



Hy ~ Line

PUMP MODEL	LH42	LH44	LH52	LH54	LH62	LH64
Port Size (inch)	1 or 1 1/2	1 1/2 or 2	1 1/2 or 2	2 or 3	2, 2 1/2 or 3	3 or 4
Displacement gall/100 rev	3.2	5.4	7	12	16.8	25
Maximum Flow US GPM	32	54	67	115	121	180
Maximum Pressure psi	215	115	215	115	215	115
Maximum Speed (RPM)	1000	1000	960	960	720	720
Dimensions LxBxH inches	11x9x8	11x9x8	15x10x10	15x10x10	17x11x12	18x12x12
Weight (bareshaft) lbs	40	44	71	77	134	143
Temperature °F	-22 to 284					
Viscosity cP	1 to 1 million					

OPTIONS

● **SEALS**

Front loaded single mechanical face type seals of hygienic design. Materials include carbon, stainless steel, and silicon carbide.

Low pressure flushed seals utilize the same single mechanical seal with an additional housing. A low pressure flush liquid washes away crystallizing products or liquids which 'skin over'.

Double mechanical seals utilizing all the components from single seals. Used for hazardous, toxic, highly abrasive, or sterile products.

Front loaded single O-ring seals – a low cost seal option used primarily for self lubricating products and products which contain little or no abrasives.

Front loaded double O-ring seals – suitable for pressurized grease or flushing with a suitable liquid to enable low cost sealing of high sugar confectionery and bakery products.

Multiple PTFE lip seal – complete with controlled release food grade grease injection system, the ideal sealing system for chocolate and other products sensitive to water flush.

● **CONNECTIONS**

All US and European standards including DIN, SMS, RJT, IDF, Tri-Clamp, NPT & BSP. Most pumps available with 2 different sizes, all fully interchangeable.

● **ELASTOMERS**

Nitrile, Viton, EPDM, and PTFE product contact joints available in compounds conforming to 3A Sanitary Standard 18-03 and FDA title 21 section 177.2600.

● **OTHER OPTIONS**

- Pump head temperature control jackets
- Integral pressure relief valve
- Enlarged ports
- Electro-polish
- All stainless steel bearing pedestal and cover
- Low carbon 316L pump head
- Rectangular inlet
- Hydraulic drive

DESIGN FEATURES

● **MOST STRINGENT HYGIENIC STANDARDS**

Flush rotor fixing screws are sealed to prevent product ingress. Contoured rotor case internals for full drainability during SIP and shaft seals set up front where the pumping action is. Fully conforming to 3A Hygienic Standards and utilizing materials which meet FDA requirements.

● **LOW MAINTENANCE COSTS**

Single shaft seals are fully accessible from the front of the pump without disturbing the process pipework. Simple bearing assemblies easily preset using automotive technology. Bi-wing rotors require no timing adjustments. Even the pump casing is removable in place, a feature not normally associated with other bi-wing rotor pumps.

● **HIGH VOLUMETRIC EFFICIENCY**

The bi-wing rotors incorporate the low viscosity efficiency associated with circumferential piston pumps with the viscous product handling capability of tri-, quad-, and bi-lobe rotor pumps... at an affordable price!

● **RUGGED DESIGN**

Hy-line design utilizes extremely large shaft diameters mounted in high specification taper roller bearings, fitted into an extremely rigid central pillar made from a high grade alloy. This is all enclosed in an oil filled housing made from the same alloy. These, together with wide tipped rotor wings, which adds another dimension to security, avoid premature pump failure due to overpressure or other abuse.

FOR ENGINEERING AND PUMP SELECTION ASSISTANCE CALL DEPCO AT 1-800-446-1656