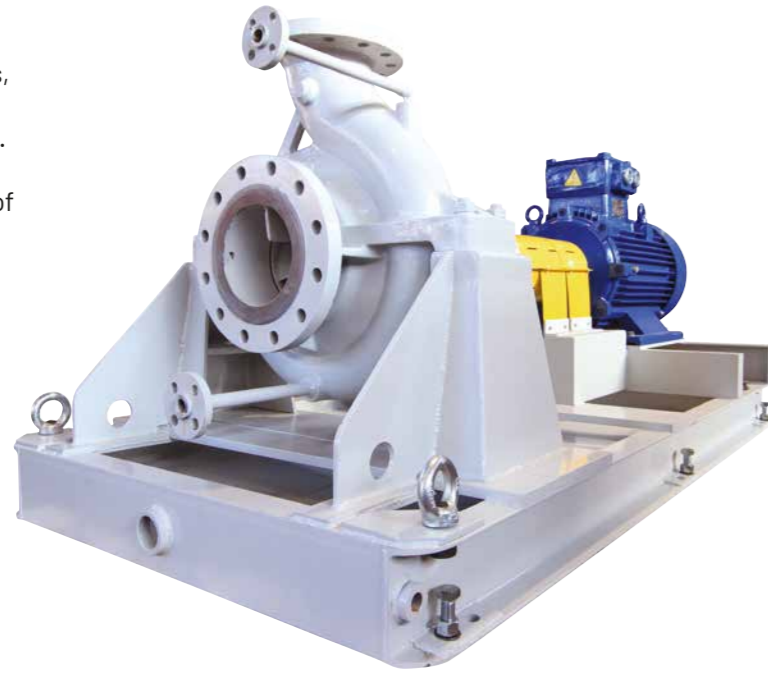


API – 610 PROCESS AND NORM-HP HOT WATER PUMPS

Turbosan API-Process pumps are special type of pumps, generally used for pumping fluids in complicated processes. They are manufactured according to API 610. Their long endurance life, reliable and robust construction make them suitable to meet requirements of most demanding applications.

Hot fluids, fluids without particles or fluids with small amount of particles can be pumped with these pumps. Mechanical construction is different than that of conventional pumps and they are specially designed.



| | |
|---------------------------|----------------|
| Capacity (m³/h) | 50 – 1000 |
| Head (mWc) | 15 – 90 |
| Discharge size (mm) | Ø50 – 250 |
| Operating Temperature (t) | Up to + 230 °C |

FIRE FIGHTING SETS

Turbosan is able to manufacture “End Suction Type Pumps” and “Double Suction Type Pumps” according to UL 448 standards. The requirements of this standard cover design and test features of centrifugal fire pumps intended for use in water-supply systems for fire-protection service.



- a) Capacity range of UL Listed fire fighting pumps is from 50 GPM to 2000 GPM
- b) Capacity range of FM APPROVED fire fighting pumps is from 300 GPM to 1000 GPM
- c) 60 Hz UL Listed fire fighting pumps range: 300 GPM to 1250 GPM
- d) UL Listed Fuel Tank: 300, 600, 910, 1260 Liters



TÜRBOSAN
“PUMPS AND PUMPING SYSTEMS”



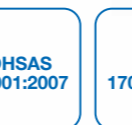
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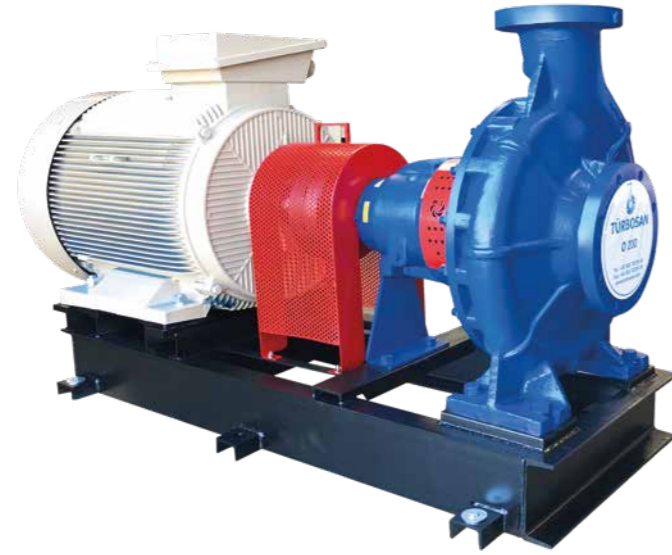
November 2023

DOMESTIC & INDUSTRIAL PUMPS CATALOGUE



NORM SERIES END SUCTION PUMPS:

Turbo-Norm series range of pumps are manufactured fully complying with international standards EN 733 and EN 22858. The standard covers both performance and dimensions. DIN 24256 standard pumps are also available. The pump includes single and double stages as well as with heavy duty bearing constructions. Norm pumps are also available in vertical arrangement and back pull-out design for simple and quick maintenance.



