

Albin Pump Headquarters

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ALBIN PUMP ALH

HOSE PUMPS

ALH ALBIN PUMP ALH HOSE PUMPS

ALBIN PUMP ALH

The latest design in hose pumps.

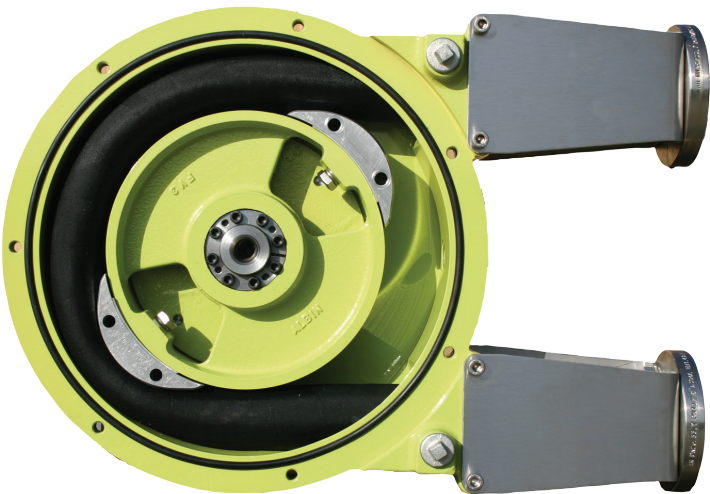
We have combined the best available materials with smart design solutions in order to maximize running time and minimize maintenance.

Two shoes mounted at 180° on a rotating wheel compress a reinforced rubber hose that contains a fluid to be pumped.

The compression of the hose by the rotating shoes creates continuous suction at the inlet of the pump and pushes the fluid to the outlet of the pump.

The pump casing contains a lubricant that reduces friction and ensures the best pump performance with minimum maintenance.

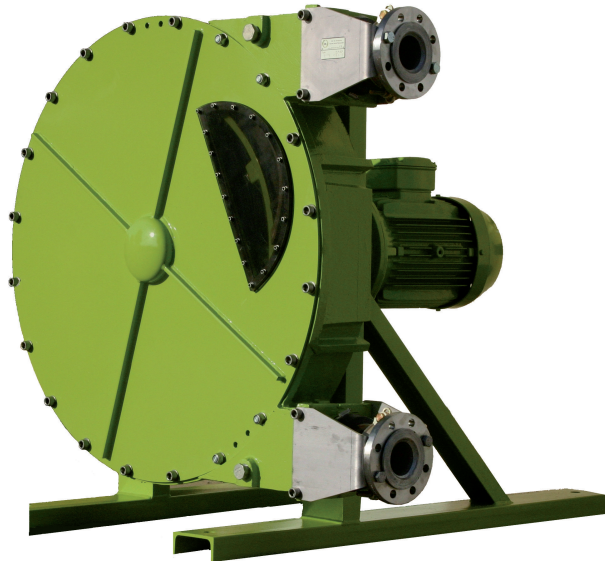
The pumped liquid is in contact with only the interior of the rubber hose, thus permitting the pumping of a wide variety of reactive fluids.



EXPERIENCED INNOVATORS

30 years experience in HOSE PUMPS

The ALH hose pump is in many ways the future of pumping. The ALH series pump is an extremely reliable pump with a wide performance range, up to 660 gpm and 220 psi, which can handle most fluids in most applications.

