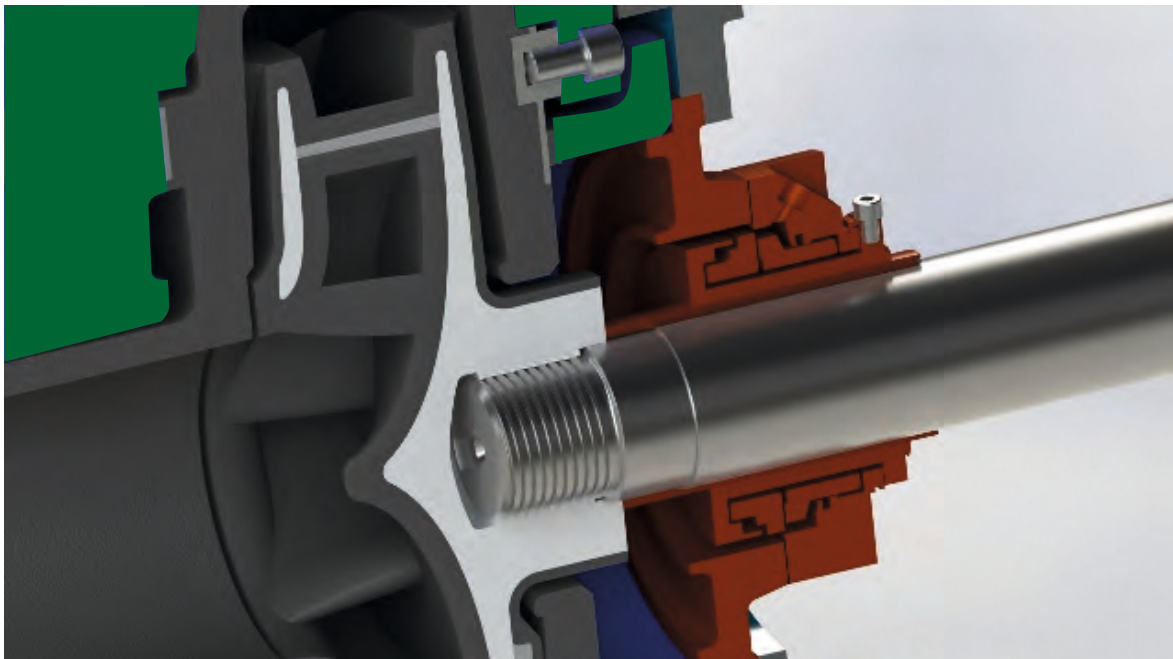
EHDSP 250 HC

Pump Type _____
Discharge Nozzle (DN-mm) _____
Pump Material Selection _____



HORIZONTAL SHAFT EXTRA HEAVY DUTY RUBBER LINER SLURRY PUMPS



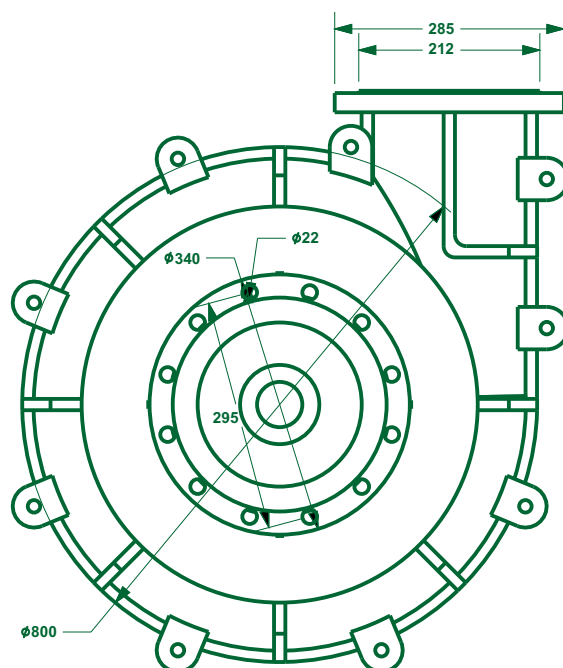
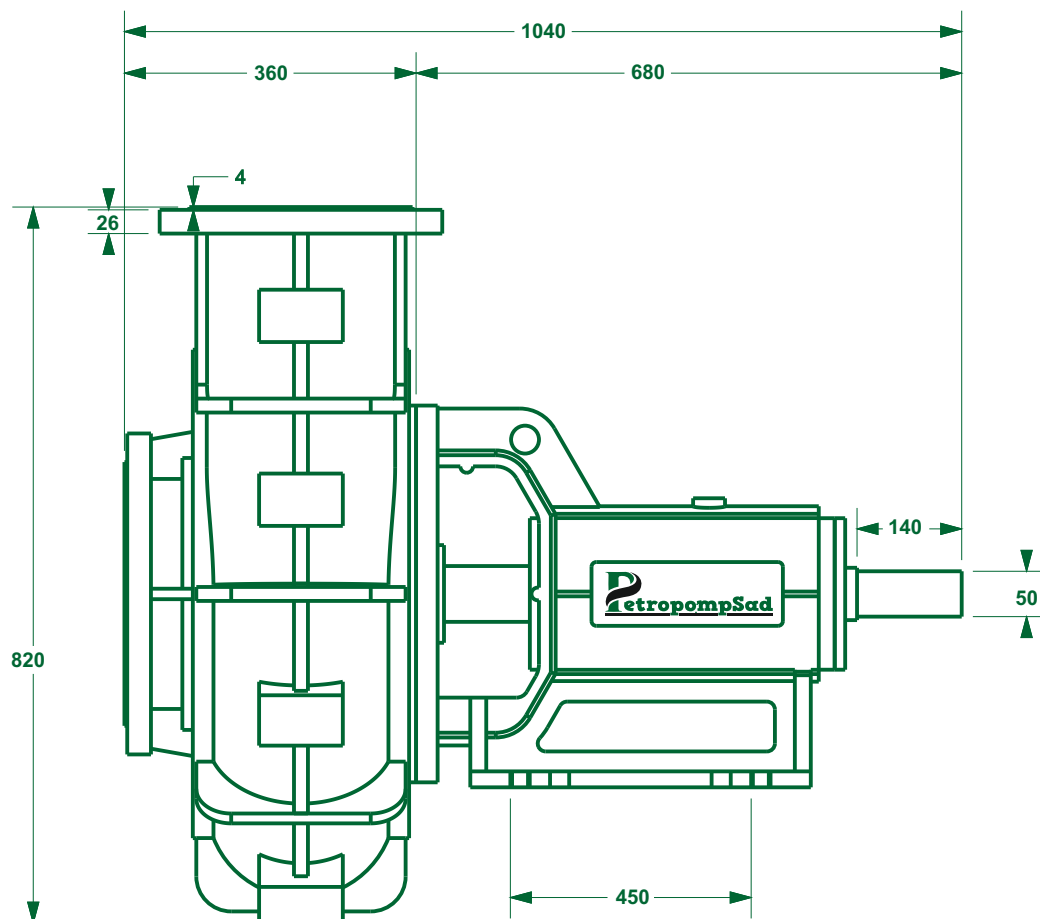


