EBSRAY PUMPS

ROTARY SLIDING VANE PUMP
V SERIES - MODEL V30

Sliding vane design ensures new pump performance over the working life of the pump by self compensation for any wear that may take place.

FEATURES
✓ High Overall Efficiency
✓ Low Maintenance - Long life
✓ Excellent Self Priming and Air Handling Characteristics
✓ Easy Pull Out Construction
✓ Direct Coupling to Synchronous Speed motors
✓ Rotation to Suit Fluid Flow CW or CCW
✓ Variable Mounting Orientation
✓ Lightweight - Robust - Compact
✓ Vanes Positively Actuated
✓ Integral Adjustable Bypass Valve
✓ Replaceable Internal Wearing Parts
✓ Reversible Wear Plates
✓ Replaceable Body Liner
✓ Bearings Isolated From Pumpage by Balanced Mechanical Seals
✓ Standard Pressure Retaining Components Available in Aluminium, Cast Iron, S.G. Iron, and Cast Steel

ASSURED PERFORMANCE
The design features of the pump enable reliable operation over a long working life, and trouble free service is assured by utilising the latest hydraulic design and component materials within the pump. EBSRAY spare parts are closely tolerated ensuring interchangeability and speedy repairs when necessary. All standard spare parts are readily available thus guaranteeing continuity of pump maintenance services.

TYPICAL SERVICES
Transport Tanker Services
Petroleum and Fuel Oil Industries
Edible Oil Industry
Chemical and Pharmaceutical Industries
Power Stations
Paint Industry
Public Utilities
Marine

COMMON LIQUID APPLICATIONS
Fuel Oils
Lube Oils
Distillate
Petrol
Kerosene
Transformer Oils
Solvents
Chemicals
Vegetable Oils
L.P. Gas
V30

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

**HIGH PUMP EFFICIENCY**

Being of the "Sliding Vane Principle", all EBSRAY V SERIES pumps will operate efficiently over a wide range of pressures, viscosities and speeds.

A typical illustration is shown in the diagram opposite, and under ideal conditions it is possible to attain higher efficiency than indicated here.

The diagram shows typical performance of V Series Model V30

<table>
<thead>
<tr>
<th>Speed:</th>
<th>720 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity:</td>
<td></td>
</tr>
<tr>
<td>1 cSt</td>
<td></td>
</tr>
<tr>
<td>30 cSt</td>
<td></td>
</tr>
<tr>
<td>1,000 cSt</td>
<td></td>
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</tbody>
</table>

**PERFORMANCE**

(Recommended maximums)

<table>
<thead>
<tr>
<th>Flow Lit/min</th>
<th>1,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed RPM</td>
<td>960</td>
</tr>
<tr>
<td>Diff' Pressure kPa</td>
<td>1,100</td>
</tr>
<tr>
<td>Viscosity cSt</td>
<td>10,000</td>
</tr>
<tr>
<td>Temperature °C</td>
<td>100</td>
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<tr>
<td>Nom' port size mm</td>
<td>80</td>
</tr>
</tbody>
</table>

Bare Pump Weight:
Aluminium Construction 56 kg
Cast Iron Construction 80.5 kg

NOTE: All specifications and illustrations are typical only and subject to revision without notice. Detailed data available upon request.