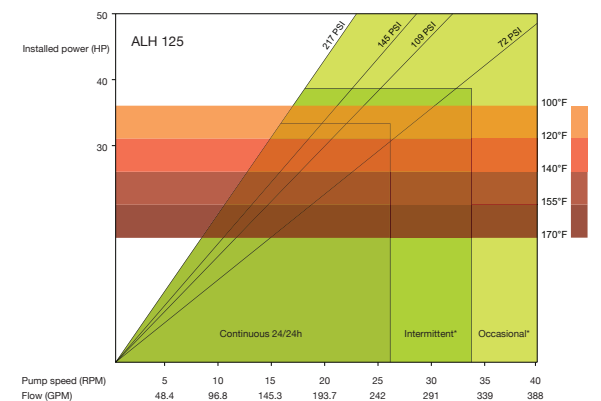
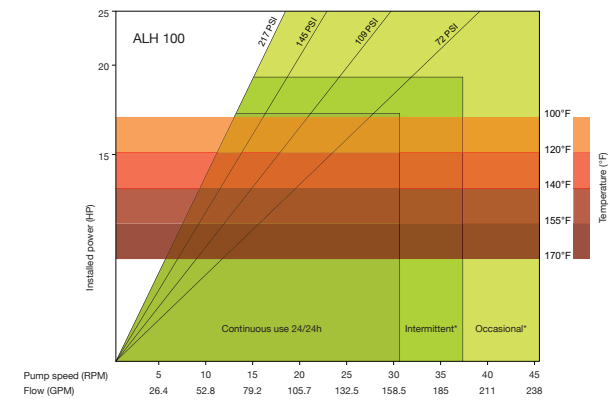
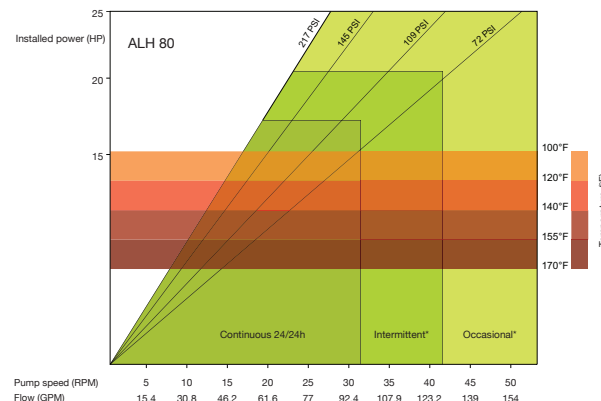
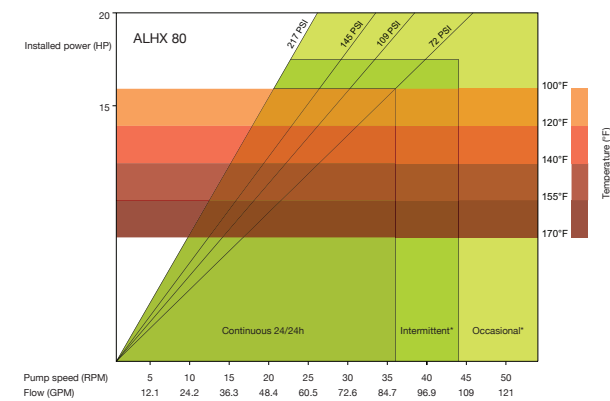
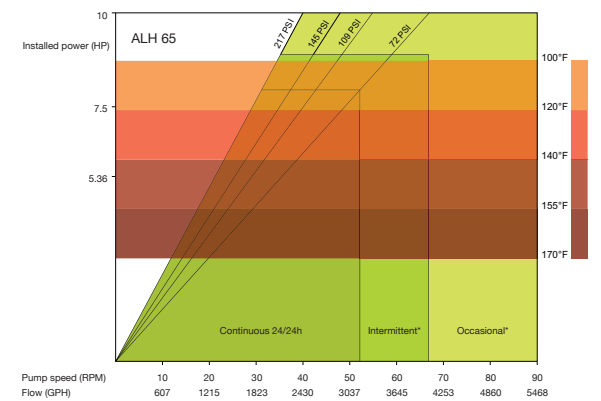
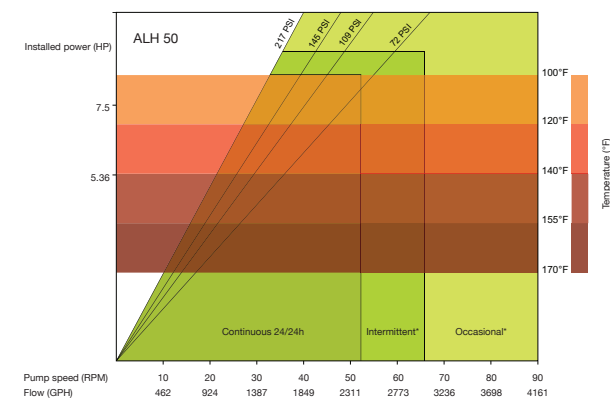
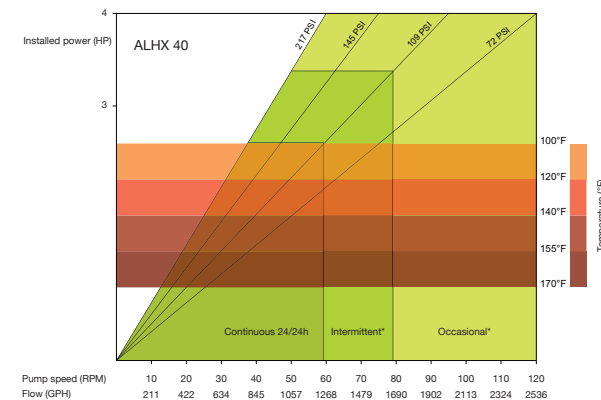


This pump summarizes what we at ALBIN PUMP want to achieve : better pump solutions for our customers. Our design enhances the pump's simplicity and robust principle.