EHDSP Cartridge Type Single Mechanical Sealing

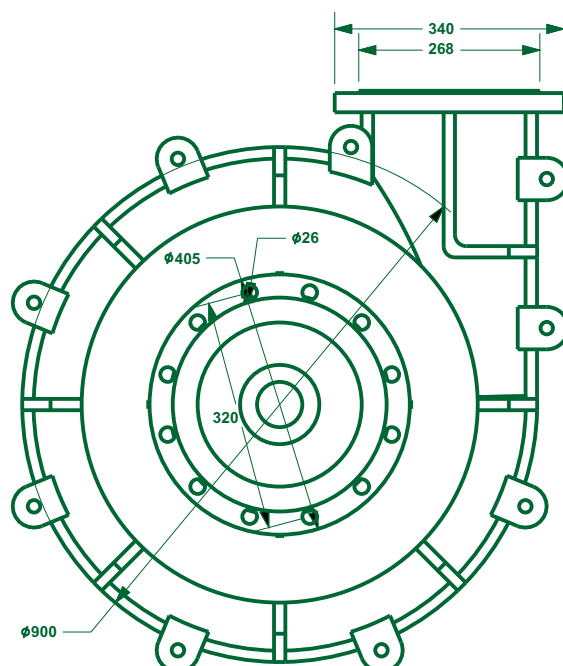
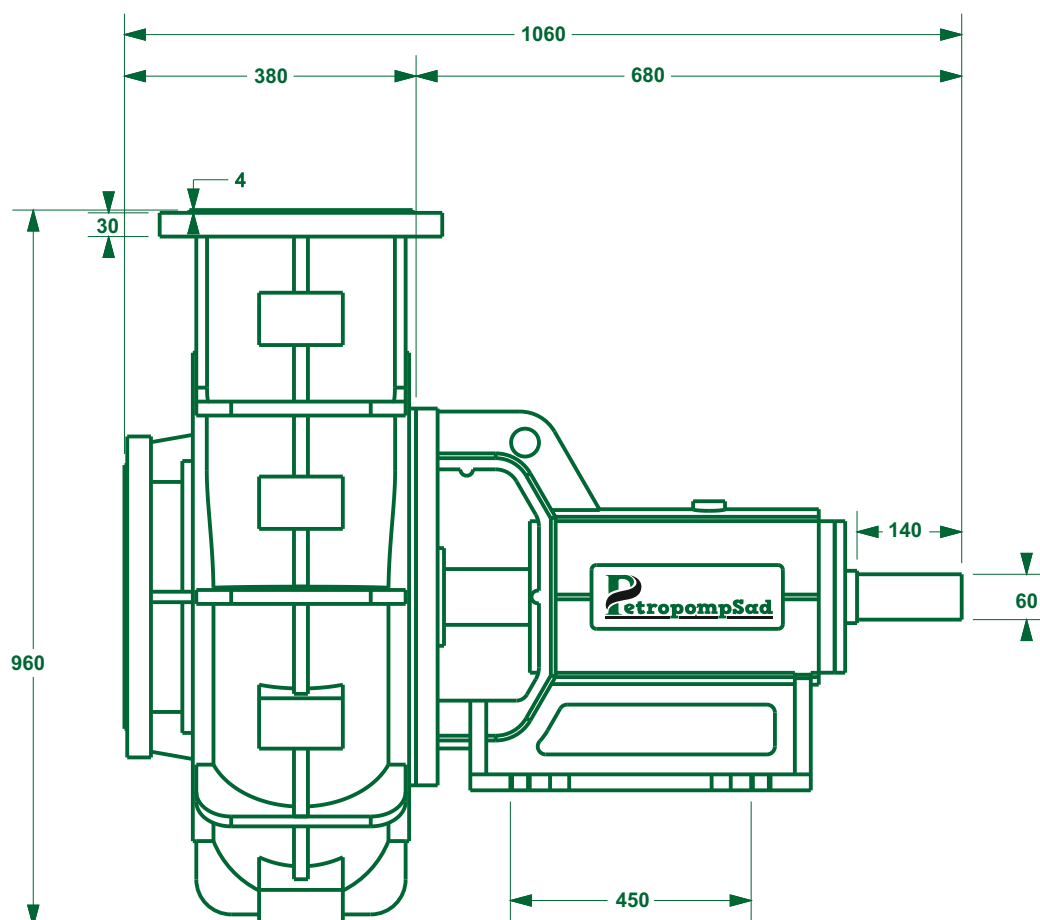
Hydraulic film between sealing surface elements is formed by pumping fluid or externally injected liquid which is the way of API 610 approved.

