

**SINGLE STAGE DOUBLE SUCTION
SPLIT CASING CENTRIFUGAL PUMPS**

50Hz/60Hz

Series 4900-V-H



FLO FAB

www.flofab.com

Company profile

Flo Fab is a company which specialized in manufacturing and selling various pumps, tanks, and heat exchangers and its accessories. Our Factory occupies 30 thousand square feet, on 130 thousand square feet of land which is located in Bois-des-Filion

Quebec Canada. It

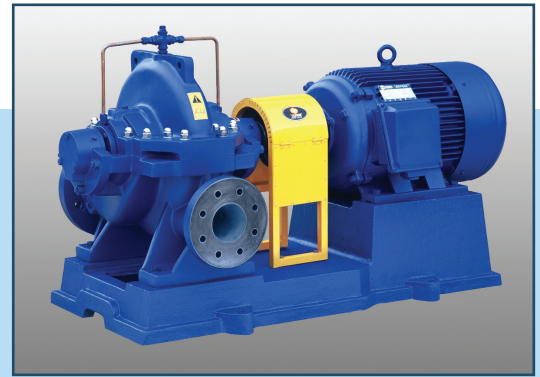
has a convenient transportation on major highways and is approximately 20 kilometers north of the city of Montreal. Our company pays great attention to product quality and the construction of quality management system. Our factory has been in business for more than 40 years.

Our company has over 50 employees including, engineering, designers, R & D and quality control department. The products manufactured are strictly in accordance to standard and every pump is guaranteed to be tested and qualified before being shipped. All tanks and heat exchangers are ASME certified and also tested before being release for shipment.

Our product range covers more than one thousand types over 15 series such as clear water supply, air conditioning, chemical, drainage, sewage handling, boiler feed, condensing, chilled water, heating pumps for municipal, power stations, chemical industry and new or existing buildings.

Our company is not only on track but finds out and designs with the new technology and new products, we devote ourselves in developing new pumping products especially in vertical inline pumps. In recent years we are the first to launch the ZDRI and XRI horizontal, vertical pumps to easy-disassemble these pumps while not removing the pump from the pipeline and also not removing the electric motor.

We will respond to our customers with new and excellent products.



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General Data



● Application

Process Quench water, stripper bottoms, water circulation, cooling tower

Pulp & Paper Primary and secondary cleaner, filtrate, mill water supply, fan pump, shower

Primary Metals Cooling water, quench and leaching

Municipal High lift, low lift, wash water, waste water, raw water

Power Generation Cooling tower, component cooling, service water

Marine Bilge and ballast, cargo, cooling water, fire pump

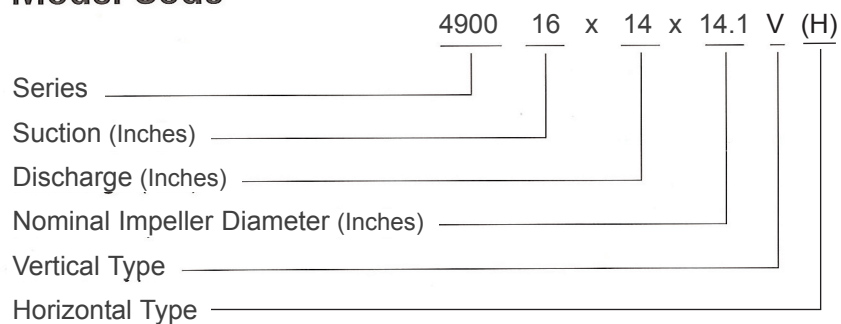
General River water, brine, sea water, fire-fighting system, water and sewage works.

Pump can be design according to API610 BB1 type service for petroleum, petrochemical and natural gas industries

● Operating Data

Pumps Sizes to	56"	DN	1400mm
Capacities to	54,500 US GPM	Q	24000m ³ /h
Heads to	754 ft HEAD	H	230m
Temperatures to	22° F	T	+150° C
Operating Pressure to	430 PSI	P	30bar