ADVANTAGES

- No mechanical seal or stuffing box
- Robust, ductile iron casing
- Suitable for aggressive or viscous fluids
- Meters highly corrosive chemicals
- Fully self-priming up to 27 ft
- Dry run continuously
- Outlet pressures up to 220 psi
- Very easy maintenance
- Heavy-duty bearings, greased for life
- Two-year warranty
- Plug and Play
- Perfect volumetric flow
- Bi-directional flow
- Close coupled

FLOW CURVES ALBIN ALH



* Intermittent use : Minimum of 1 hour stop after 2 hours use * Occasional use : Maximum 1 hour per day

ALH FLOW CURVES ALBIN ALH

EXPERIENCED INNOVATORS
KEEP IT SIMPLE **ALH**

THE ALH PUMP is very easy to use and maintain. This addresses what we at ALBIN PUMP see as two of the key customer issues : the need to lower costs and the need to reduce downtime.

This is done by using a pump without valves, pistons, stators or rotating elements in the fluid. The ALH series is designed to make hose changes quick and easy with no technical knowledge required.



The ALBIN Pump AHL-P in-line pulsation dampener will reduce vibration and water hammer in your piping therefore increasing the hose life.

ALBIN ALH HOSE CONSTRUCTION

We only work with high quality compounded rubbers, reinforced with 2 to 6 individual layers of braided polyamide and with an outer layer made to strict tolerances to ensure perfect compression. The characteristics of ALBIN hoses enable them to last approximately 30% longer than other hoses on the market. They also fit the majority of other hose pumps.

ALBIN PUMP HOSE

For the hose inner layers, 6 materials are available to suit the diversity of the pumped fluids :

- **NR** > Natural rubber (white marking)
- **NBR** > Buna (yellow marking)
- **NBR Food*** approved FDA >Buna (white & yellow marking)
- **EPDM** (red marking)
- **HYPALON*** (blue marking)
- **VITON/FKM*** (purple marking)

