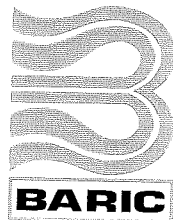
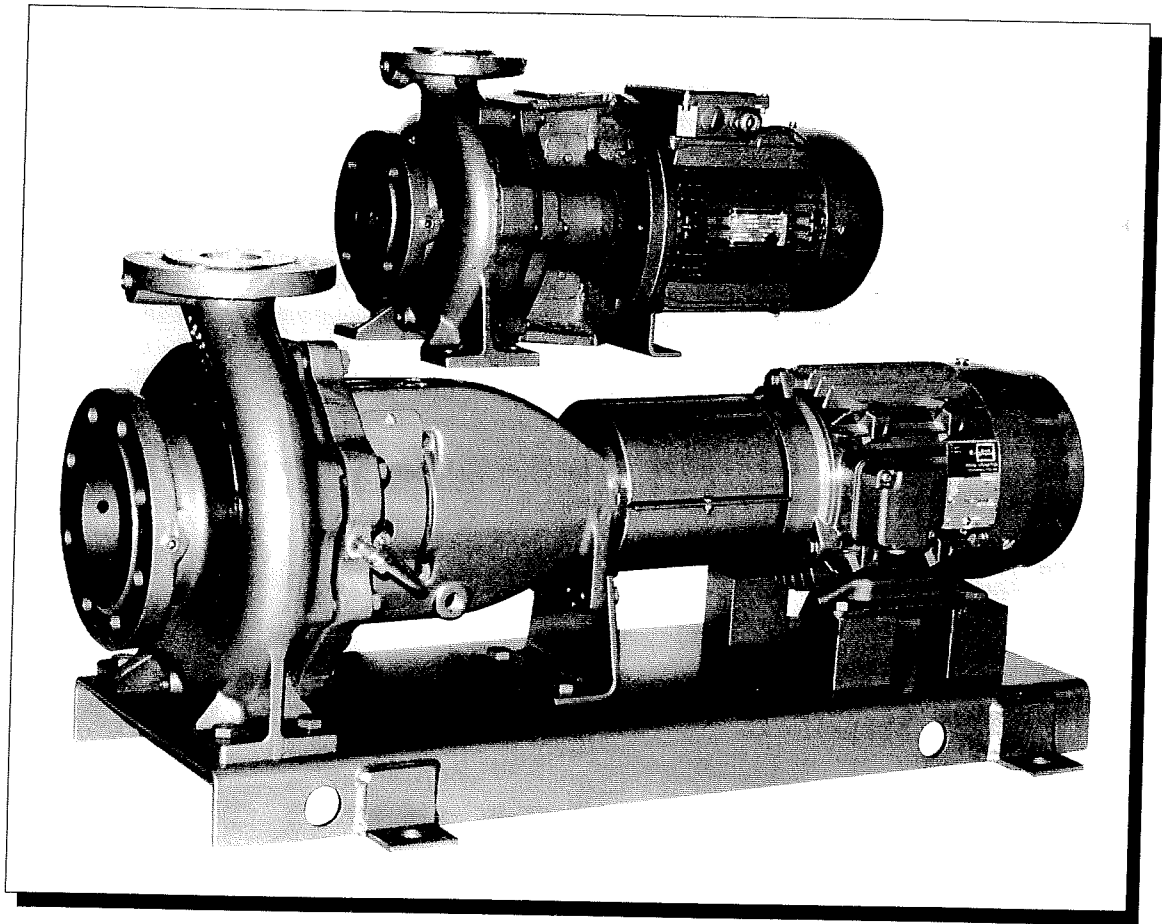


LB & MB

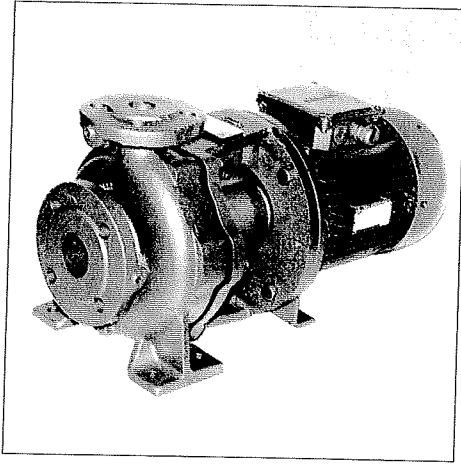
*direct & long coupled
end suction pumps*



Finest in fluid handling



Certificate No. 936649



TYPE LB/MB END SUCTION PUMPS

Baric Pumps Limited direct and long coupled end suction pumps use the latest pumping technology to meet the demands imposed by today's market.