Distance adjustment between wear plate and back vanes of the impeller can set the pressure on cartridge mechanical sealing.

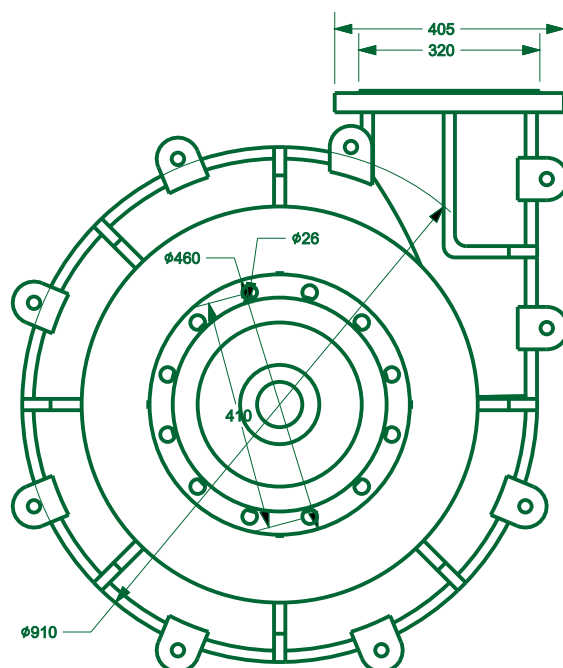
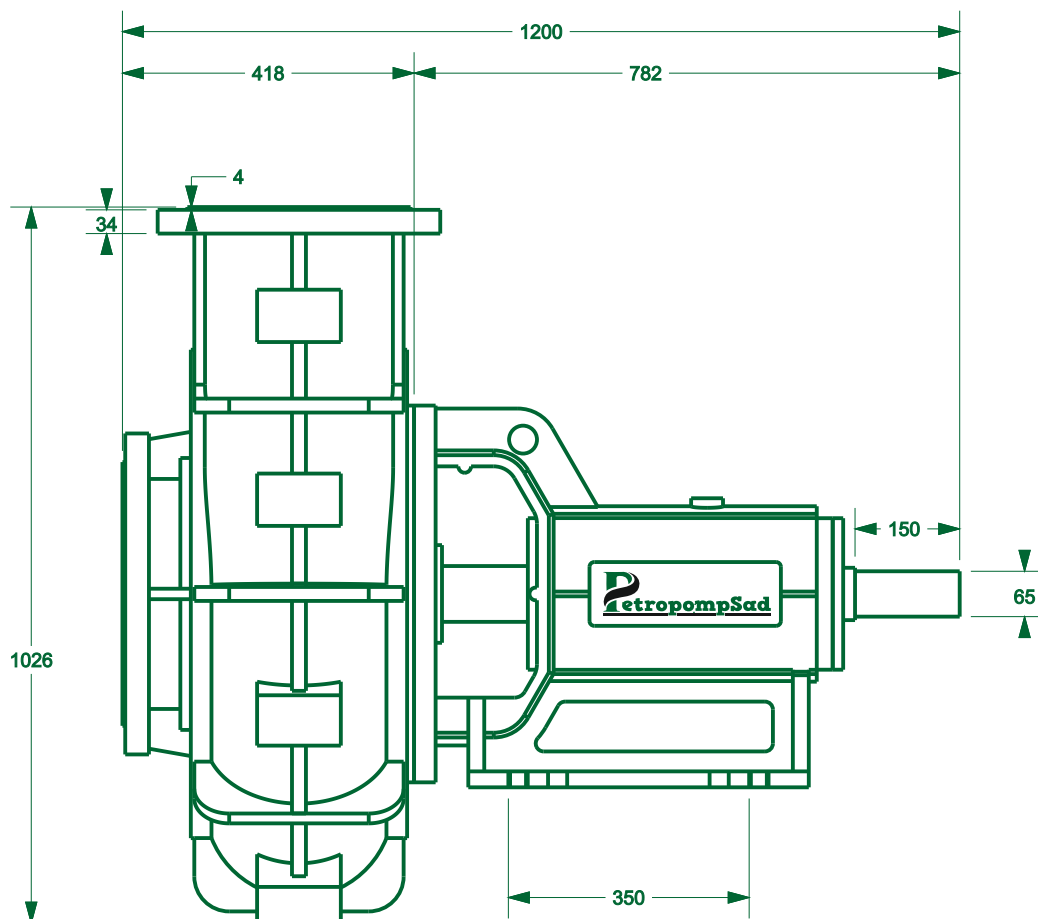
EHDSP 100 -500



