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Технические характеристики на погружные насосы для сточных вод серии GDP компании **SEP Pumps and Motors**

GDP

Serisi / Series

GDP Serisi Pis Su Dalgıç Pompaları

GDP Series Waste Water Sewage Submersible Pumps

Uygulama Alanları

Application Fields

- Raw water supply
- Process fluids
- Household and industrial waste water with solids inside
- Sewage water
- Rain water
- Circulation systems
- Any kind of drainage systems

Operating Limits

Capacity (Q)	: up to 3000 m ³ /h
Manometric Head (Hm)	: up to 100 mWc
Operating Temperature (t)	: up to 40 °C
Immersion Depth (Pmax)	: 2 bar
Speed range	: 750-1000-1450-2950 rpm
Protection Class	: IP68
Cable Type&Length	: H7RN-F / 10 meters

Design

SEP GDP series pumps are combination of 44 types of normalized pumps, 32 types of sewage and drainage pumps with 14 types of SPM submersible motors with different rotational speeds and powers. SEP GDP series submersible pumps are built by coupling of SPM submersible motor to a pump group by using a special adapter. The adapter is also an oil bath which ball bearings and mechanical seals placed in. Different Impeller types are alternatively used according to the application such as single-double-tree blade and non-logging vortex type. Motor protection is provided by leakage sensor and thermistor instruments. The system needs no additional relay. Different voltage and frequencies are also available on demand.

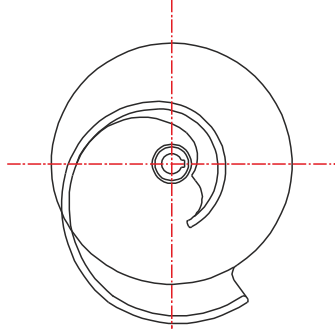
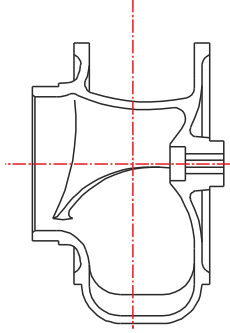


Kodlama / Designation

GDP-S 150/140 - D



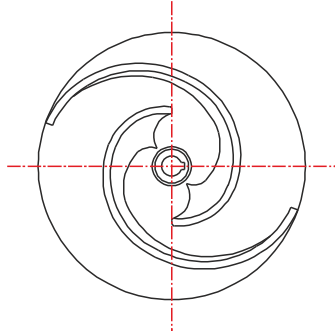
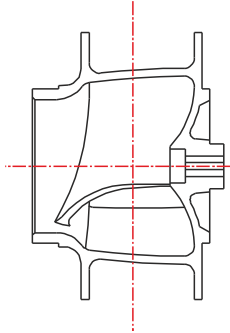
GDP Pompalarda Kullanılan ark Tipleri / GDP Pumps Impeller Types

S Tip
S Type

- Tek kanatlı tıkanmaz ark
- Katı para ihtiva eden sular
 - Yağmur suyu drenajı
 - Ham/Artılmış kanalizasyon suyu
 - Yüksek oranda amurlu su
 - Yüksek debi

Single vane, non-clogging impeller

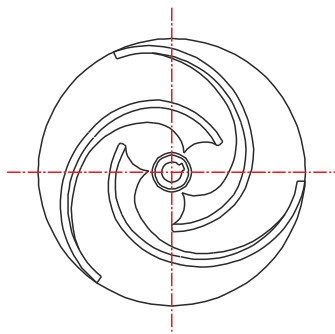
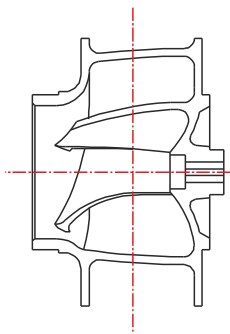
- Water with solid particals
- Rain water drainage
- Raw/processed sewage water
- High density muddy water
- High Capacity