Applications

Designed for continuous service handling hot or cold liquids and general purpose pumping of clean non-abrasive applications. The pumps can also be used in pressurisation and boosting installations.

Features

Design references are in accordance with BS 5275 for horizontal end suction centrifugal pumps.

The back pullout design makes it possible to remove the pedestal/seal/impeller module from the pump body casing without having to break any pipework connections.

Back vanes are incorporated in all our shrouded type impellers. This serves to ensure hydraulic balance and prolongs pump bearing life. The impellers are cast in one piece thus removing any stress and corrosion points.

In order to reduce impeller loads on the shaft and thus increase bearing life, many of the pump casings feature a twin volute arrangement.

The fact that the casing and seal cavity dimensions are based around ISO 2858 and BS 5257 make the pumps interchangeable in pipe fixing dimensions and performance with any pump built to the same specifications.

Trouble free operation and minimal maintenance is achieved by the robust construction of these pumps. Should sound attenuation be advised, anti-vibration mountings or inertia bases can be supplied as an optional extra.

The **LB** pump is a base mounted single stage, end-suction pump. It complies with the relevant sections of ISO 2858, DIN 24255 and BS 5257. Pump and driver are factory assembled on a heavy duty combination bedplate, drive being transmitted through a flexible coupling protected by a steel guard.

The **MB** pump is a close coupled motor driven single stage end suction pump. To maintain good deliveries and ensure easy replacement in the future we use off the shelf standard motors.

Construction

LB and MB PUMPS

Pump Body : Cast Iron.
North discharge, flanges
BS 4504-16 bar rating.

Pedestal/Seal Box : Cast Iron.

Impeller : Gunmetal or
Cast Iron.

Shaft : Stainless Steel.

Bearings : Grease Lubricated
Ball Bearings.

Seal : Mechanical Seal
DIN 24960 or
Packed Gland.

Motor : T.E.F.V. Foot
Mounted
Drip proof or energy efficient on request.

LB PUMPS

Base : Fabricated Steel.

Coupling : Non spacer type.
Spacer type fitted as
optional extra

Seal : Mechanical Seal
Din 24960.
Double Mechanical
Seal or Water
Cooled Packed
Gland.

Materials of Construction

Cast Iron : BS 1452 Gr 260.
Gr 220 (MB pedestal).

Gunmetal : BS 1400 LG 2C.

Stainless Steel : BS 970 Gr 431 S29.

Operating Capabilities

Pressure : 10 bar MB pumps.
16 bar LB pumps.

Discharge Head : Up to 100m at
1450 r.p.m.
Up to 160m at
2900 r.p.m.

Capacity : Up to 600 litres/sec.

Temperature : 125°C maximum
normal temperature.
Up to 175°C with
gland cooling.

32-130 MB pump: 120°C. and 6 bar limit.

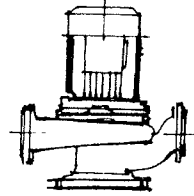
Note: temperature and pressure limitations are the maximum in each case, not a combination of both.

Selection Charts

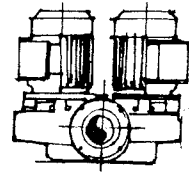
The selection charts show pump performance at 2-pole and 4-pole 50Hz speeds. Pumps can also be supplied to suit 60Hz electrical supply.