● Model Code



Type H



Type V

General Data

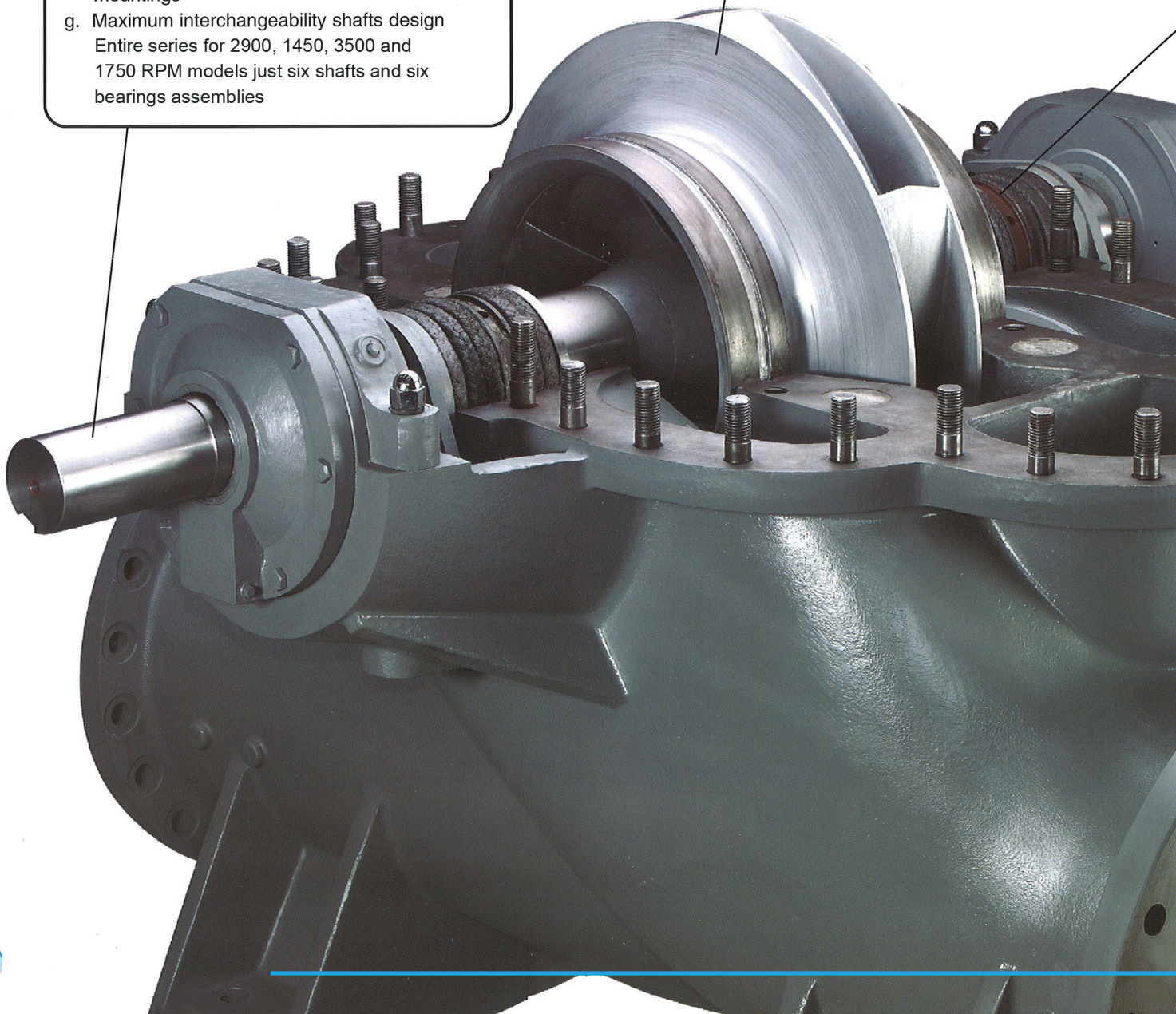
● Design Features and Advantages

5. Shaft

- a. Heavy duty shaft completely sealed and dry for zero corrosion
- b. Short and rigid with negligible vibrations
- c. Replaceable shaft protecting sleeves
- d. No threads exposed to pumped medium, long operating life and no corrosion
- e. Adjustment-free assembly
- f. Quick and easy assembly/dismantling of the rotor components due to elastically prestressed mountings
- g. Maximum interchangeability shafts design
Entire series for 2900, 1450, 3500 and 1750 RPM models just six shafts and six bearings assemblies

4. Impeller

- a. Computer-optimized double entry impellers
- b. Minimal axial thrust due to double-entry impeller
- c. Impeller is statically and dynamically balanced according to ISO1940
- d. Optional impeller wear rings
- e. New vane passage with excellent hydraulic characteristics high-performance



3. Seals

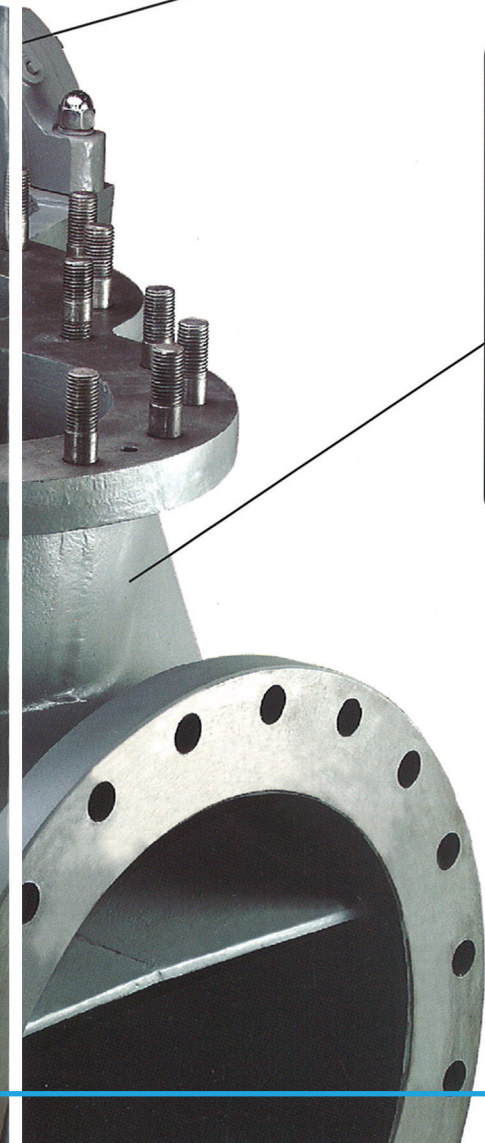
- a. Asbestos-free, potable water quality soft-packed stuffing boxes
- b. Unbalanced mechanical seal, according to DIN24960.
Balance mechanical seal for operating pressure >16 bar on required
- c. Cartridge-type mechanical

