

Internal Gear Pumps

Low Capacity L Series

L Series are a compact, highly efficient pump, featuring open coring design which provides improved performance at higher speeds and pressures.

The rotor heads are hydraulically balanced, assuring instant self priming and constant capacity over a wide viscosity and pressure range.

Built in 5 sizes with capacities from 40 to 1050 litres per hour, this group of pumps will handle most liquids with lubricating properties.

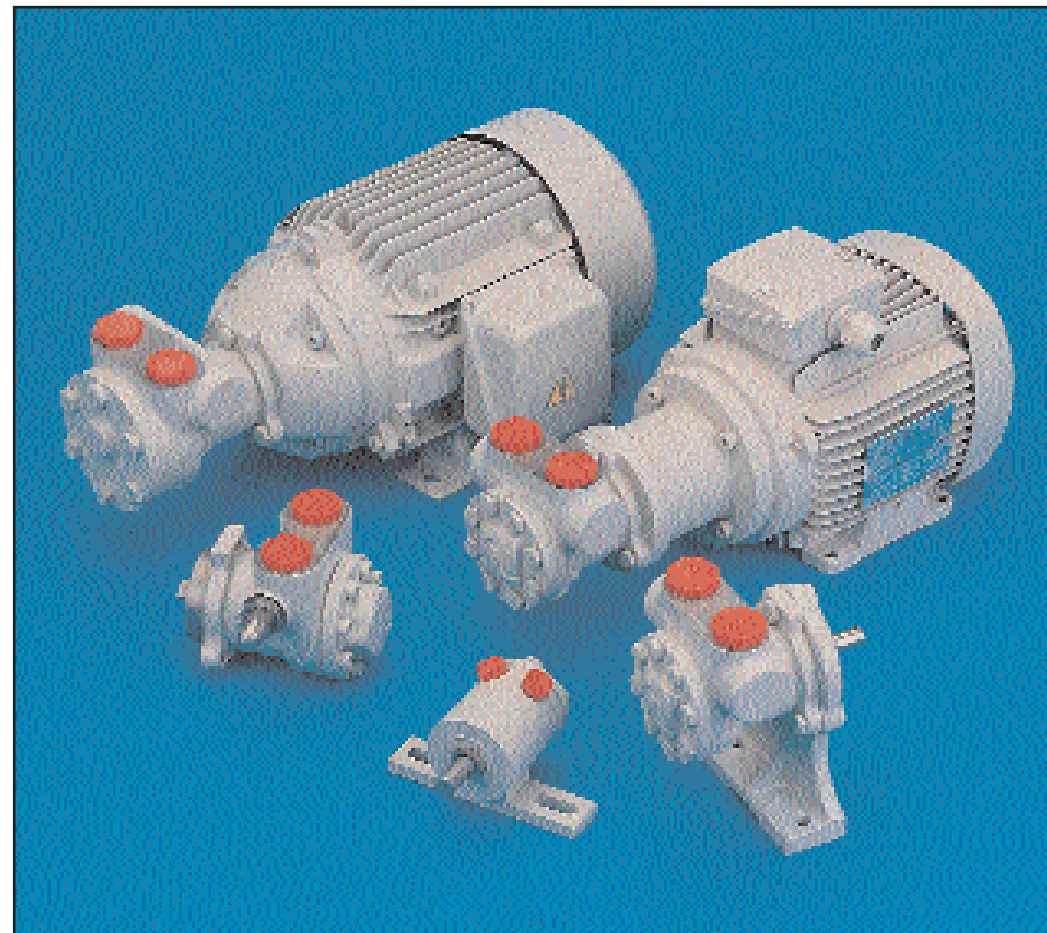
- **LE Range**
Standard 3 hole mount, mechanical face seal, ideal for close coupling to single or three phase motors. All 'LE' Series pumps are suitable for operation up to 3000 rpm, 33 BARG discharge pressure.

Also available with lipseal Type 'LPF' or two hole mount Type 'LA' with mechanical seal for bareshaft applications only.

'L' type pumps are used for positive lubrication, low pressure hydraulics, liquid transfer and fuel oil services. This pump has earned an enviable reputation for dependability and trouble free service.

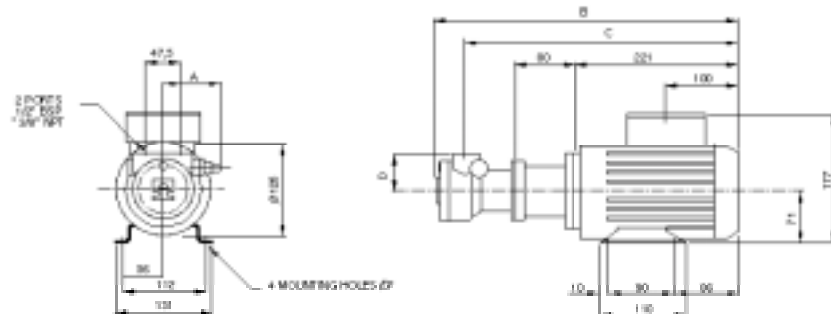
For non-lubricating fluids see '4000' Series on Page 10.

"Liquids from diesel fuel to gear oil"



Dimensional Characteristics

Standard ports tapped 1/2" BSPF (Parallel), except model 30LE (3/8" NPT); model 30UK at 1/8" BSPT.