Some other Baric Products

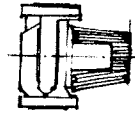
Linepak inline centrifugal pumps



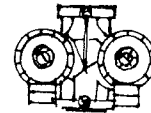
Twin Linepak in-line centrifugal pumps



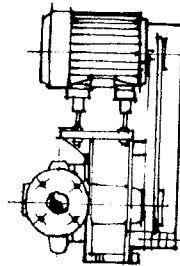
Thermopak glandless circulators



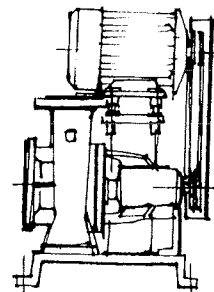
Twin Thermopak glandless circulators



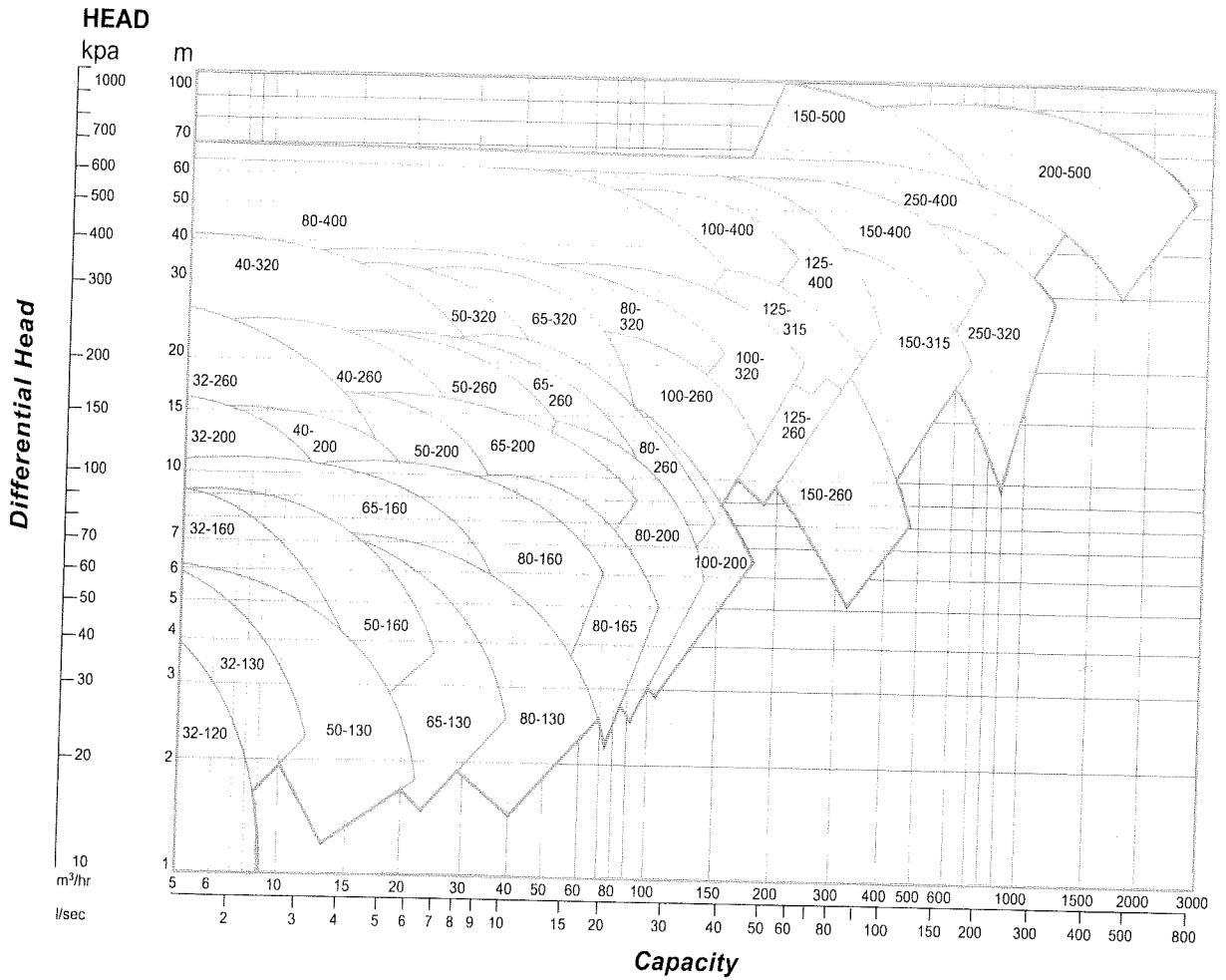