3. Bearings

- a. SKF covered, sealed for life grease lubricated antifriction bearings for long service life
- b. Open gland, enough space for service activities
- c. Optional: oil lubrication with constant level oiler

1. Casing

- a. In-line axially split design which permits removal of the complete rotor without moving the pipe and motor
- b. Short distance between bearings
- c. Leak-tight due to compact joint flange with long, Prestressed bolts
- d. Counter-rotation possible with similar parts
- e. Double volute casing reduces radial forces on the impeller and consequently the bearing loads
- f. Easy mounting self-aligning upper casing
- g. Flange drilled to ISO, DIN, BS or ANSI
- h. Smooth surface inside and epoxy coating as required
- i. Replaceable wear rings protect the casing at the impeller running clearances.
- j. Excellent efficiencies and outstanding NPSH
- k. Heavy duty casing design for high working pressure



General Data

● Materials of Construction

Volute casing

Cast iron
Ni-resist cast iron
Ductile cast iron
Carbon steel
Stainless steel
Duplex stainless steel

Impeller

Cast iron
Ni-resist cast iron
Ductile cast iron
Bronze
Stainless steel
Duplex stainless steel

Shaft

Cr-steel
Stainless steel

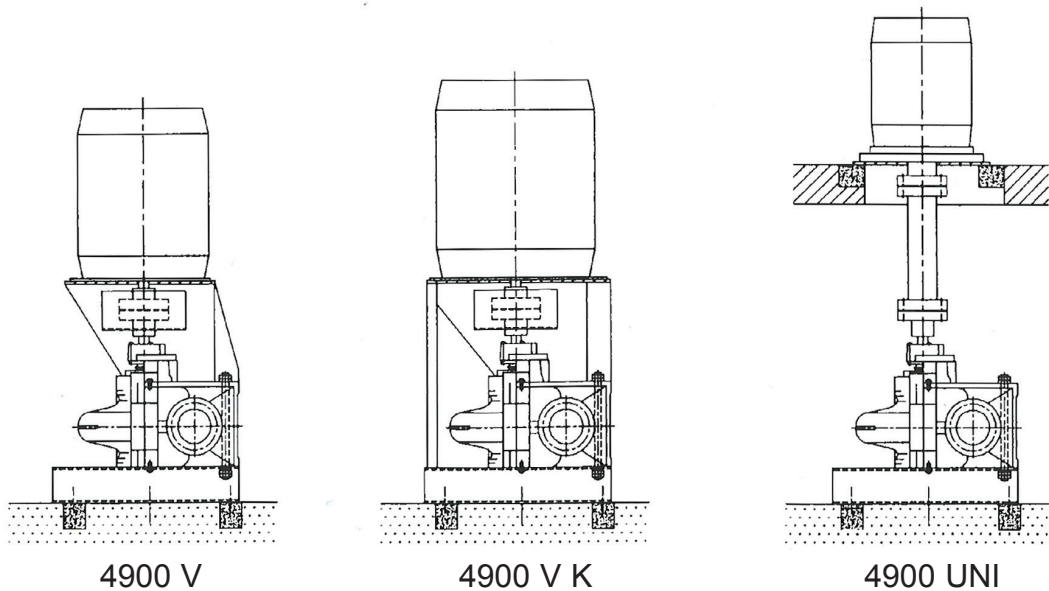
Wear ring

Cast iron
Ni-resist cast iron
Ductile cast iron
Bronze
Stainless steel



● Type of Vertical Arrangement

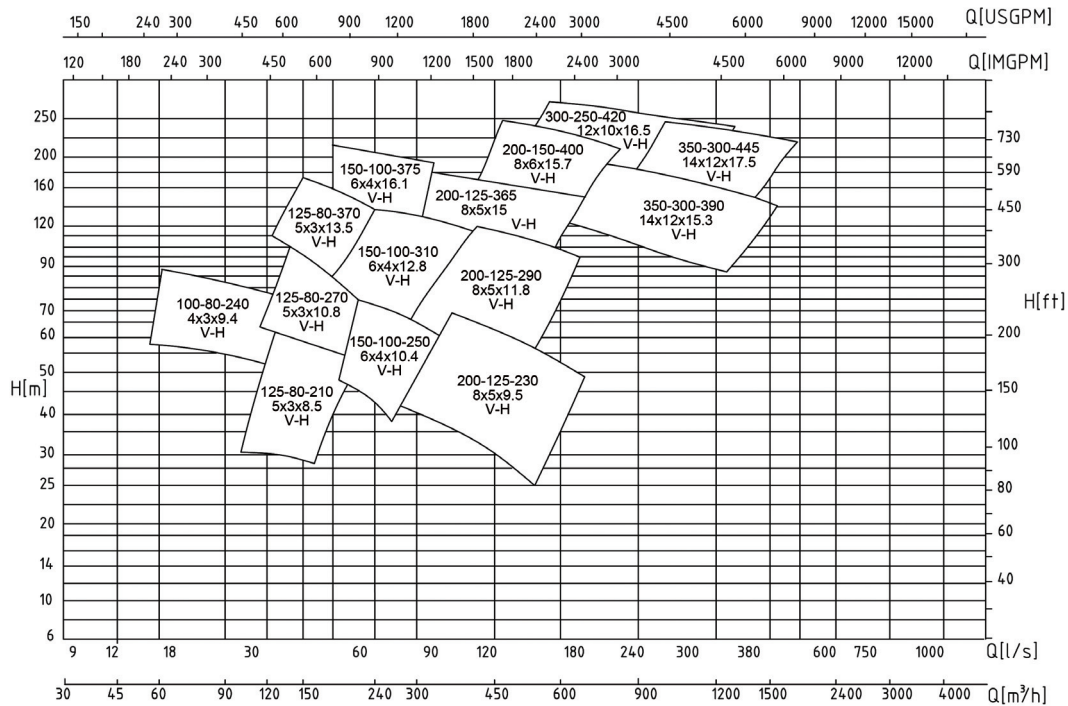
Many sizes can be supplied as vertical pumps, these are three standard versions as follow:



● Hydraulic Coverage

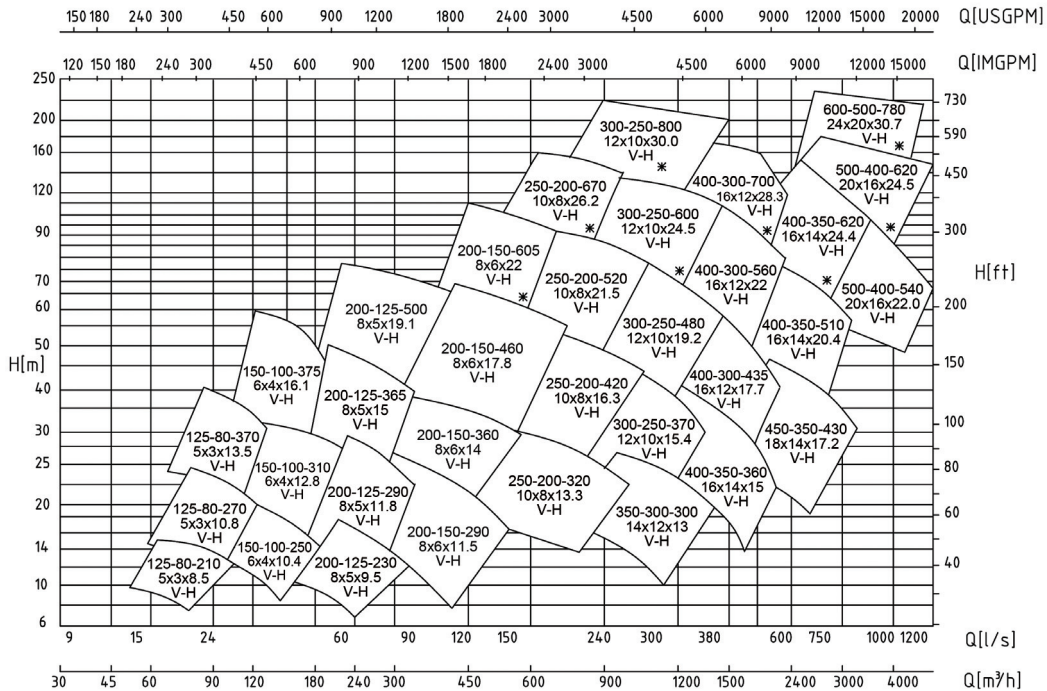
n=2900 rpm

50Hz



n=1450 rpm

50Hz



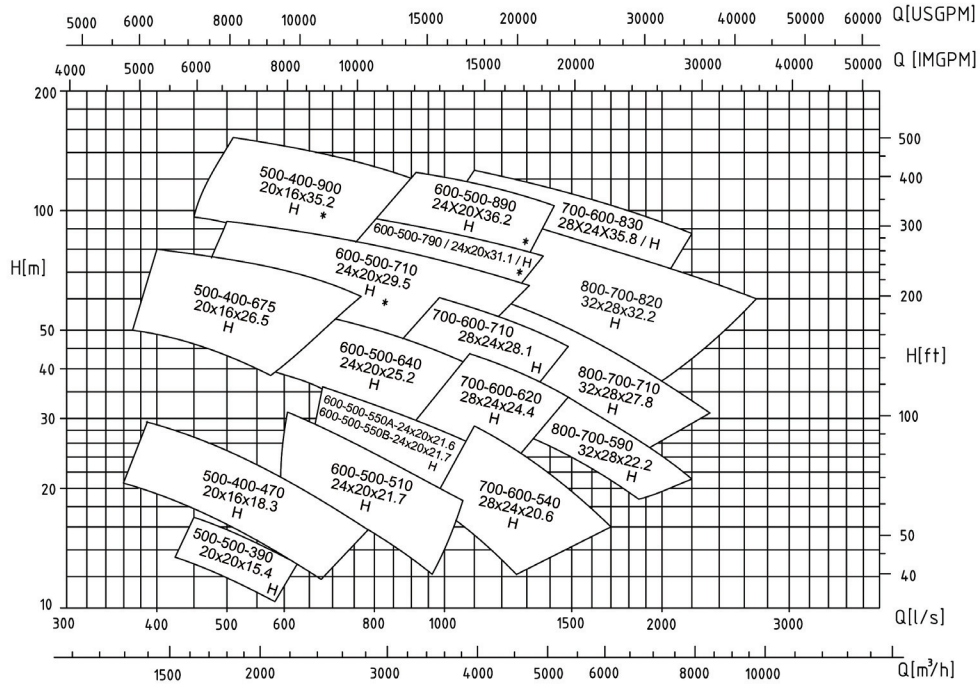
* Double volute for this models

Technical Data

● Hydraulic Coverage

n=980rpm

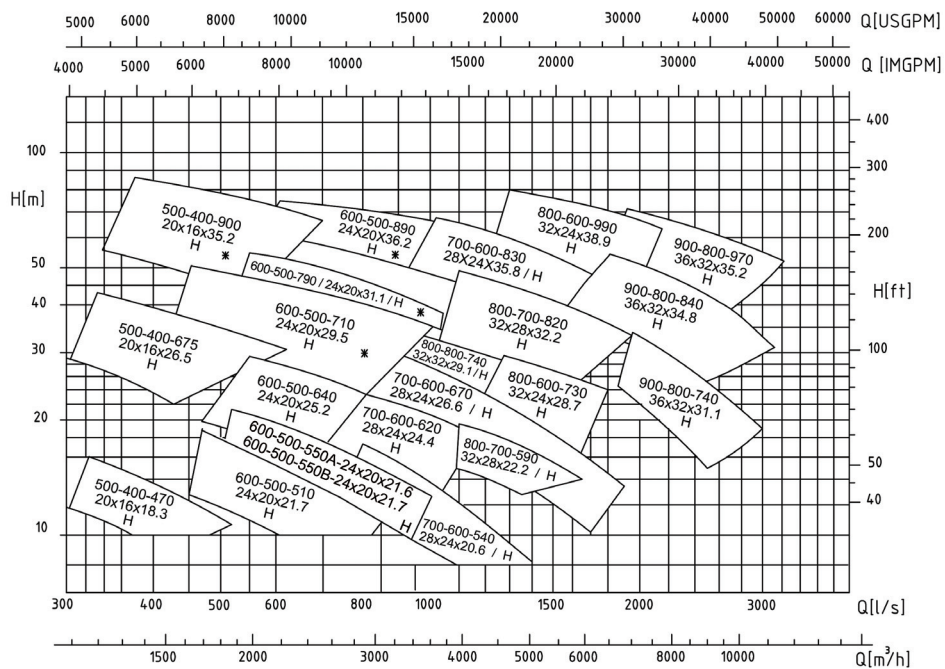
50Hz



* available for this model

n=740rpm

50Hz

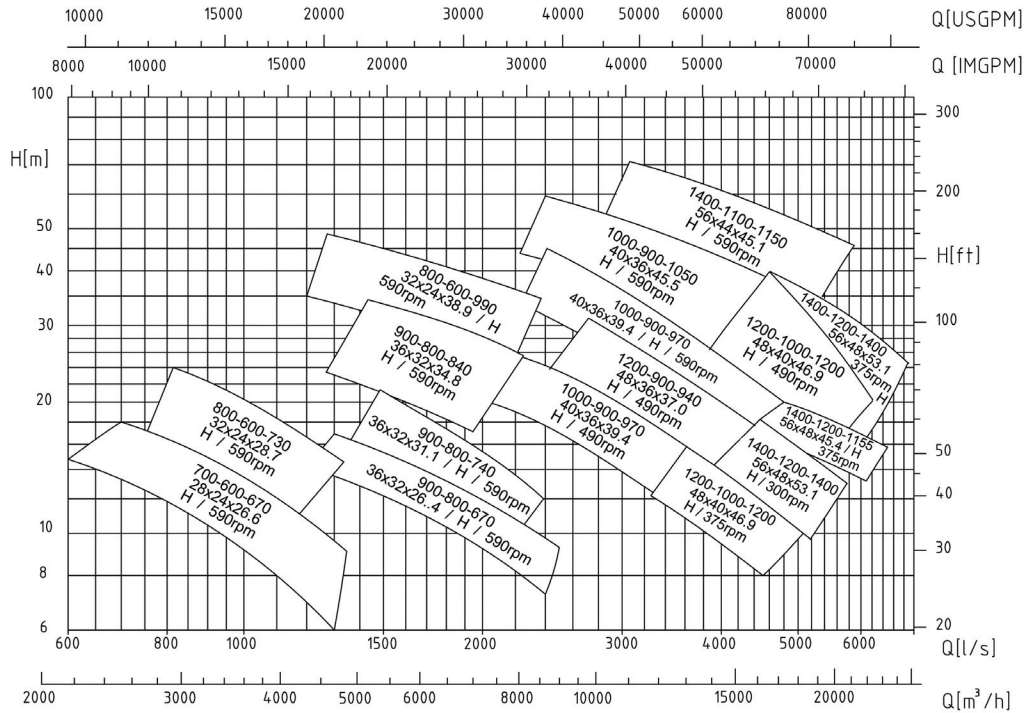


