



ABOUT US

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO), LIFECO has been a global leader in supplying products covering the full range for fire detection, prevention, extinguishing and suppression. LIFECO, with its world headquarters is located in United Kingdom and is well poised to serve a variety of International markets in addition to fulfilling the local market demand.

LIFECO serves Civil Defence, Industrial, Commercial and Consumer markets with its wide range of quality and innovative products. LIFECO is represented globally with its well knit National and International infrastructure dealer network. The Company's strengths are underpinned by a highly skilled workforce, and a diverse range of quality products and services that aims to provide a 'one stop shop' to satisfy all of our Customers Fire and Life Safety requirements.

LIFECO has remained at the forefront of the Fire Fighting Equipment market by constantly striving to provide innovative solutions and services that surpass Customers' expectations and by tirelessly seeking to improve quality standards. To this end, the Company maintains a quality management system accredited by BSI to ISO9001 :2015. In addition its products, where applicable, hold accreditations issued by major inspection organization such as Loss Prevention Certification Board (LPCB), BSI (British Standards), Kitemark, FM and Underwriters Laboratories (UL).



Ranges from 32mm to 250mm discharge

Compliant to NFPA 20 Design & Installation Requirements.

STUFFING BOX

Standard stuffing box includes gland packing with a lantern ring incorporating high pressure internal flushing. External flush can be fitted and pump can be supplied with a mechanical seal. Conversion from packed box to mechanical seal and back to packing is easy. All pumps that can operate at 2 pole speed have a close tolerance stuffing box bush fitted.

BEARING HOUSE

Rugged cast iron construction with only three bearing housings covering complete range of pumps which gives many common interchangeable parts.

BEARINGS

Bearings in 33 sizes are grease lubricated-sealed for life. 4 sizes have oil lubricated bearings and for this arrangement the housing includes an oil level sight glass and vent.

IMPELLER

Double shrouded type is hydraulically and positively driven by shaft key and axially locked between sleeve and impeller nut.

SHAFT

A domed type locking nut seats the stainless steel shaft at the impeller. Only 4 shafts are required to cover whole 37 sizes and reduces inventory to a minimum.

WEAR RINGS

Replaceable wear rings are fitted as standard to all casings and also to back covers on larger pumps with reduces maintenance time and cost

SUPPORT FOOT

Each pump has a removable support foot fitted at drive end for greater rigidity.

SHAFT SLEEVE

Fully machined hook type shaft sleeve prevents shaft damage under the gland packing which substantially reduces maintenance costs.

CASING

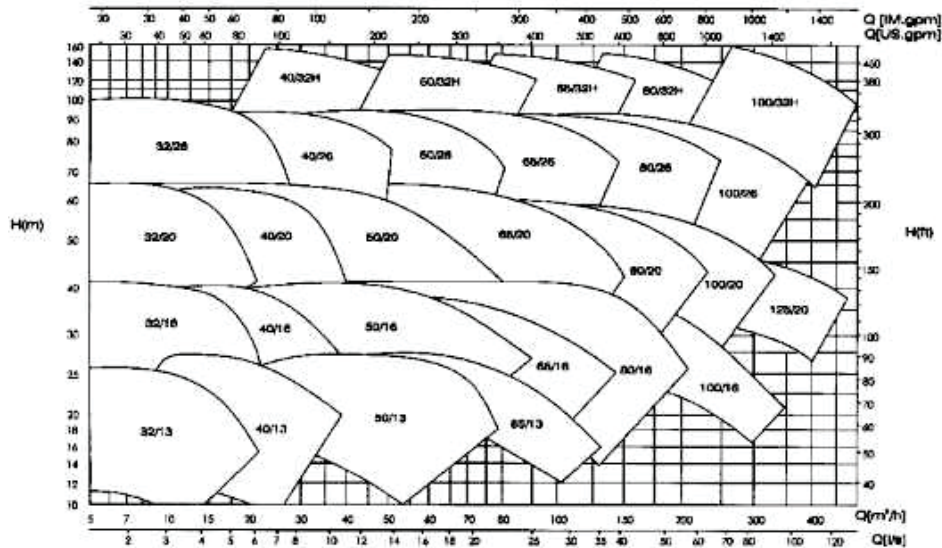
The cast iron volute casing is of robust design with integrally cast feet, vertical top centerline discharge with axial suction incorporating cast inlet vane to give best flow to impeller eye