D Tip
D Type

- İki kanatlı simetrik ark
- Lif ve elyaf içermeyen
 - Sınırlı boyutlarda katı para ihtiva eden sular,
 - Yağmur suyu drenajı,
 - Ham/Artılmış kanalizasyon suyu
 - amurlu ve kumlu su
 - Dik Hm-Q karakteristiğ i

Double vane, symmetric impeller

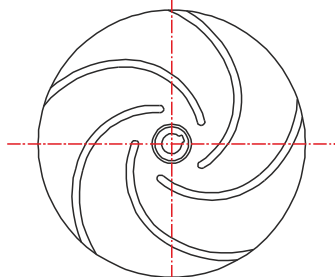
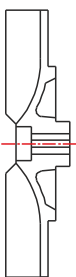
- No fiber,
- but limited dimension solid particals
- Rain water drainage
- Raw/processed sewage water
- Muddy and sandy water
- With ramp Hm- Q characteristic

T Tip
T Type

- Ü kanatlı ark
- Lif ve Elyaf içermeyen
 - Küçük boyutlarda katı para ihtiva eden sular,
 - Yağmur suyu drenajı,
 - Ham/Artılmış kanalizasyon suyu
 - amurlu ve kumlu su
 - Yatık Hm-Q karakteristiğ i ile yüksek Hm

Three Vane Impeller

- Without any fiber inside
 - Water including small dimension solid particals
 - Rain water drainage
 - Raw/processed sewage water
 - Muddy and sandy water
 - High monometric head and aslope
- Hm - Q characteristic

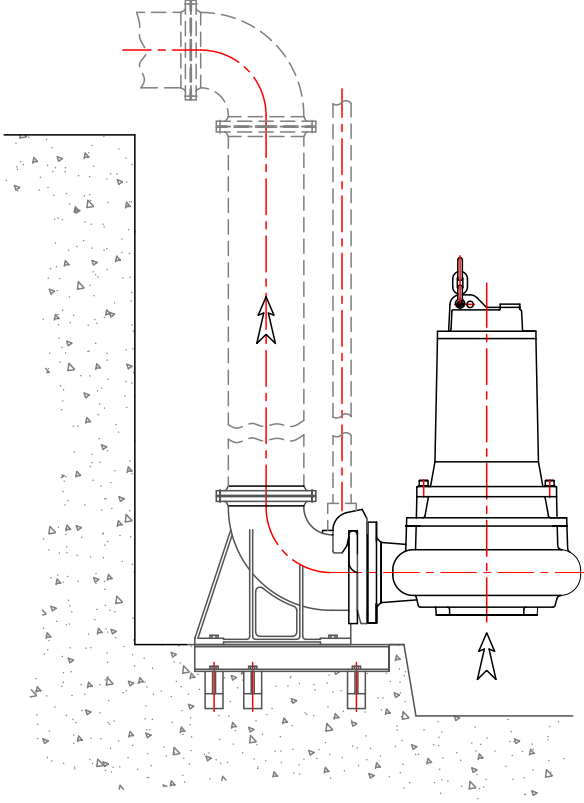
V Tip
V Type

- Tıkanmaz tip vorteks ark
- Lif, elyaf ve katı para ihtiva eden sular,
 - Yağmur suyu drenajı,
 - Ham/Artılmış kanalizasyon suyu
 - amurlu ve kumlu su

Non- Clogging Vortex Impeller

- Water including fiber and solid particals
- Rain water Drainage
- Raw/processed sewage water
- Muddy and sandy water

GDP Pompalar Montaj Şekilleri / GDP Pumps Installation Types

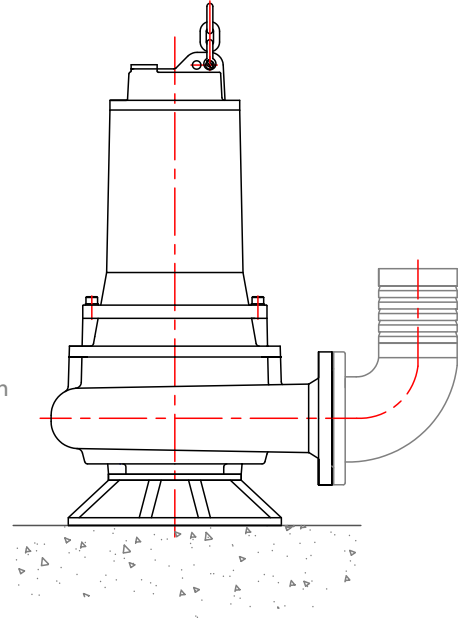


AKW

- Kızak dirsekli, otomatik akuplaj
- Stationary wet-well installation with guide rails