* Double volute for this models

● Hydraulic Coverage

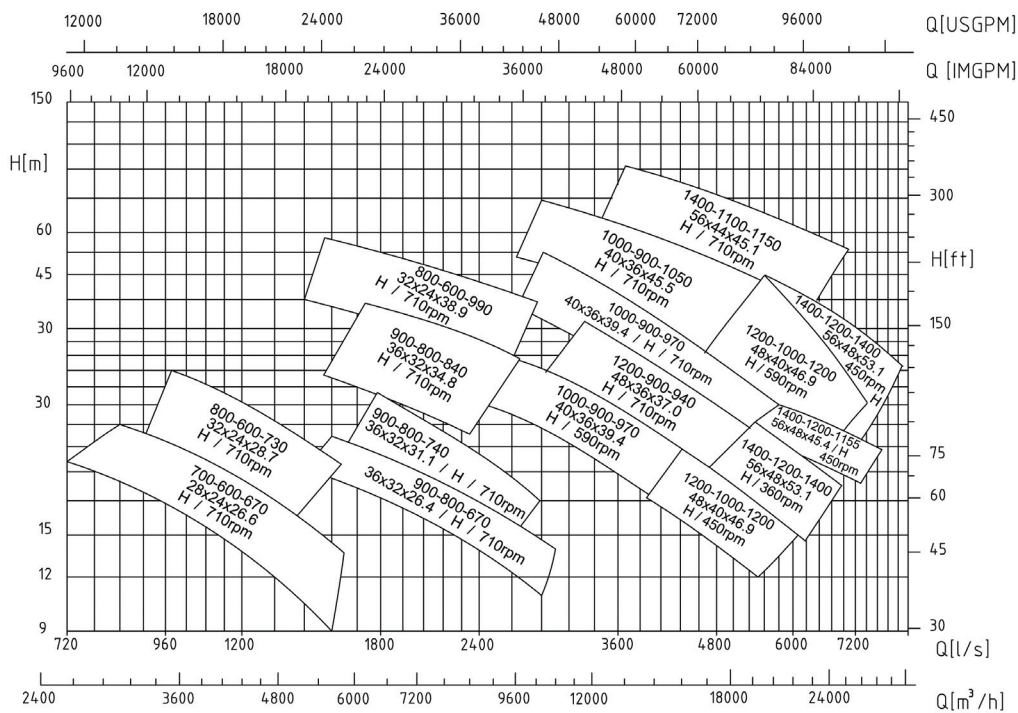
n=590\490\375\300rpm

50Hz



n=710\590\450\360rpm

60Hz

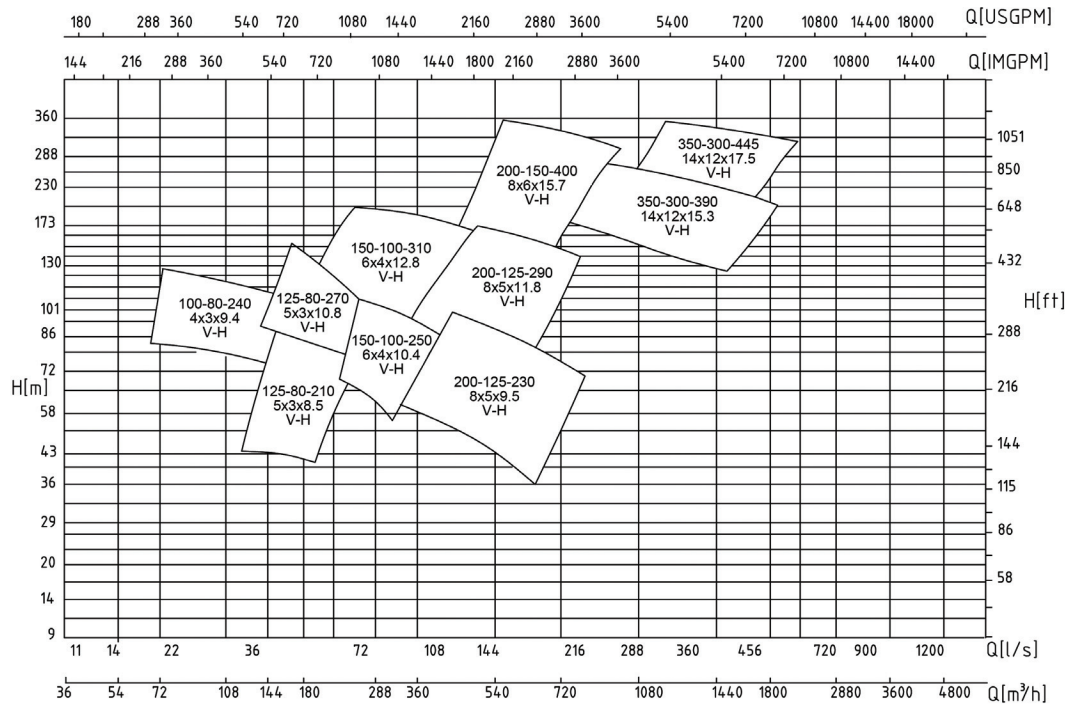


Technical Data

● Hydraulic Coverage

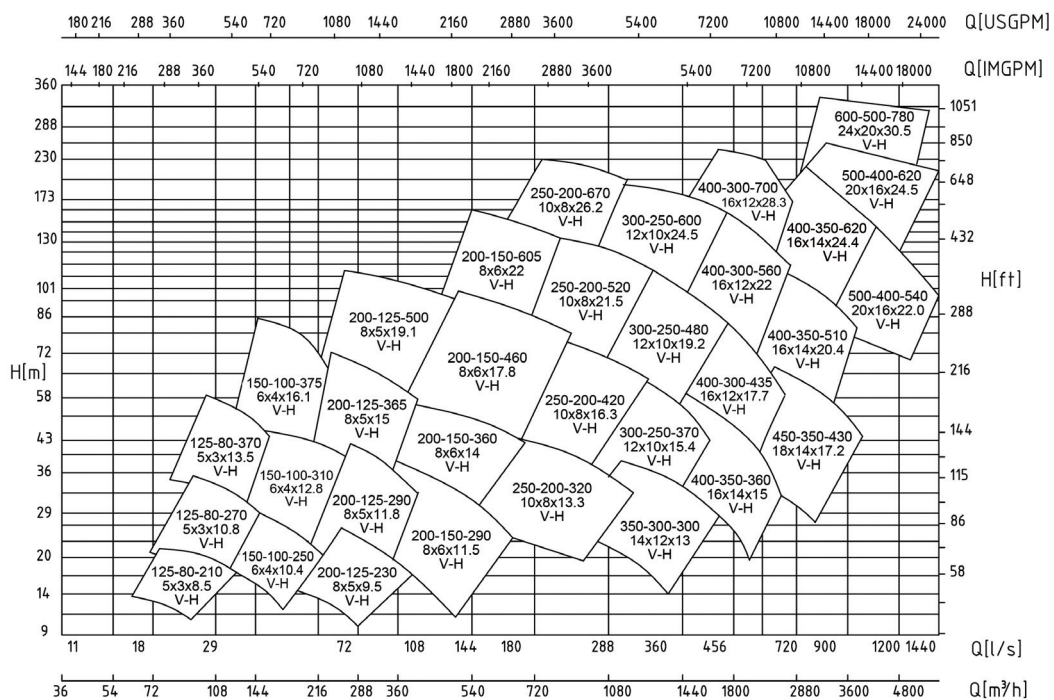
n=3500 rpm

60Hz



n=1750 rpm

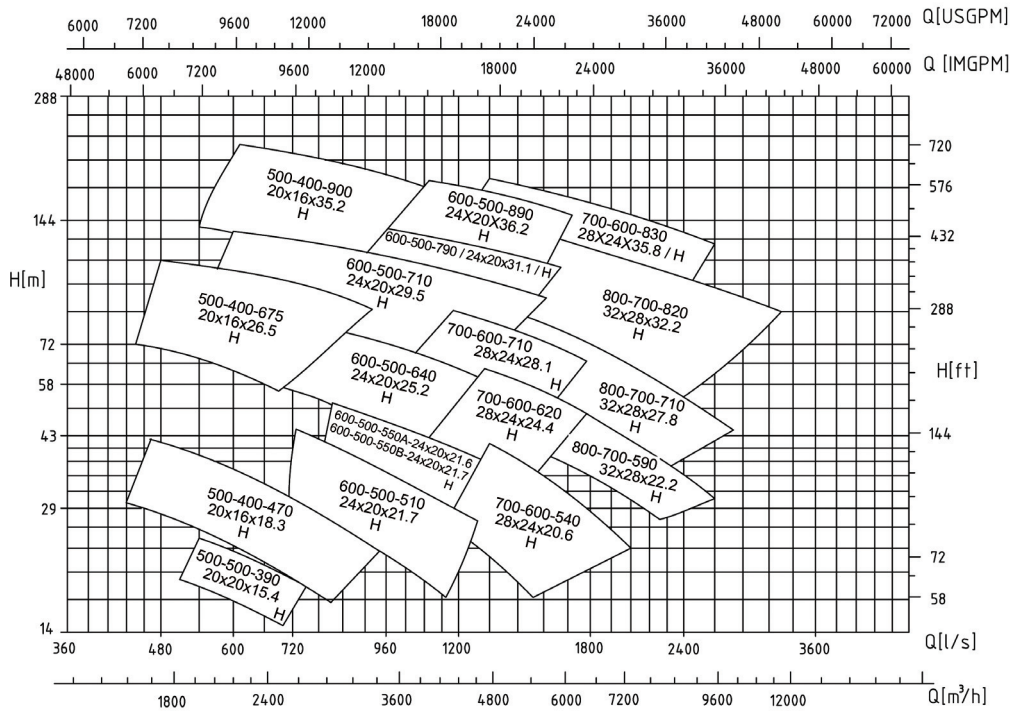
60Hz