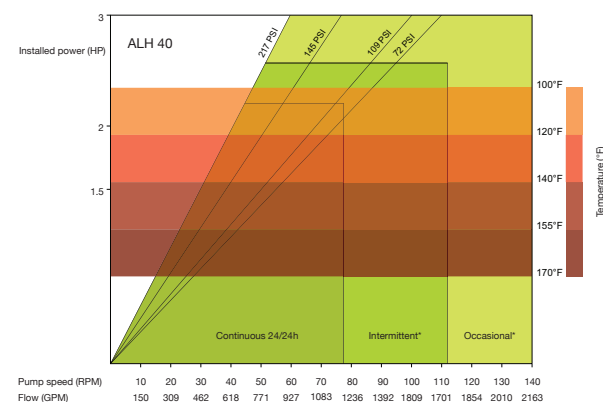
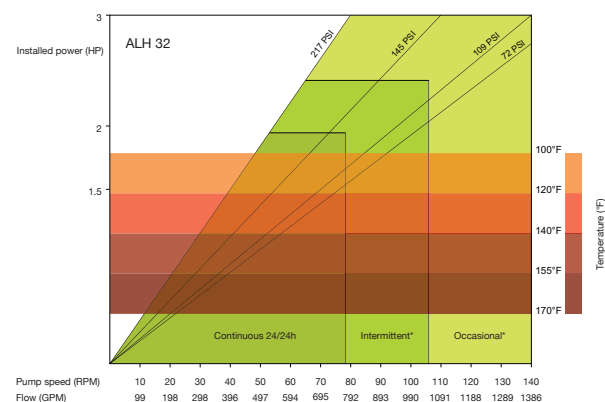
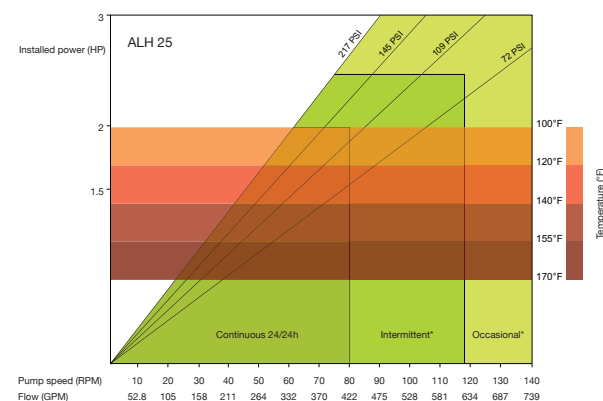
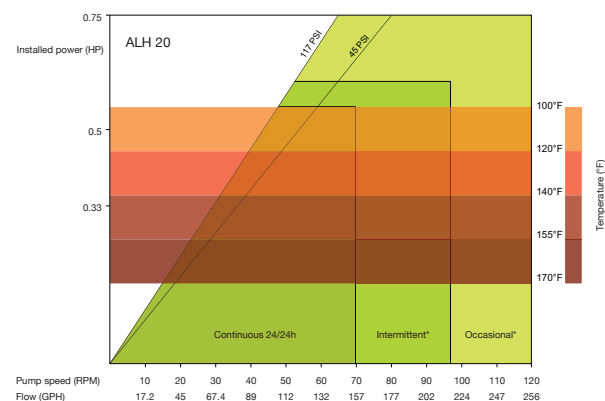
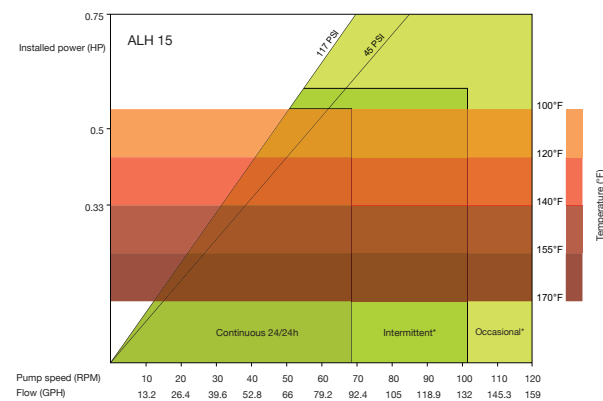
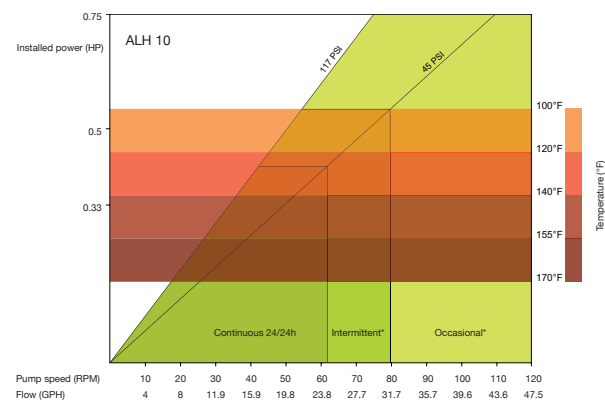
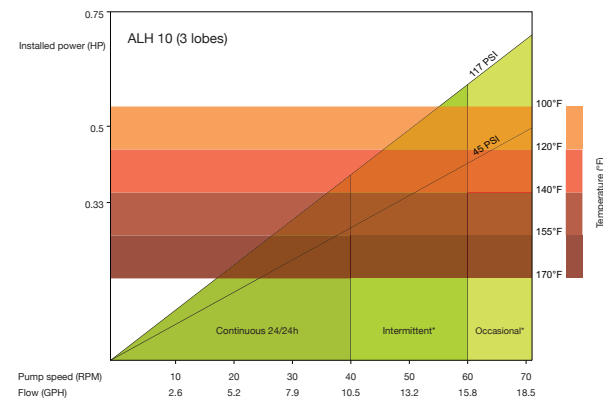
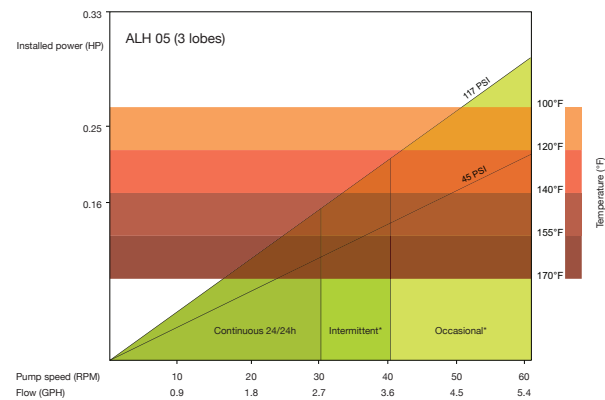
*Any other hoses material requirements available on request