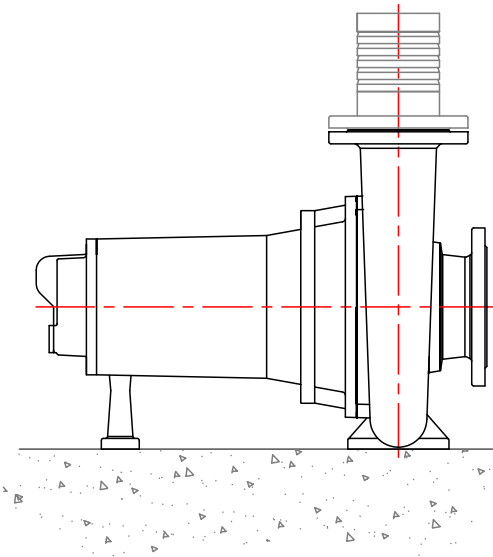
PWV

- Hortum çıkış dirsekli ve düşey ayaklı seyyar tip (düşey milli)
- Transportable wet-well installation (vertical shaft)

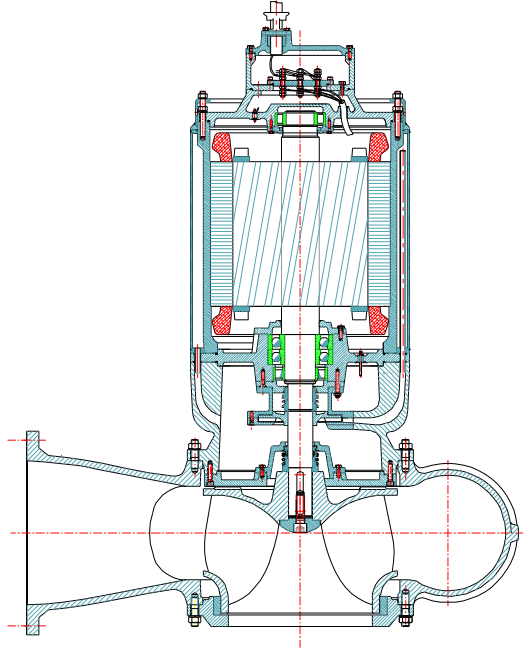


PWH

- Hortum çıkış rakorlu, seyyar tip (yatay milli)
- Transportable wet-well installation (horizontal shaft)

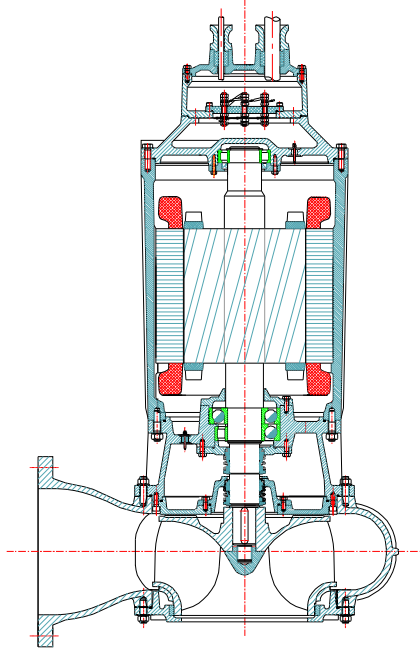


GDP Pompalarda Motor Soğutma Opsiyonları
Motor Cooling Options of GDP Pumps



Soğutma Ceketli
(Cebri soğutma)

With cooling jacket
(External cooling)

