

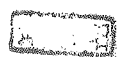



Pump NPSH Test Report

Danai Pumps Co., Ltd

| Contract No: 2017-G001 | | Pump Name: $\gamma-1203A$ | | Pump Model: PC40-2250-25 | | |
|---|---|---------------------------------------|---|--------------------------|---|--|
| Pump Code: N2017G00103010 | | Normal Capacity: 12 m ³ /h | | Normal Head: 75.2 m | | |
| Density of test liquid: 1000 Kg/m ³ | | Temp of test liquid: 15 °C | | NPSH value: 1.5 m | | |
| Calculation | $(V_2^2 - V_1^2) / 2g$ (m) | Δh | Z_2 | P_b | P_v | |
| Constant | 0.119999997 | 2.306 | 0.5 | 1013.5 | 1706.37 | |
| No | Outlet pressure (P_2) | Inlet pressure (P_1) | Head (H) | Velocity (n) | Flow (Q) | Allowance for cavitations (NPSH) |
| | MPa | MPa | m | rmp | m ³ /h | m |
| 1 | 0.74 | -0.007 | 76.85 | 2952.3 | 12 | 9.476 |
| 2 | 0.7 | -0.047 | 76.85 | 2952.4 | 12.1 | 5.394 |
| 3 | 0.63 | -0.0855 | 73.64 | 2952.5 | 12.2 | 1.466 |
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| Remarks: | | | | | | |
|  | | | | | | |
| Conclusion: | | | | | | |
| Tester (Date) |  17.10.27 | Operator (Date) |  17.10.27 | Inspector (Date) |  18-3-9 | |