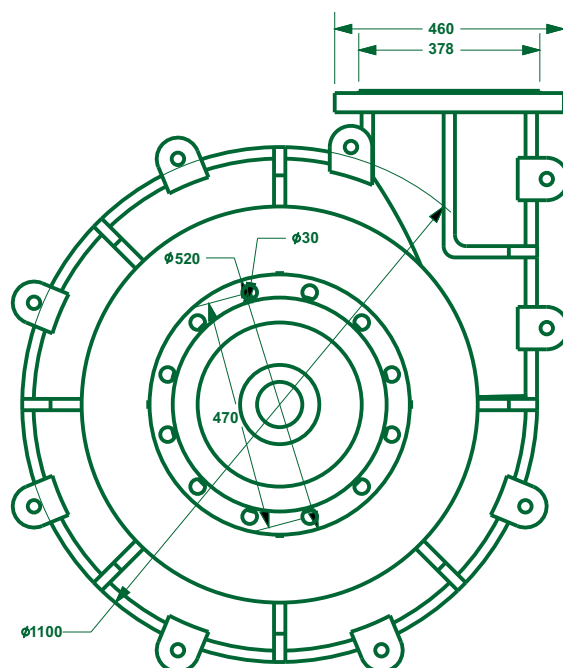
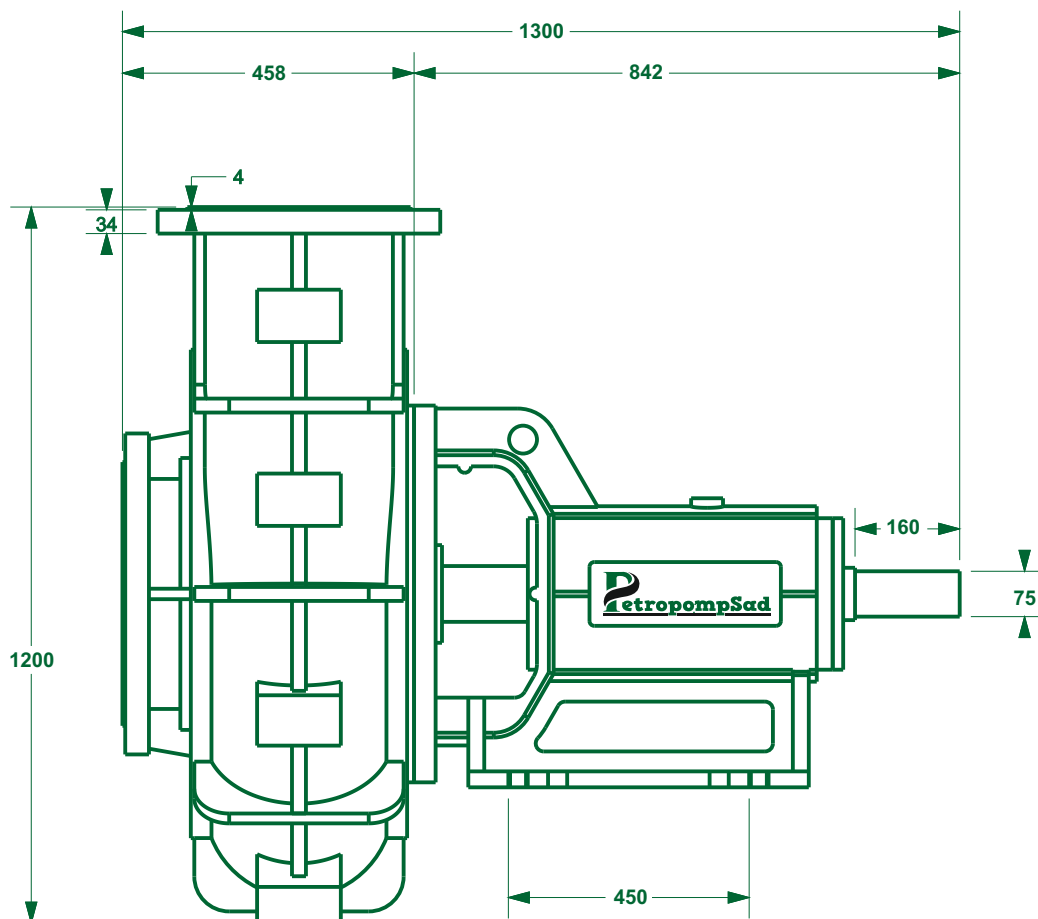
EHDSP 150 -500