| | |
|------------------------------|-----------|
| Capacity (m ³ /h) | 14 - 3100 |
| Head (mWc) | 10 - 90 |
| Discharge size (mm) | Ø32 - 600 |

CEP SERIES DOUBLE SUCTION SPLIT CASE PUMPS

It is designed as axially split case, single stage, double suction. Available in horizontal and vertical configuration and direction of rotation to suit pump station layout. Split-case pumps are installed in the pulp and paper mills, in water and sewage pump stations, in power plants, in water cooling systems and iron & steel mills. There are many versions of basic design.



| | |
|------------------------------|-----------|
| Capacity (m ³ /h) | 36 - 9500 |
| Head (mWc) | 10 - 175 |
| Discharge size (mm) | Ø65 - 700 |

KAT SERIES CENTRIFUGAL MULTI STAGE PUMPS

KAT series Pumps are for medium and high pressure applications. Horizontal centrifugal with impellers mounted on an extended shaft, side suction, top delivery with position interchangeability option. KAT series pump are manufactured with soft packing as a standard, mechanical seal is available optionally.



| | |
|------------------------------|-----------|
| Capacity (m ³ /h) | 15 - 500 |
| Head (mWc) | 20 - 350 |
| Discharge size (mm) | Ø50 - 200 |

DAS AND DAC-SC TYPE SUBMERSIBLE WASTE WATER PUMPS

They are disgned to operate under water.

DAS series have single, DAC-SC series double mechanical seals.

DAS / DAC-SC series pump have 3 different installation form;

- Automotic coupling system (with duck foot bend)
- Vertical free standing hose connection
- Horizontally mounted cooling jacket (DAS-SC/HK) pump

The standard electric spefication is 50 Hz, 400 V, and the different voltages are available upon request.

- DAC-SC pumps: Around the motor of the submersible pump a cooling jacket is fitted.

| | DAS | DAC-SC |
|------------------------------|-----------|-----------|
| Capacity (m ³ /h) | 300 | 3000 |
| Head (mWc) | 4 - 40 | 10 - 85 |
| Power (kW) | 1.5 - 11 | 15 - 400 |
| Discharge size (mm) | Ø50 - 150 | Ø80 - 600 |
| Solid Size (mm) | Ø35 - 120 | Ø40 - 200 |



CAP SERIES WASTE WATER PUMPS

CAP series consist of centrifugal waste water pumps. They are used for pumping muddy liquids like sewage and other solid-water mixture with high viscosity. They are available in different mounting arrangements;

- Horizontal dry-pit (HK)
- Vertical dry-pit mono block (VM)
- Vertical wet-pit with suspension pipe (VY)
- Vertical dry-pit with universal shaft drive (VS)

| | |
|------------------------------|--------------|
| Capacity (m ³ /h) | 10 - 3000 |
| Head (mWc) | 5 - 90 |
| Discharge size (mm) | DN50 - DN600 |



PARPO TYPE SUBMERSIBLE PUMP WITH GRINDER BLADE

PARPO grinder pumps are ideal for residential, commercial and resort applications, offering significant pipe cost saving. 50 Hz 400V and single mechanical seals as standard. 60 Hz and different voltages available on request.

| | |
|------------------------------|---------|
| Capacity (m ³ /h) | 3 - 40 |
| Head (mWc) | 3 - 42 |
| Power (kW) | 1.5 - 4 |
| Discharge size (mm) | DN50 |



MIXED (K) AND AXIAL (E) FLOW EKS - DAC E/K TYPE PUMP

Vertical axial and mixed flow pumps, with high flow rates and low delivery heads for drainage and irrigation systems c/w column pipe (EKS type) are also available in submersible version (DAC E/K type). Submersible version pumps are installed by lowering into steel-tube enclosures or concrete cells thus ensuring low installation costs.

| | EKS-E/K | DAC-E/K |
|------------------------------|-------------|-------------|
| Capacity (m ³ /h) | 300 - 10000 | 300 - 2500 |
| Head (mWc) | 1 - 60 | 3 - 18 |
| Tube size (mm) | Ø200 - 1200 | Ø700 - 1400 |



PROSES TYPE PUMPS

Single-stage, semi open or closed impeller, mechanical sealing, volute case process pump, designed as specified by DIN 24256 standards. Applications include chemical, petroleum and food industries, acids, alkaline solutions, corrosive process liquids and pulps.

| | |
|------------------------------|-----------------|
| Capacity (m ³ /h) | 8 - 720 |
| Head (mWc) | 5 - 90 |
| Discharge size (mm) | Ø40 - 150 |
| Operating Temperature | -20 °C + 140 °C |