TYPICAL APPLICATIONS

WATER TREATMENT - lime slurry, ferrous chloride, activated carbon, reagent feed, coagulant, flocculate dispersion, alum, sludge and foams.
MINERAL PROCESSING - sludge with viscosity up to 60,000 CPS, clay slurry, particle size: 1.125", lead sulfate, pyrite, SABX, cyanide, various acids.
CERAMIC - barbotine, mold filling, filter press feeding. Building fibrous mortar, plaster, light concrete, cement flooring.

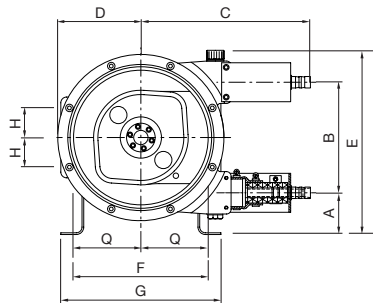
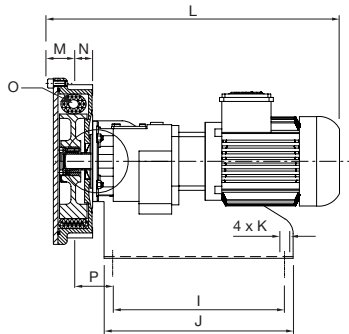
CHEMICAL INDUSTRY - various acids, PVDF latex, alcohol, soap, non aromatic solvents.
FOOD INDUSTRY - tomato sauce, mashed potatoes, gelatin, beer yeast, olive oil, wine. Paint, water based paint, acrylics, pigments, ink, wall coating.
PAPER MILLS - latex, kaolin, paper waste sludge, various chemical dosing.
AGRICULTURE - manure, fertilizer, sugar mills, molasses, liquid sugar and various chemicals.



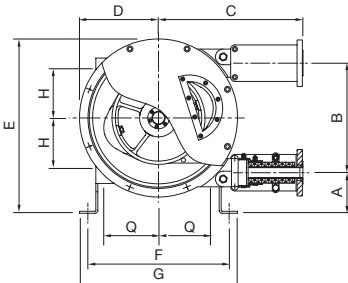
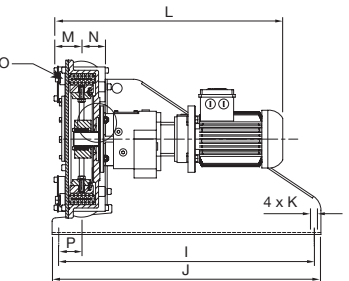
* Intermittent use : Minimum of 1 hour stop after 2 hours use * Occasional use : Maximum 1 hour per day

ALH TECHNICAL SPECIFICATIONS

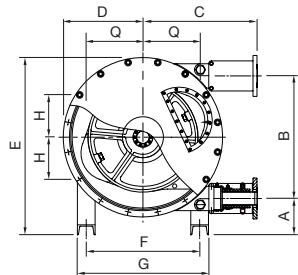
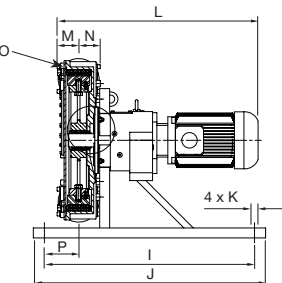
ALH 05 - 20