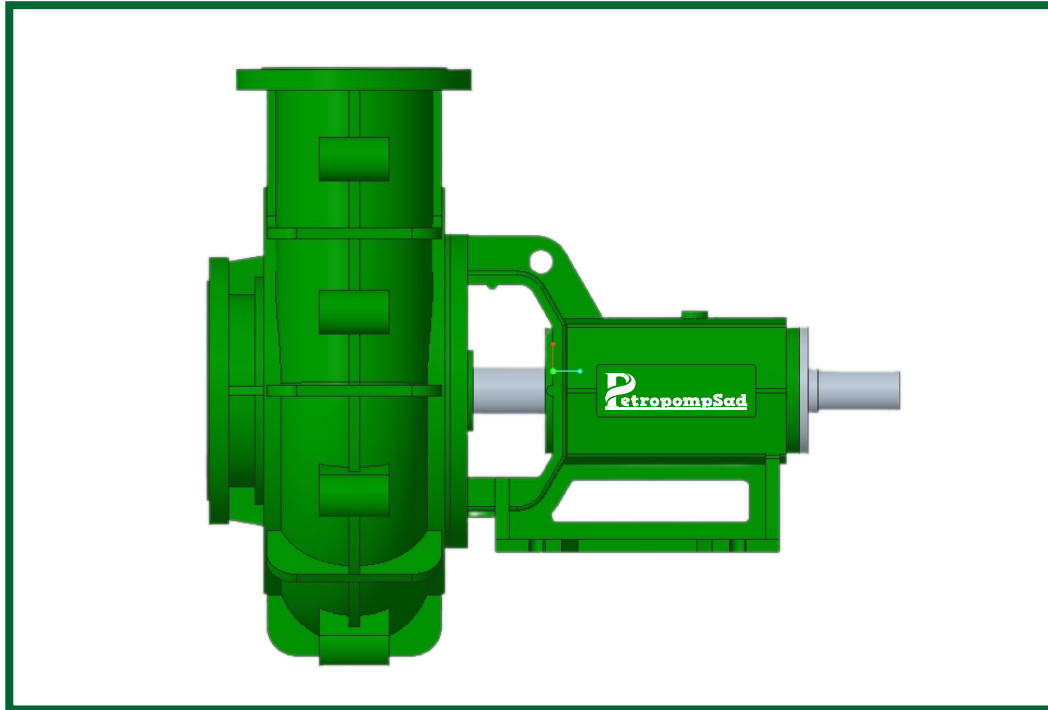


EHDSP 200 -500



EHDSP 250 -500



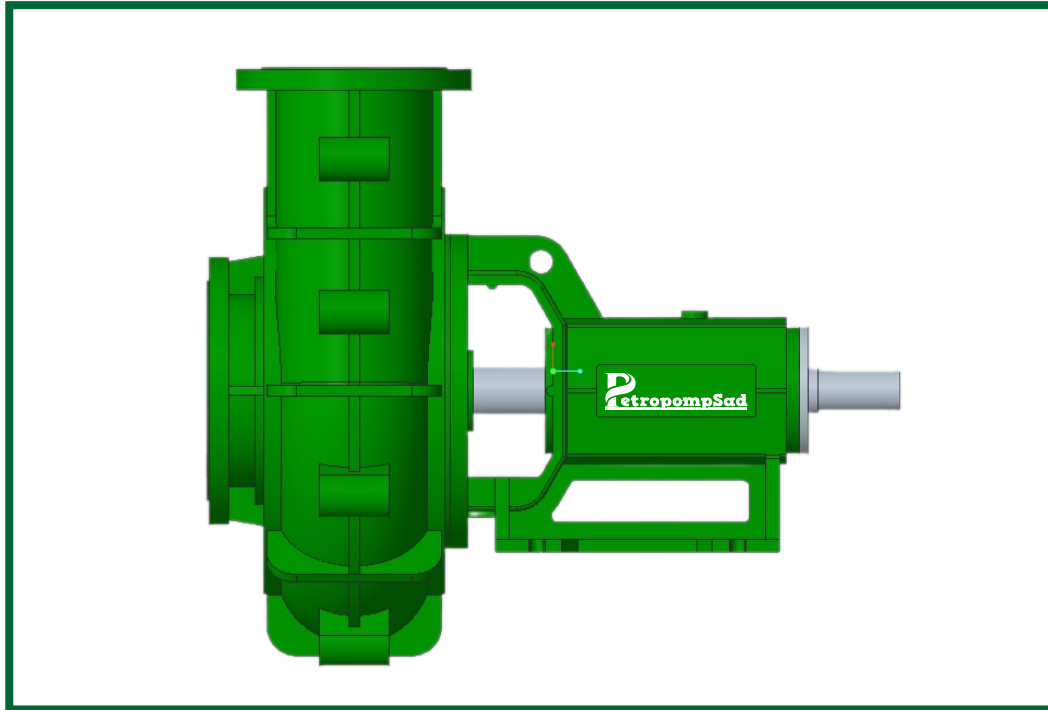


Material Options EHDSP-A

PART LIST	0.6025	0.7040	0.7043	0.7050	1.0619	1.0037	1.3505	1.4317	1.4525	1.4308	1.4412	1.4527	1.4468	1.4517	1.4469	5.5610	2.1050.01	2.0975.01	2.1096.01	2.0975	1.4021	1.4021(QT)	1.4301	1.4404	1.4460	1.4462	1.0503
Volute Casing	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Impeller	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Back Wear Plate	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Expeller Ring	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Stuffing Box	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Expeller	○	○	○	○	○			○	○	○	○	○	○	○	○	●	○	○	○	○							
Bearing Housing	●	○	○	○																							
Cartridge Housing	●	○	○	○																							
Shaft																					●	○	○	○	○	○	○
Shaft Sleeve							●														○	○	○	○	○	○	○
Pump Flanges	○	○	○	○		●										○											
Bolt, Nut and Washer																							●	○			

PART LIST	EPDM	VITON	NR
O-Ring	●	○	○
Gasket	●	○	○