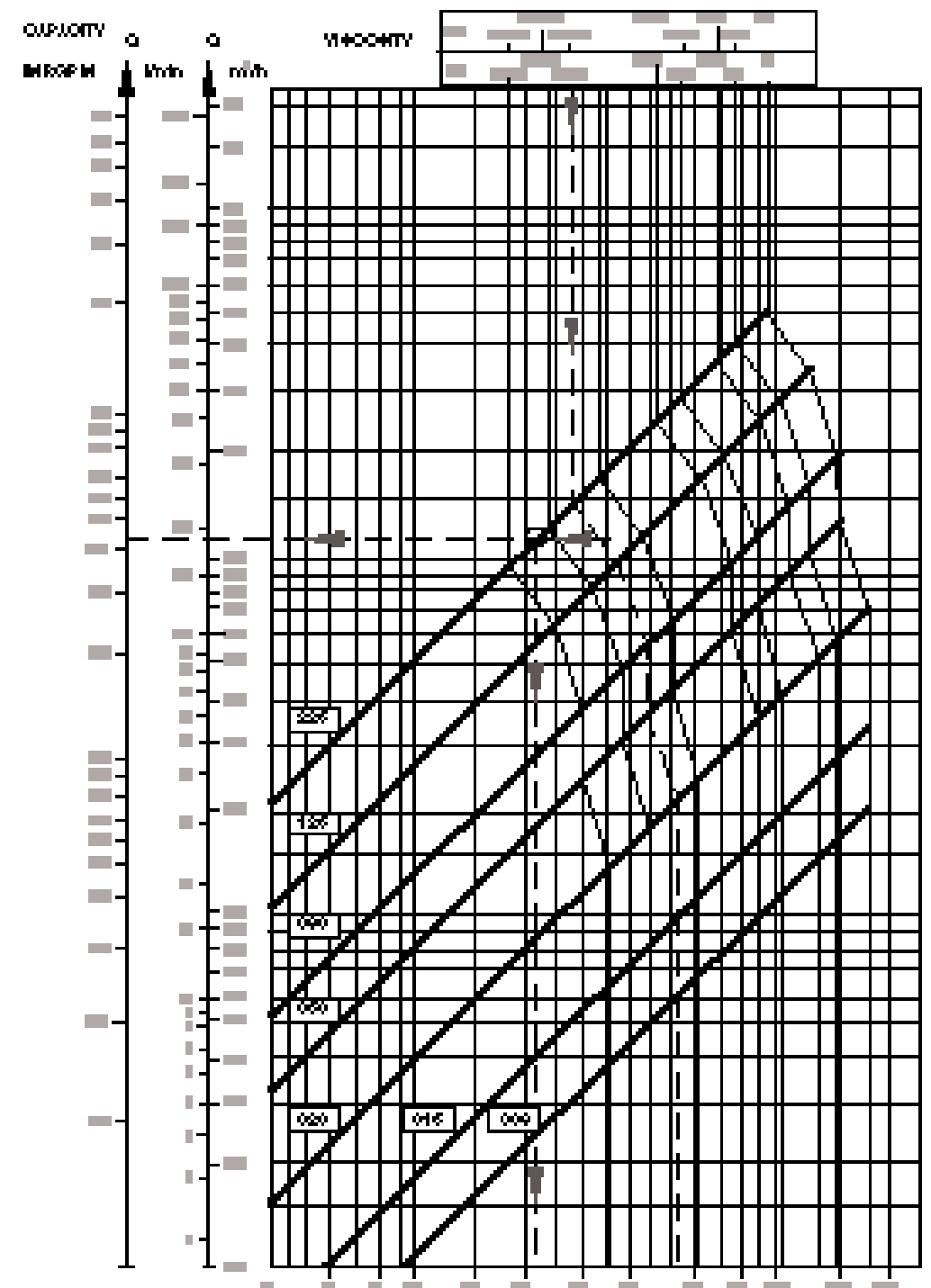


PUMP MODEL	DIMENSIONS			
	A	B	C	D
*30LEV	73	384	354	43
00LEV	73	382	345	51
0LEV	73	382	345	51
1LEV	73	386	349	51
2LEV	77	408	369	51

Typical 'L' series pump/motor unit, detailing 3 phase or single phase D71 metric A.C. motor

ST Series Characteristics - Capacity, Speed & Viscosity **Optional Extras**

The chart below illustrates the wide range available within the ST Series. An example of determining shaft speed for a pump handling fluid at 190L/MIN, 25,000 CST is illustrated. Please contact Tuthill U.K. sales office for catalogue B103 or specific pump performance at relevant viscosity/application pressure.



- Modular Relief Valve:- with facility for internal relief or return to tank option
- Multiple seal options:-
 - Single Mechanical Seal
 - Double Mechanical Seal, tandem or back to back arrangements with appropriate flush connections
 - Cartridge
 - Packed Gland - available with flush facility
- Seal materials:- a wide range including various elastomers, PTFE wedge, metal bellows and/or hardfaced seals
- Multiple bearing configurations:-
 - Carbon bushings
 - Bronze bushings
 - Needle rollers
- Bearing support:- allows customer to drive the pump independently i.e. belt or gear drive
- Aggressive applications:- wetted components can be "Tutrided" to resist wear, separate details on request
- Flanges:- Available on models ST050 and above. Screwed flanges available for models ST009, 015 & 030
- Compact motorised units:- Close coupled monobloc design for all sizes up to ST050
- See catalogue B103 for further information.