Veeline belt drive centrifugal pumps



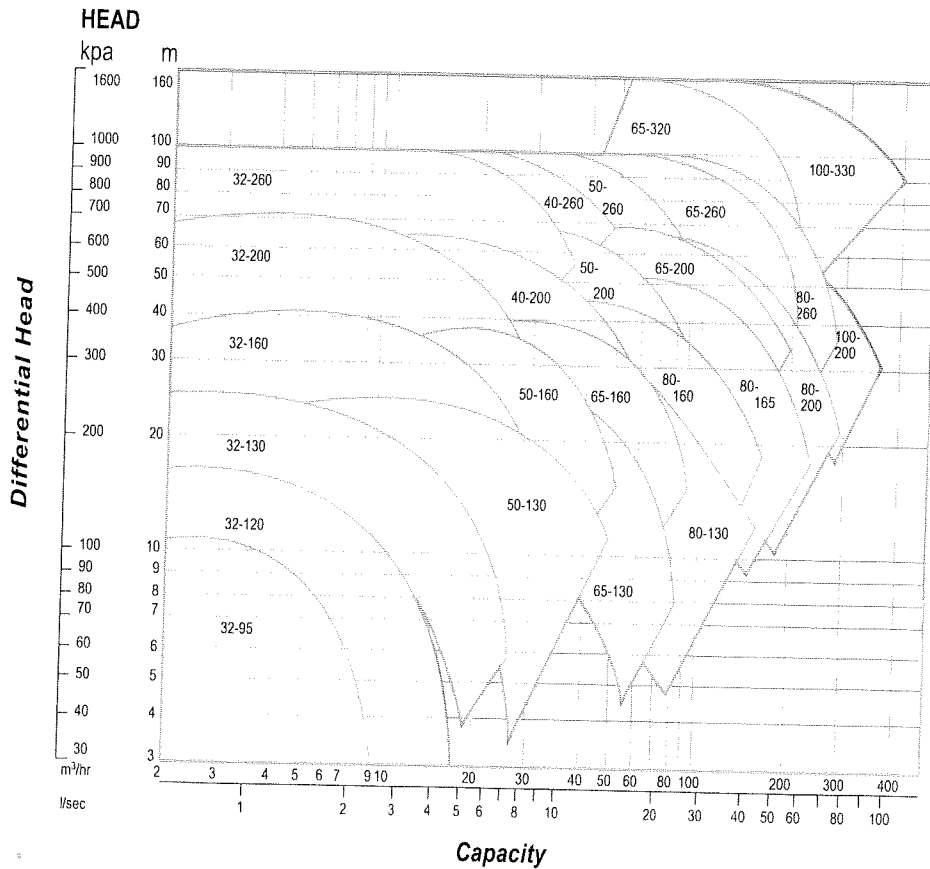
Veepak base mounted belt drive centrifugal pumps



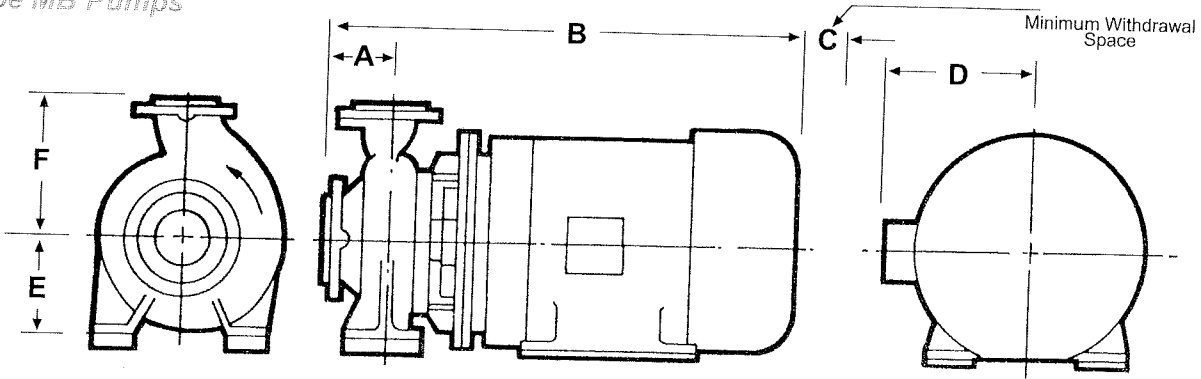
LB/MB Selection Chart 1450 RPM
Performance on Water SG=1.0



LB/MB Selection Chart 2900 RPM
Performance on Water SG=1.0



Type MB Pumps



Pump and/or motor pads may be required (see certified G.A. drawing).