● Standard manufacturing
○ Optional

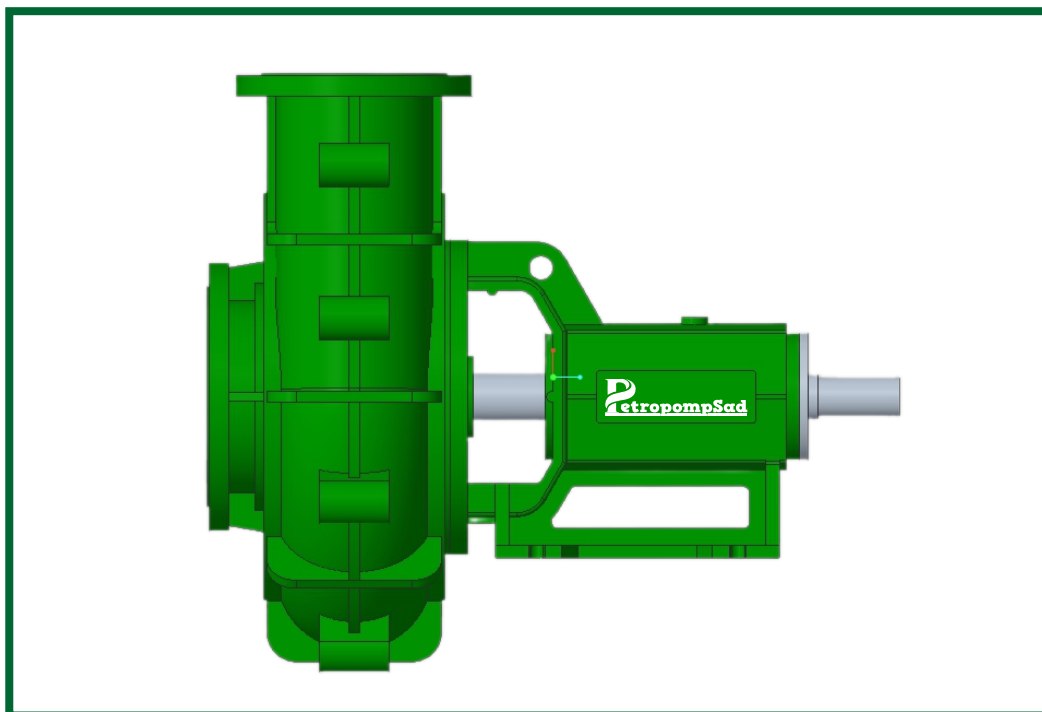


Material Options EHDSP-B

PART LIST	0.6025	0.7040	0.7043	0.7050	1.0619	1.0037	1.3505	1.4317	1.4525	1.4308	1.4412	1.4527	1.4468	1.4517	1.4469	5.5610	2.1050.01	2.0975.01	2.1096.01	2.0975	1.4021	1.4021(QT)	1.4301	1.4404	1.4460	1.4462	1.0503
Volute Casing	○	●	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Inner Volute Lining	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Impeller	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Back Wear Plate	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Expeller Ring	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Stuffing Box	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Expeller	○	○	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○							
Bearing Housing	●	○	○	○																							
Cartridge Housing	●	○	○	○																							
Shaft																					●	○	○	○	○	○	○
Shaft Sleeve							●														○	○	○	○	○	○	○
Pump Flanges	○	○	○	○		●										○											
Bolt, Nut and Washer																							●	○			

