**Department of Physics, Indian Institute of Technology**

**IIT.P.O. Madras-600 036**

Ref. No. Date: 19 / 05 / 2017

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| **PHY** | **2017** | **032** | **STORES** |

To Whom It May Concern:

Dear Sir,  **Due date: 12/ 06 / 2017**

Please find below the specification of *Dry Scroll Pump* we require for purchase. Kindly send us a quotation by the due date mentioned above.

Minimum specification for **Dry Scroll Pump:**

|  |  |  |
| --- | --- | --- |
| S.No: | Parameter | Value |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14 | Ambient temperature Continuous inlet pressure, max.  Cooling  Dimensions Flange (in)  Flange (out) Helium leak rate, max.    Mains requirement:  Power consumption at ultimate pressure Processes  Pumping speed.  Typical ultimate pressure  Typical ultimate pressure with gas ballast Water vapor capacity, max. | 12-40 °C **|** 53.6-104 °F **|** 285-313 K  1,013 hPa **|** 759.75 Torr **|** 1,013 mbar  Air (L x W x H) 514 x 190 x 270 mm **|** 20.24 x 7.48 x 10.63 inch  DN 25 ISO-KF  DN 16 ISO-KF  5 · 10-8 Pa m3/s **|** 3.75 · 10-7 Torr l/s **|** 5 · 10-7 mbar l/s  voltage 100-230 V ±10 %, 50/60 Hz  450 W  Light Duty Applications  ~14 /h  0.03 hPa **|** 0.02 Torr **|** 0.03 mbar  0.1 hPa **|** 0.07 Torr **|** 0.1 mbar  80 g/h |

**Accessories required**

The vendor is required to quote the following accessories which are compatible with the above instrument mentioned for purchase together and *will be* used for price comparison.

|  |  |
| --- | --- |
| **S.No:** | **Accessories** |
| 1  2  3  4 | External silencer  Inlet particle filter  Sound enclosure kit  Noise Reduction Cover |

Please provide a clear warranty statement

Please send the quotation (technical and price details) by email (signed and scanned) OR hard copy before the due date.

Please mark reference number on top of the quotation.

Yours Sincerely,

**Sivarama Krishnan**

**Co-ordinator**

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