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Dimensions

Pump Type	Inlet Size	Outlet Size	N° of Poles	Max Motor Frame	kW Rating	A	B	C	D	E	F	Weight kgs		
32-130	50	32	4	D71	0.37	80	507	120	120	112	140	48		
32-160			2	D90L	2.2		517		140			55		
32-200			4	D80	0.55		507		120	132	160	58		
			4	D90S	1.1		588		202	90				
32-260			2	D132S	7.5	510	140	160	180	67				
			4	D100L	2.2	654	230	125						
			2	D160M	15.0	602	154	180	225	106				
	4	D160M	15.0	850	258	205								
40-200	65	40	4	D90L	1.5	100	555	130	140	160	180	77		
40-260			2	D160M	15.0		836		258			175		
40-320			4	D100L	3.0		602	154	180	225	108			
			2	D180M	22.0		943	279	263					
50-130	65	50	4	D132M	7.5	125	751	160	230	200	250	180		
50-160			4	D71	0.37	80	507		120			112	140	55
			2	D112M	4.0		568		202	89				
50-200			4	D80	0.75	507	120		132	160	65			
			2	D132S	5.5	654	230	127						
			4	D100L	2.2	588	140	154	160	200	93			
50-260			80	2	D160L	18.5	100	881	258	208				
	4	D112M		4.0	647	202		180	225	130				
50-320	80	65	2	D200L	37.0	125	1025	160	357	230	225	280		
65-130			4	D132M	7.5		751		230			132	160	59
			4	D80	0.75	100	527	140	140	160	180	67		
65-160			2	D132S	7.5		655	230	120	132	160	59		
	4	D90S	1.1	530	140	140	160	180	67					
65-200	100	65	2	D160M	15.0	100	836	258	175					
			4	D112M	4.0		622	202	180	225	105			
65-260	100	65	2	D200L	30.0	125	1000	160	357	230	200	250		
			4	D132M	7.5		751		230			200	250	170
65-320	100	65	2	D250S	55.0	125	1127	160	407	230	200	250		
4			D160M	11.0	878		200		258			225	280	278
80-130			100	80	4	D90L	1.5	100	537	165	140	160	180	69
					2	D160M	11.0		817		258			172
80-160	100	80	4	D100L	2.2	100	602	180	154	160	200	91		
			2	D160L	18.5		895		258			209		
80-165	125	80	4	D100L	3.0	100	627	180	154	180	225	94		
80-200			2	D200L	30.0		1025		357			250	358	
			4	D132S	5.5	713	230	180	250	158				
80-260			125	80	2	D200L	37.0	125	1025	170	357	225	280	220
	4	D160M			11.0	875	258		280		703			
80-320	125	80	2	D250M	75.0	125	1165	170	407	225	280	220		
80-400			4	D180M	18.5		944		210			279	250	315
			100-200	125	100	4	D200L	30.0	125	1034	220	357	280	355
4						D132M	7.5	751		190		230		
100-260	125	100	2	D250M	75.0	125	1165	170	407	225	280	220		
100-320			4	D160L	15.0		938		200			258	225	276
100-400			150	125	4	D200L	30.0	140	1049	220	357	250	310	456
125-260					4	D225M	45.0		1120		362			280
	125-320	150	125	4	D180M	18.5	140	959	210	279	250	355	375	
4				D225S	37.0	1235		220		362			280	535
125-400	150	125	4	D250M	75.0	140	1187	230	407	315	400	878		
			4	D200L	30.0		1069		230			357	280	375
150-260	200	150	4	D250M	75.0	160	1590	260	407	315	400	875		
150-320			4	D280M	110.0		1715		420			1124		
150-400			200	150	4	D250M	110.0	225	1780	315	420	400	560	1249
					4	D315M	185.0		1873		450			1647

