TRAVAINI PUMPS USA

TRSC 100

Single Stage Medium Vacuum Pumps

PERFORMANCE: From 100 Torr
CAPACITY: 235 - 530 cfm

FEATURES: Single-stage rotating pump with externally located bearings grease lubricated.

SHAFT SEALING: Mechanical seal - Double mechanical seal – Stuffing box.

OPTIONS: Bareshaft pump - Coupled to electric motor on baseplate - Monoblock with electric motor.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>TRSC 100-550</th>
<th>TRSC 100-700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed RPM</td>
<td>1450 1750</td>
<td>1450 1750</td>
</tr>
<tr>
<td>Motor - installed power HP</td>
<td>20 25</td>
<td>25 40</td>
</tr>
<tr>
<td>Average service liquid flow GPM</td>
<td>10 10</td>
<td>10 10</td>
</tr>
<tr>
<td>Noise level at 150 Torr dB(A)</td>
<td>76 78</td>
<td>76 78</td>
</tr>
<tr>
<td>Minimum suction pressure Torr</td>
<td>90 90</td>
<td>90 90</td>
</tr>
</tbody>
</table>

Pumps are provided with threaded connections for service liquid, pump draining, grease and anticavitation valve and companion flanges. Pumps are also provided, by request, with auxiliary threaded connections, flanged air-liquid separator tank, non return valve, ejector, vacuum relief valve, valve to control the flow of the liquid supply, vacuum gauges, pressure gauges and compound gauges. We can also provide information on our water sealed and oil sealed systems. For more detailed information please contact our Sales Office.

Example for Model Designation

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>GH</th>
<th>F</th>
<th>RA</th>
<th>A3</th>
</tr>
</thead>
<tbody>
<tr>
<td>106</td>
<td>Suction casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>107</td>
<td>Discharge casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>137</td>
<td>Port plate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>Impeller housing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>Shaft</td>
<td>Stainless Steel AISI 420</td>
<td>Stainless Steel AISI 316</td>
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<td></td>
</tr>
<tr>
<td>147</td>
<td>Manifold</td>
<td>Steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>357</td>
<td>Bearing housing mech. seal</td>
<td>Cast Iron</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>Impeller</td>
<td>Bronze</td>
<td>Ductile Iron</td>
<td>Stainless Steel AISI 316</td>
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</tr>
</tbody>
</table>

Special Materials Available Upon Request

Indicative table: for further information please consult our Sales Office
TRAVAINI PUMPS USA
Liquid Ring & Rotary Vane Vacuum Pumps and Systems

DATE: APRIL 97
PAGE NO: 3-140
TRSC 100/C
Bareshaft Construction with Mechanical Seal

Liquid supply inlet
Feed pipe Ø 1 ½" GAS

Closed-Coupled Construction with Mechanical Seal

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>Weight lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRSC 100-550/C</td>
<td>447 496 722 489 440</td>
</tr>
<tr>
<td>TRSC 100-700/C</td>
<td>512 561 787 554 506</td>
</tr>
</tbody>
</table>

Note: Dimensions in mm.
(mm to in = /25.4)

1 Weight without motor
Dimensions for reference only. Please consult factory for certified drawing
The weights refer to GH construction

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>4 Poles Motor HP</th>
<th>PUMP</th>
<th>Weight lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRSC 100-550/C</td>
<td>20</td>
<td>B E1 N R</td>
<td>495</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>447 763 489</td>
<td></td>
</tr>
<tr>
<td>TRSC 100-700/C</td>
<td>30</td>
<td>512 828 554</td>
<td>561</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>512 828 554</td>
<td>594</td>
</tr>
</tbody>
</table>
TRSC 100/C
Base-Mounted Construction (Baseplate-Coupling) with Mechanical Seal

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>4 Poles Motor HP</th>
<th>Baseplate</th>
<th>Pump</th>
<th>Weight</th>
<th>lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRSC 100-550/C</td>
<td>20</td>
<td>907</td>
<td>A 1200  B 510  D 295  F 250  G 470  N 489  P 325  Q 695</td>
<td>719</td>
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<td></td>
<td>25</td>
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</tr>
<tr>
<td>TRSC 100-700C</td>
<td>30</td>
<td>041</td>
<td>A 1350  B 560  D 266  F 225  G 510  N 554  P 355  Q 725</td>
<td>836</td>
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<td></td>
<td>40</td>
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</tr>
</tbody>
</table>

Typical Cross Section with Mechanical Seal

- = A3 construction only
• = Recommended spare parts