



FOOT MOUNTED ZB120



TRUNNION MOUNTED ZX120



FOOT MOUNTED Z580



TYPICAL MOUNTED UNIT

Designed and precision built for efficient transfer of a variety of liquids having lubricating or non-lubricating characteristics.

**PERFORMANCE DATA**

|                                           |              |
|-------------------------------------------|--------------|
| Nominal Rating at 1440 R.P.M. — ZB120 Min | 6.4 Lit/min  |
| ZB120                                     | 11.4 Lit/min |
| Z580                                      | 23.6 Lit/min |

Max Speed 1800 R.P.M.

Max Differential Pressure  $\begin{cases} \leq 20 \text{ cSt} & 1400 \text{ kPa.} \\ & 2000 \text{ kPa.} \end{cases}$

Max Recommended Temp — Mech Seal, 100°C  
— Hyd Packing 200°C

Viscosity Range 1-10,000 cSt.

**FEATURES**

Quiet Operation  
High Overall Efficiency  
Low Maintenance — Long Life  
Easy Pull Out Construction  
Replaceable Internal Wearing Parts  
Direct Coupling to Synchronous Speed Motors  
Rotation to suit Fluid Flow C.W. or C.C.W.  
Variable Mounting Orientation  
Lightweight — Robust — Compact  
Integral Adjustable Bypass Valve — Optional  
Mech Seal or Hydraulic Packing

**TYPICAL SERVICES**

Petroleum and Fuel Oil Industries  
Liquified Gas Industry  
Chemical and Pharmaceutical Industries  
Power Stations Public Utilities  
Paint Industry Edible Oil Industry

**COMMON LIQUID APPLICATIONS**

|            |          |                  |
|------------|----------|------------------|
| Fuel Oils  | Kerosene | Transformer Oils |
| Lube Oils  | L.P. Gas | Vegetable Oils   |
| Distillate | Solvents | Chemicals        |
| Petrol     | Paints   |                  |

**ASSURED PERFORMANCE**

All EBSRAY Z SERIES Pumps are run tested thus guaranteeing performance in accordance with the pump specifications.

The design features of the pump enable reliable operation over a long working life, and trouble free service expectancy is achieved by utilizing low maintenance components within the pump.

EBSRAY spare parts are closely toleranced ensuring quick replacement and interchangeability. All standard spare parts are readily available thus ensuring continuity of pump maintenance services.

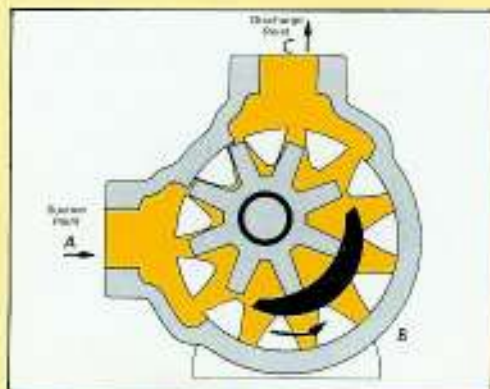
**SPECIAL CONSTRUCTIONS**

Contact EBSRAY or your local representative for advice on alternate arrangements to meet applications not outlined in this catalogue, e.g. O.E.M. special designs.

EBSRAY pumps are all designed and manufactured in AUSTRALIA.

**PUMPING PRINCIPLE**

- Liquid is drawn into the pump through the suction port.
- Liquid is transferred from suction to discharge side of pump.
- As teeth mesh liquid is forced out through discharge port.



PUMPING PRINCIPLE