MECHANICAL SEAL

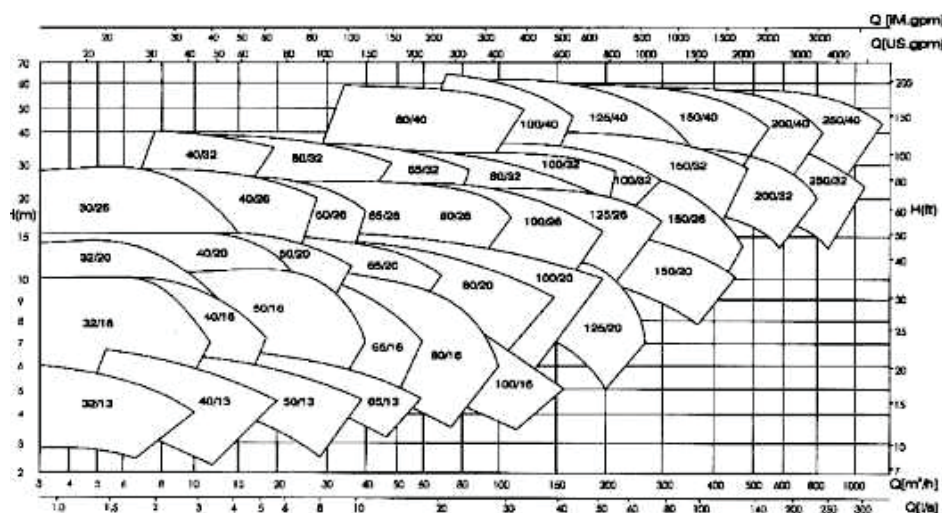


LIFECO Pumps range comply to both performance and dimensional standards for the international standard DIN 24255.