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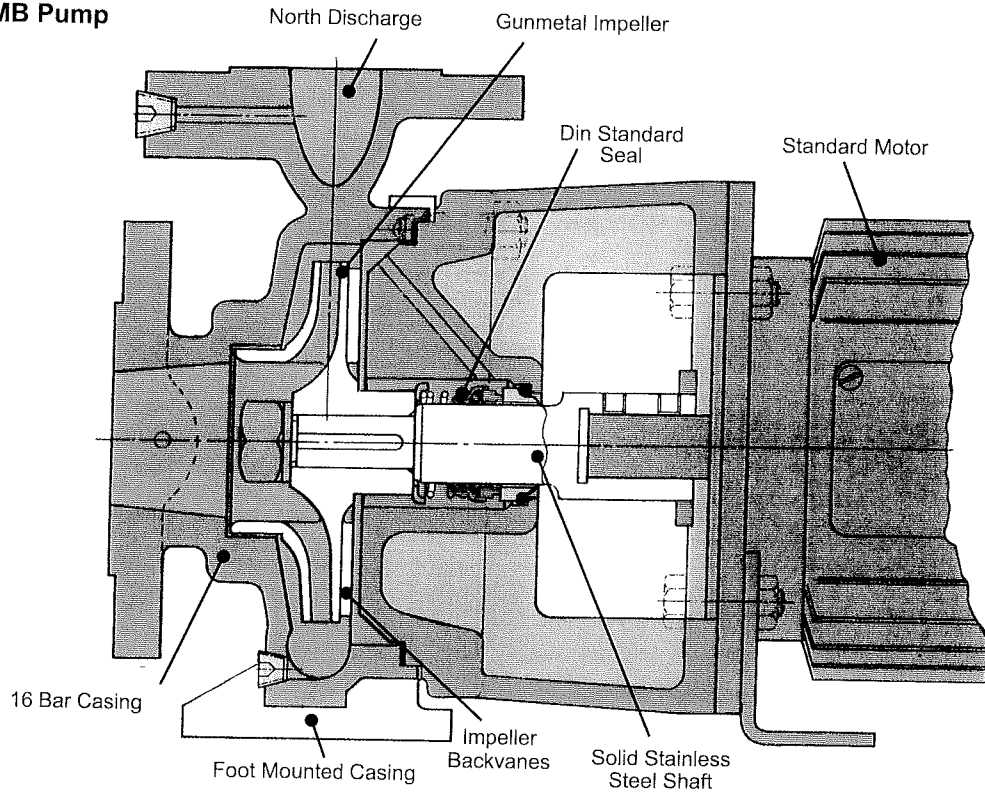
NOTE: Drip Proof, Super silent, 'W' Series and Energy Efficient motors can be supplied if required.

'D' frame motors are totally enclosed fan cooled (IP54).

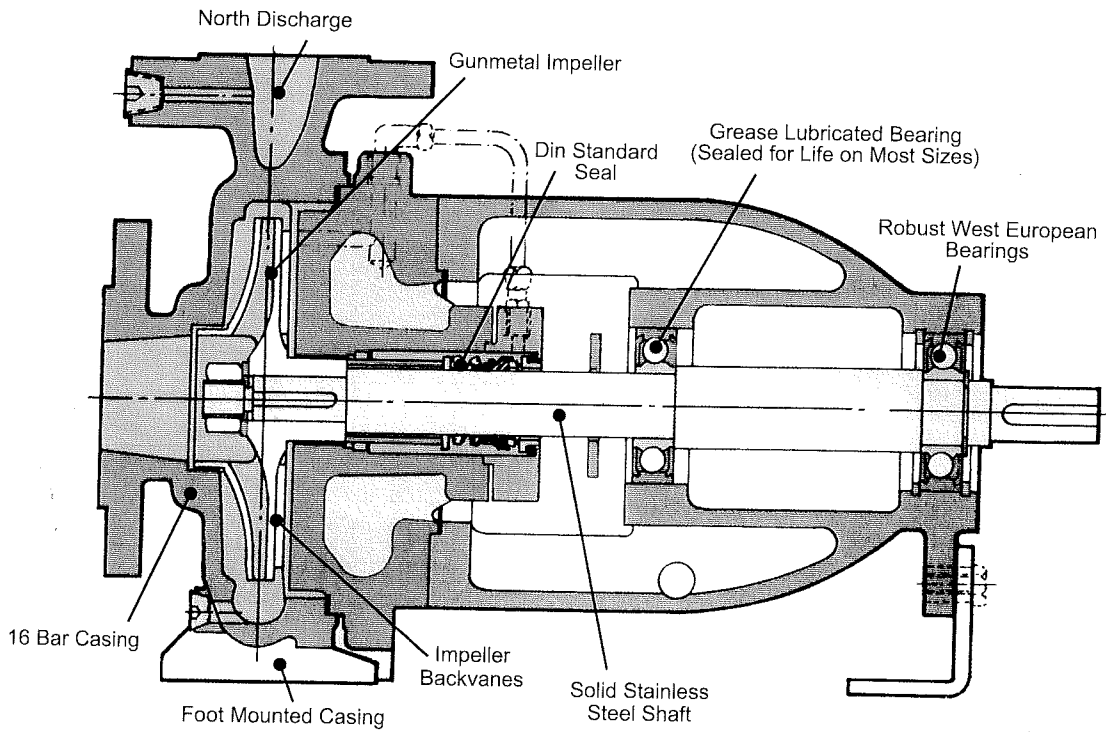
Motor shaded are 2900 RPM

Typical Section

Type MB Pump



Type LB Pump



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Finest in fluid handling

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