PART LIST	EPDM	VITON	NR
O-Ring	●	○	○
Gasket	●	○	○

● Standard manufacturing
○ Optional



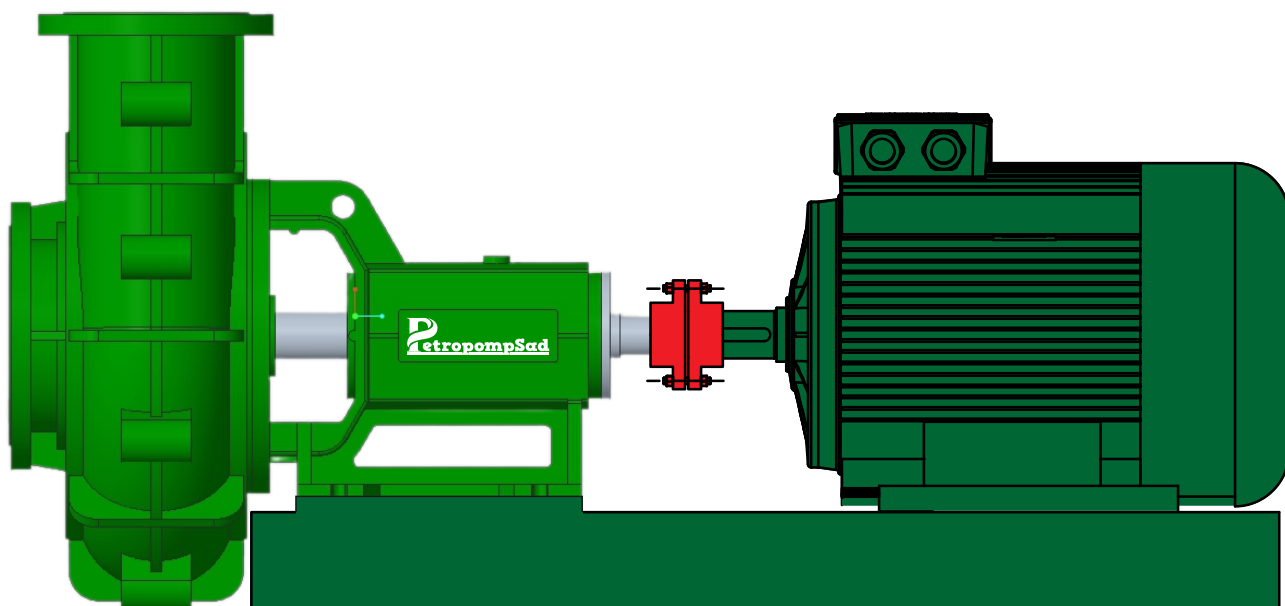
Material Equivalents

Description	DIN 17007	EN-DIN	AISI / SAE / ASTM
Cast Iron	0.6025	EN-GJL-250 (GG 25)	A48 Class 40B
Nodular Cast Iron	0.7040	EN-GJS-400-15 (GGG 40)	A536 60-40-18
Nodular Cast Iron	0.7043	EN-GJS-400-18-LT (GGG 40.3)	A536 60-40-18
Nodular Cast Iron	0.7050	EN-GJS-500-7 (GGG 50)	A536 88-55-06
Cast Steel	1.0619	GP240GHGS-C25	A216 WCB
Steel	1.0037 37-2	St	A238Gr.C
Bearing Steel	1.3505	100Cr6	52100
Martenzitic Stainless Cast Steel	1.4317	G-X 4 CrNi 13 4	A743 CA-6NM
Martenzitic Stainless Cast Steel	1.4525	G-X 5 CrNiCu 16 4	A747 CB7Cu-2
Chrome Nickel Cast Steel (Heat Treated)	1.4308	G-X 6 CrNi 19 10	A743 CF-8
Austenitic Cast Steel (Heat Treated)	1.4412	C-X 5 CrNiMo 19 11 3	A743 CG-3M
Austenitic Cast Steel (Heat Treated)	1.4527	C-X 4 NiCrCuMo 30 20 4	A743 CN-7M
Duplex Steel (Austenitic-Ferritic, Heat Treated)	1.4468	G-X 2 CrNiMoN 25 6 3	A890 3A
Duplex Steel (Austenitic-Ferritic, Heat Treated)	1.4517	G-X 2 CrNiMoN 25 6 3 3	A890 1B
Duplex Steel (Austenitic-Ferritic, Heat Treated)	1.4469	G-X 2 CrNiMo 26 7 4	A890 5A
Wear Resistant Casts	5.5610	EN-GJN-HV600 (XCr23)	A532 Class III Type A
Cast Bronze (Tin Alloy)	2.1050.01	CuSn10	B427 C90700
Cast Bronze (Nickel Alloy)	2.0975.01	10NiCuAl	B148 C95500
Cast Bronze (Leaded)	2.1096.01	CuSn5ZnPb	B584 C83600
Cast Aluminium Bronze	2.0975	CuAl10 Fe5Ni5	B505 C95800
Carbon Steel	1.0503	C45	AISI 1045
Chrome Steel	1.4021	X20Cr13	A276 Type 420
Chrome Steel (Heat Treated)	1.4021(QT)	X20Cr13	A276 Type 420+QT
Chrome Nickel Steel	1.4301	X5CrNi18-10	A276 Type 304
Chrome Nickel Steel (Low Carbon)	1.4404	X2CrNiMo17-12-2	A276 Type 316
Duplex (Austenitic-Ferritic) Steel	1.4460	X3CrNiMoN27-5-2	AISI 329
Duplex (Austenitic-Ferritic) Steel	1.4462	X2CrNiMoN22-5-3	UNS S32205