SELECTION CHARTS OF PA SINGLE STAGE CENTRIFUGAL PUMP $n = 2900 \text{ rpm}$

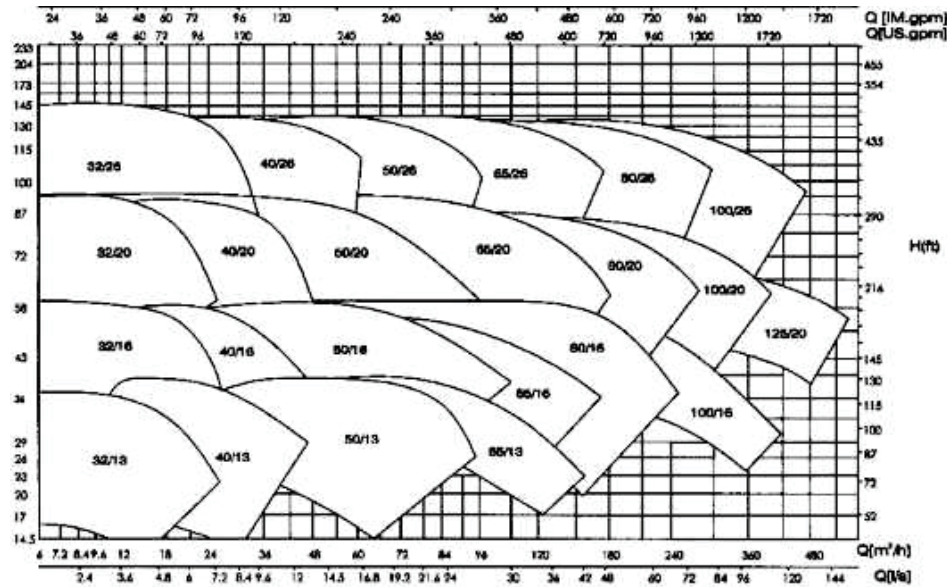


SELECTION CHARTS OF PA SINGLE STAGE CENTRIFUGAL PUMP $n = 1450 \text{ rpm}$



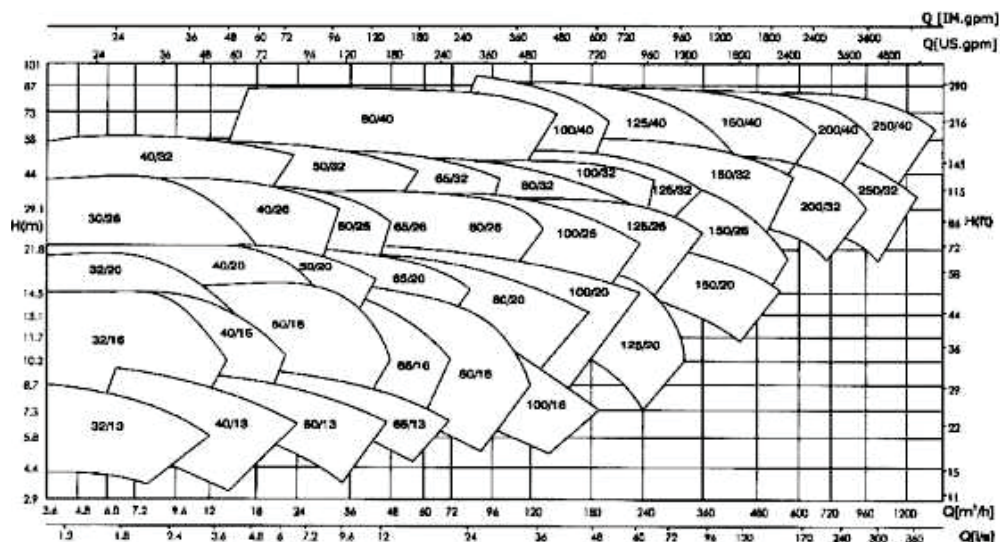
SELECTION CHARTS OF PA SINGLE STAGE CENTRIFUGAL PUMP

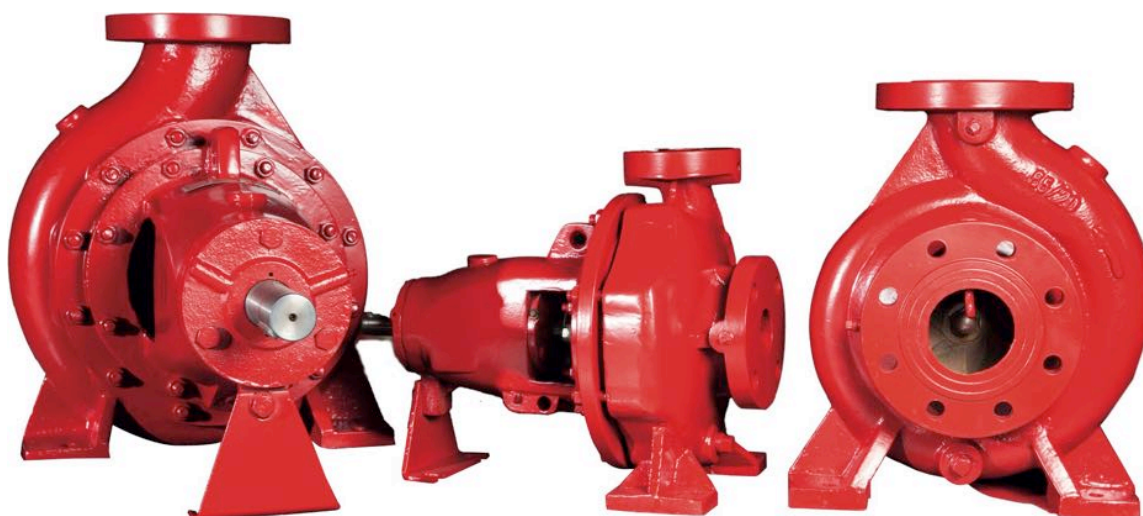
n = 3500 rpm



SELECTION CHARTS OF PA SINGLE STAGE CENTRIFUGAL PUMP

n = 1750 rpm





APPLICATIONS

- Air Conditioning
- Heating and Ventilating
- Refrigeration
- Fire Protection
- Plumbing
- Food & Drink Manufacture
- Circulating
- Water Pressure Boosting
- Transfer
- Water Treatment & Supply
- Irrigation
- Drainage
- Factory Pumping
- Process Industry
- Petroleum Products
- General Industry



Material	Nearest Equivalent Standard			
	Australian	British	American	DIN
Cast Iron	AS 1830/T200	BS 1452:GR220	ASTM A48 Class 30	DIN 1691 GG 20
Bronze	AS 1565/836B	BS 1400 : LG 2	ASTM B145 CDA836	DIN 1705
Stainless Steel	AS 1444 GR 420	BS 970 : 420/S37	AISI 420	DIN 17440

	Bronze	Cast Iron	All Iron
Casing	Cast Iron	Cast Iron	Cast Iron
Impeller	Bronze	Cast Iron	Cast Iron
Wear Ring	Cast Iron	Cast Iron	Cast Iron
Shaft	Stainless Steel	Stainless Steel	Stainless Steel
Shaft Nut	Stainless Steel	Stainless Steel	Cast Iron
Shaft Sleeve	Stainless Steel	Stainless Steel	Stainless Steel
Lantern Ring	Cast Iron	Cast Iron	Cast Iron
Gland	Cast Iron	Cast Iron	Cast Iron

Back Pull-Out Features

This design feature allows the complete rotating element to be removed for servicing without disconnecting pipework. If a spacer coupling is fitted then motor does not have to be moved. On re-assembly of pump coupling re-alignment problems are completely eliminated.