ALH 25 - 40



ALHX 40 - 125



DIMENSIONS

ALL DIMENSIONS AND TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
ALH 05	4"	4.5	9"	3.75"	10"	8.625"	9.5"	1.375"	10.25"	11"	4XØ9M	X	1.812"	1.375"	5/8"	2.25"	3.2"
ALH 10	4"	4.5	9"	3.75"	10"	8.625"	9.5"	1.375"	10.25"	11"	4XØ9M	X	1.812"	1.375"	5/8"	2.25"	3.2"
ALH 15	2.875"	7.6"	11.65"	5.7"	12.687"	9.875"	11"	2"	11.8"	13"	4XØ13M	X	1.92"	1.4"	7/8"	2.7"	4.9"
ALH 20	2.875"	7.6"	11.65"	5.7"	12.687"	9.875"	11"	2"	11.8"	13"	4XØ13M	X	1.92"	1.4"	1"	2.7"	4.9"
ALH 25	3.75"	10.3"	14"	7.5"	16.387"	12.25"	13.82"	4.33"	22"	23.625"	4XØ13M	X	2.56"	2.75"	1" FLG	2.4"	4.33"
ALH 32	4.82"	13"	17.14"	9.375"	20.687"	16.75"	18.25"	6.2"	30.31"	31.89"	4XØ13M	X	3.25"	3.5"	1.25" FLG	4.3"	6.2"
ALH 40	4.82"	13"	17.14"	9.375"	20.687"	16.75"	18.25"	6.2"	30.31"	31.89"	4XØ13M	X	3.25"	3.5"	1.5" FLG	4.3"	6.2"
ALHX 40	4.33"	17"	15.75"	11.5"	24.25"	13.38"	16.5"	6.7"	33.5"	37.4"	4XØ19M	X	3"	3.38"	1.5" FLG	3.42"	6.7"
ALH 50	6.5"	21.8"	20.38"	14.17"	31.5"	20.2"	23.35"	7.35"	37.4"	41.33"	4XØ19M	X	3.75"	4"	2" FLG	6"	10"
ALH 65	6.5"	21.8"	20.38"	14.17"	31.5"	20.2"	23.35"	7.35"	37.4"	41.33"	4XØ19M	X	3.75"	4"	2.5" FLG	6"	10"
ALHX 80	6"	29.37"	23.75"	18.625"	39.5"	22.83"	26.75"	11.4"	45.25"	49.25"	4XØ19M	X	5"	4.85"	3" FLG	4.6"	11.4"
ALH 80	10.3"	34.5"	31.6"	21.875"	52"	27.16"	32.67"	13.5"	51.18"	55.125"	4XØ27M	X	5.5"	5.6"	3" FLG	8.25"	13.6"
ALH 100	11.8"	41"	35"	27"	66.1"	32.25"	37.8"	16.1"	74.8"	78.75"	4XØ27M	X	5.87"	6.87"	4" FLG	11.6"	16.1"
ALH 125	13.37"	50.1"	40.87"	30.9"	68.9"	39.37"	44.9"	19.7"	74.8"	78.75"	4XØ27M	X	11.8"	9.1"	5" FLG	26"	19.7"

TECHNICAL SPECIFICATIONS ALH

FLOW TABLE (GPH)

TYPE	10 RPM	20 RPM	40 RPM	60 RPM	80 RPM	100 RPM	120 RPM	140 RPM
ALH 05 (3 lobes)	0.9	1.8	3.6	5.4				
ALH10 (3 lobes)	2.6	5.2	10.5	15.8				
ALH 10	4	8	15.9	23.8	31.7	39.6	47.5	
ALH 15	13.2	26.4	52.8	79.2	105	132	159	
ALH 20	17.2	45	89	132	177	224	256	
ALH 25	52.8	105	211	332	422	528	634	739
ALH 32	99	198	396	594	792	990	1188	1386
ALH 40	150	309	618	927	1236	1809	1854	2163
ALHX 40	211	422	845	1268	1690	2113		
ALH 50	462	924	1849	2773	3698	NA		
ALH 65	607	1215	2430	3645	4860	NA		

Continuous use (GPH)

Intermittent use(GPH)

Occasional use (GPH)
< 1 hour/day

FLOW TABLE (GPM)

TYPE	10 RPM	20 RPM	30 RPM	35 RPM	40 RPM	45 RPM	50 RPM
ALHX 80	24.2	48.4	72.6	84.7	96.9	109	121
ALH 80	30.8	61.6	92.4	107.9	123.2	139	154
ALH 100	52.8	105.7	158.5	185	211	238	
ALH 125	96.8	193.7	291	339	388		

ALBIN ALHS SERIES

For customers who require a long coupled pump, ALBIN PUMP has also developed the ALHS series. These pumps are equipped with a removable bearing case for easy bearing maintenance and can be converted into a close coupled ALH type pump at any time.



HOW TO USE THE PUMP CURVES

- 1 - Select the required flow. This gives you the required pump speed.
- 2 - Move upwards to the calculated discharge pressure.
- 3 - Move to the left for the installed motor power.
- 4 - Determine the fluid's max. temperature.
- 5 - Move to the left to the calculated discharge pressure.
- 6 - Move downwards to determine your maximum allowed pump speed for the fluids temperature.