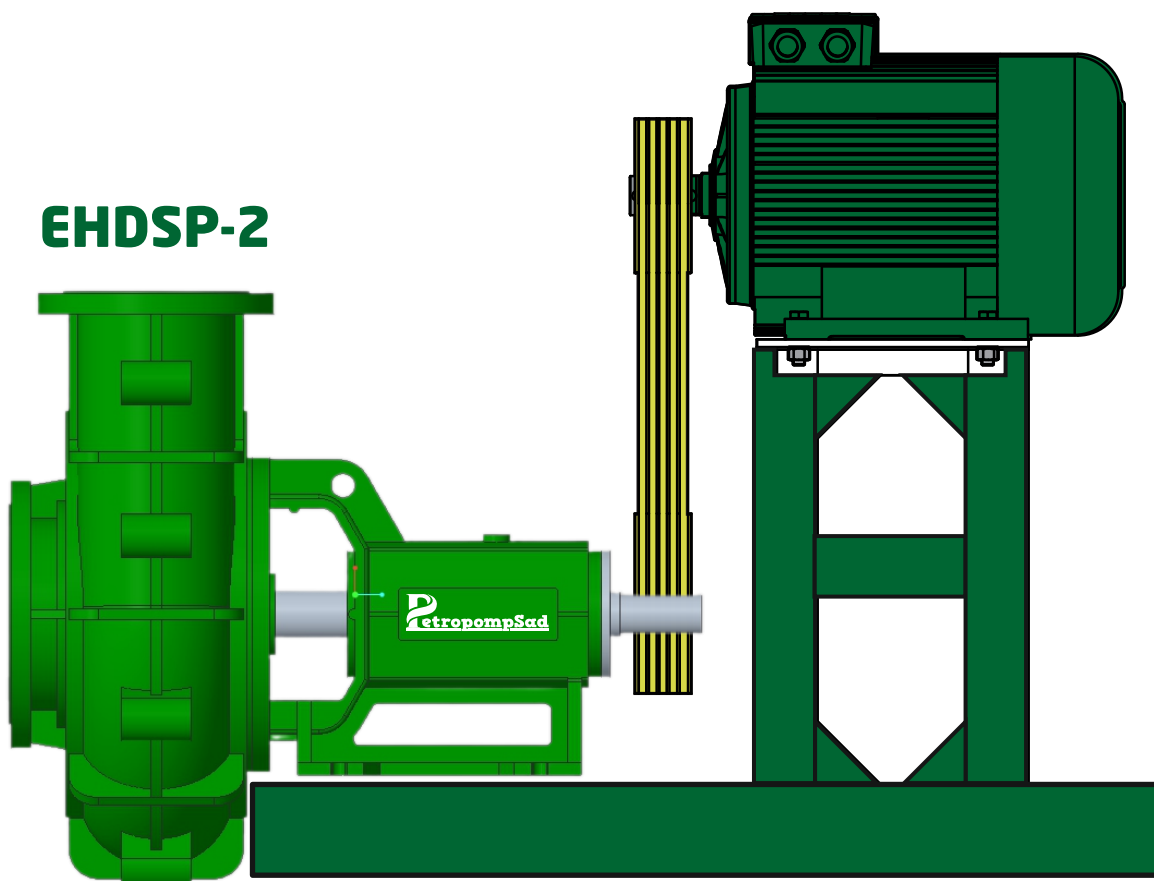
RUBBER MATERIALS

Natural Rubber	NR	Urethane	UR
Neoprene	CR	Hypalon	CSM
Synthetic Rubber (Butyl)	IIR	Viton	FKM
Nitril Rubber	NBR	Chlorobutyl	CIIR
Polyurethane	PU	Ethylene Propylene Diene	EPDM

EHDSP-1



EHDSP-2





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