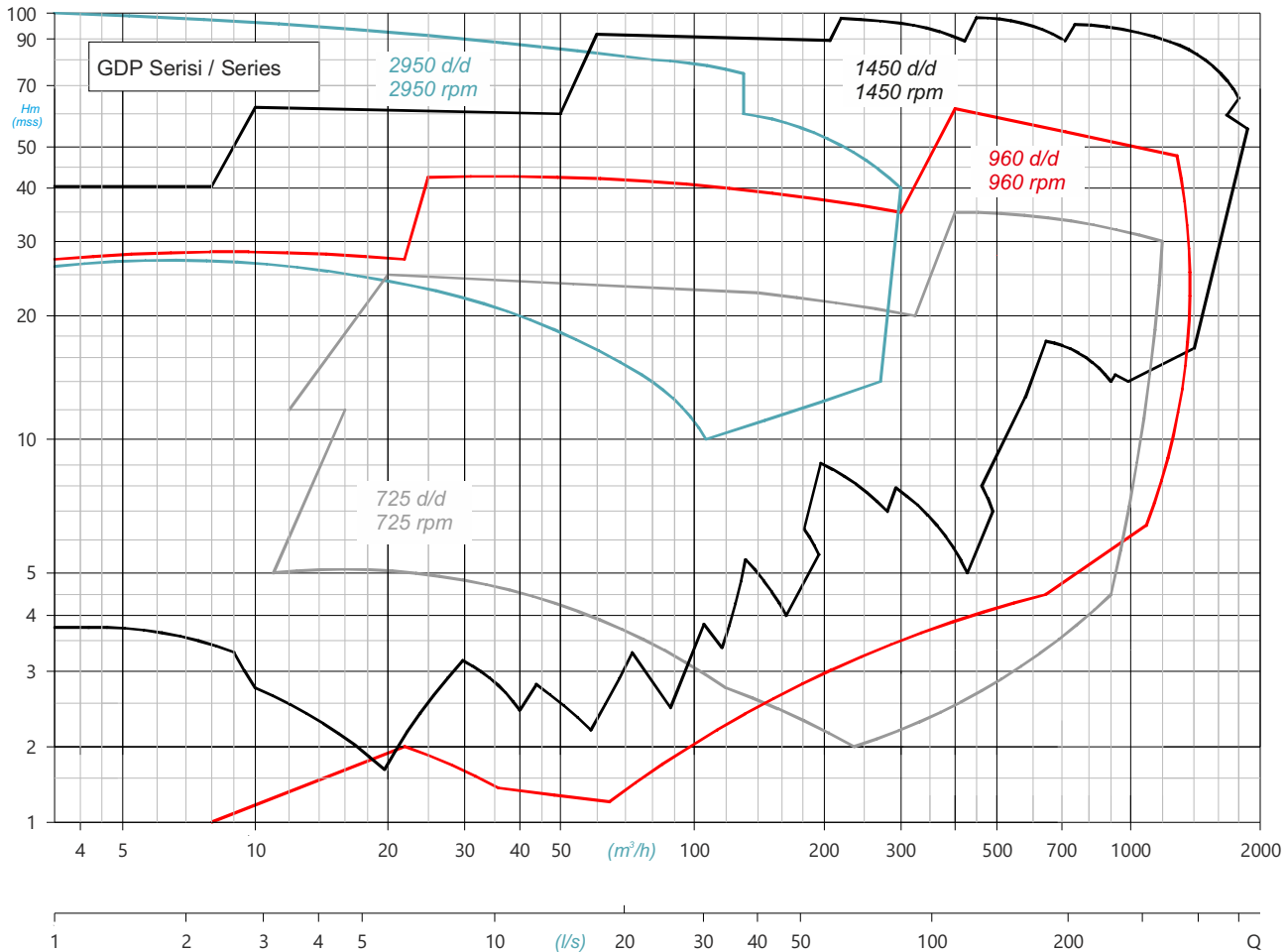


Dıştan Soğutmalı
(Doğal Soğutma)

Outer Cooling
(Natural cooling)

GDP Performans Tablosu 50 Hz

GDP Performance Chart 50 Hz



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