● Hydraulic Coverage

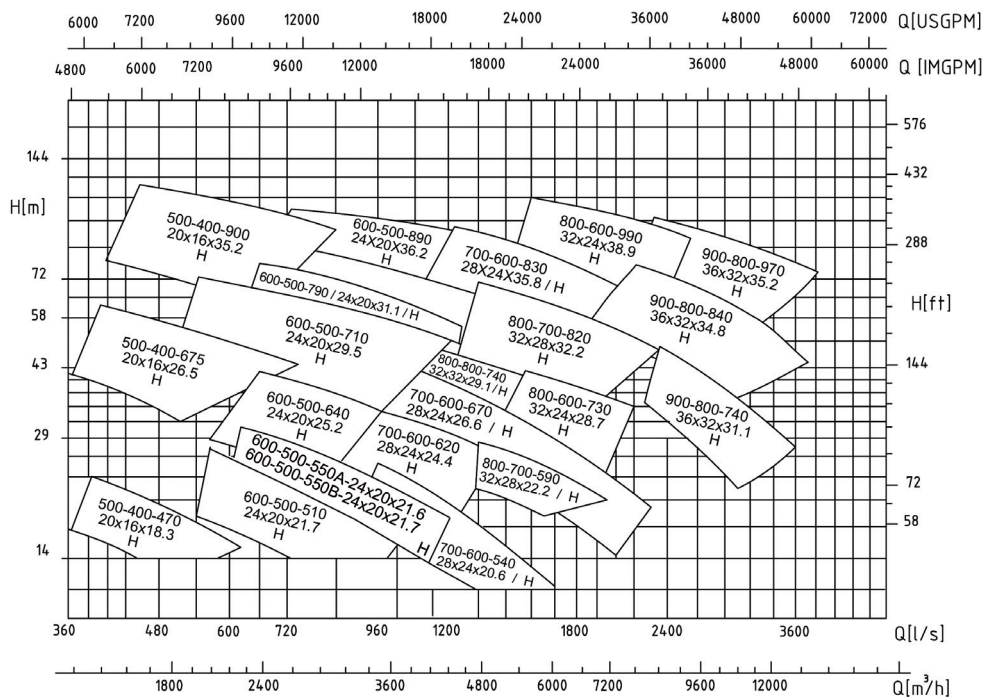
n=1180rpm

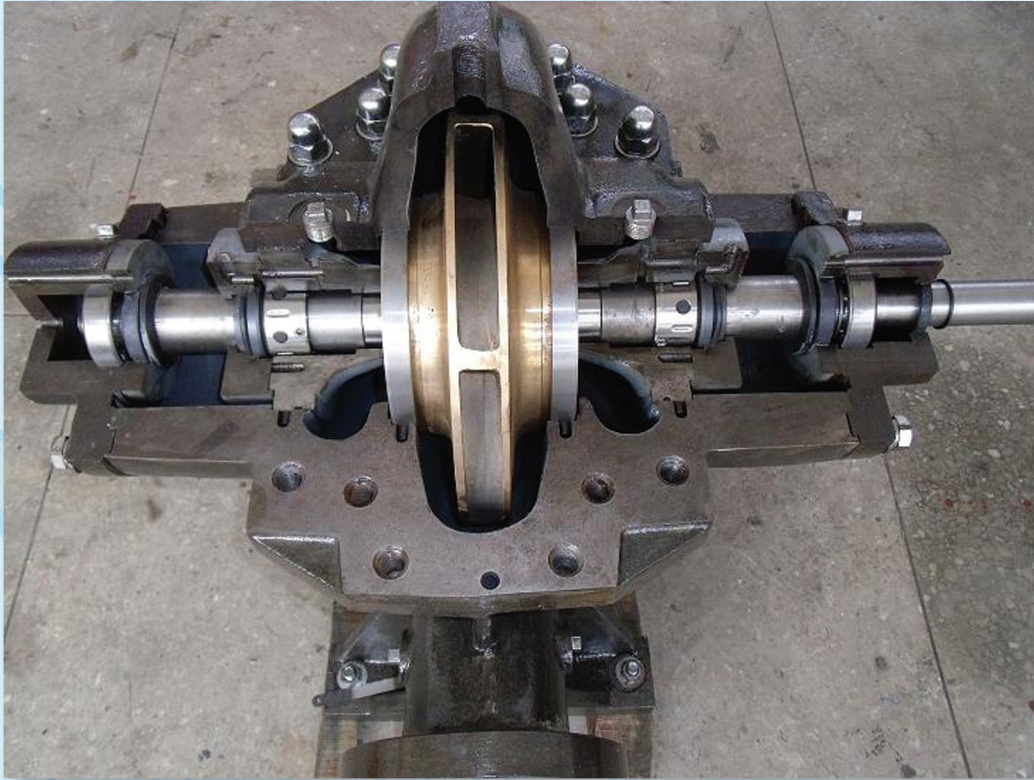
60Hz



n=890rpm

60Hz









Proud pumps supplier for the New World Trade Center towers in New York

We are also a proud pumps supplier for the following completed and ongoing projects:



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Tampa, Florida
www.tampa.va.gov
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Morton Plant North Bay Hospital

New Port Richey, Florida
www.mortonplant.com
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Palm Beach Gardens Medical Center - ER Expansion

Plam Beach Gardens, Florida
www.pbgmc.com
 Eng: IC Thomasson Association Incorporated

Museum of Science and Industry

Tampa, Florida
www.mosi.org
 Eng: Advanced Systems Engineering



St-Joseph's Women's Hospital

Tampa, Florida
www.sjbhealth.org
 Eng: Smith, Seckman, Reid Engineering

FLO FAB Inc.

USA

Lake Worth
 Florida
 USA
 33467-5749

CANADA

860 Industriel Blvd
 Bois-des-Filion, Quebec
 J6Z 4V7
 Canada
 Tel.: (450) 621-2995
 Fax: (450) 621-4995