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|-------------|----------------------|
| <b>PUMP</b> | <b>MAGNUS-2 1250</b> |
|-------------|----------------------|

|             |                                                                                       |
|-------------|---------------------------------------------------------------------------------------|
| <b>DATE</b> | Periodic re-testing is carried out annually in January to verify continued compliance |
|-------------|---------------------------------------------------------------------------------------|

| NOMINAL DATA    |          |                 |        |               |          |
|-----------------|----------|-----------------|--------|---------------|----------|
| <b>Qmax:</b>    | 180 m3/h | <b>Hmax:</b>    | 21 m   | <b>Speed:</b> | 2900 rpm |
| <b>Voltage:</b> | 400 V    | <b>Current:</b> | 18,5 A | <b>Freq:</b>  | 50 Hz    |

| TESTING CONDITIONS      |                      |                     |        |                      |         |
|-------------------------|----------------------|---------------------|--------|----------------------|---------|
| <b>Fluid / Density:</b> | Water [0,998 Kg/dm3] | <b>In/Out Diff:</b> | 0,94 m | <b>Fluid Temp:</b>   | 20,6 °C |
| <b>Suction Size:</b>    | DN 100               | <b>Drive Size:</b>  | DN 100 | <b>Ambient Temp:</b> | 22,3 °C |

| PUMP PERFORMANCE TESTING REPORT |                |             |              |             |          |                |               |             |         |              |              |
|---------------------------------|----------------|-------------|--------------|-------------|----------|----------------|---------------|-------------|---------|--------------|--------------|
| No.                             | HYDRAULIC TEST |             |              |             |          |                | ELECTRIC TEST |             |         |              |              |
|                                 | Flow (m3/h)    | In Head (m) | Out Head (m) | Kinetic (m) | Head (m) | Efficiency (%) | Speed (rpm)   | Voltage (V) | Amp (A) | Power Factor | Power IN (W) |
| 1                               | 0,00           | 1,49        | 22,97        | 0,00        | 21,47    | 0,00           | 2.915         | 396         | 6,59    | 0,78         | 3.517        |
| 2                               | 16,63          | 1,2         | 22,41        | 0,00        | 21,21    | 22,26          | 2.901         | 401         | 8,07    | 0,77         | 4.309        |
| 3                               | 33,25          | 0,9         | 21,63        | 0,00        | 20,73    | 37,01          | 2.895         | 396         | 9,49    | 0,78         | 5.065        |
| 4                               | 49,88          | 0,61        | 20,63        | 0,00        | 20,02    | 46,94          | 2.887         | 400         | 10,84   | 0,77         | 5.785        |
| 5                               | 66,50          | 0,32        | 19,41        | 0,00        | 19,09    | 53,37          | 2.877         | 401         | 12,13   | 0,77         | 6.470        |
| 6                               | 83,13          | 0,02        | 17,97        | 0,00        | 17,95    | 56,99          | 2.875         | 401         | 13,34   | 0,77         | 7.119        |
| 7                               | 99,75          | -0,27       | 16,3         | 0,00        | 16,58    | 58,15          | 2.863         | 397         | 14,49   | 0,78         | 7.733        |
| 8                               | 116,38         | -0,57       | 14,42        | 0,00        | 14,99    | 57,07          | 2.854         | 397         | 15,57   | 0,78         | 8.310        |
| 9                               | 133,00         | -0,86       | 12,31        | 0,00        | 13,17    | 53,83          | 2.845         | 402         | 16,59   | 0,77         | 8.853        |
| 10                              | 149,63         | -1,16       | 9,99         | 0,00        | 11,14    | 48,44          | 2.845         | 402         | 17,54   | 0,77         | 9.359        |
| 11                              | 166,25         | -1,45       | 7,44         | 0,00        | 8,89     | 40,88          | 2.833         | 398         | 18,42   | 0,77         | 9.830        |
| 12                              | 182,88         | -1,74       | 4,67         | 0,00        | 6,41     | 31,07          | 2.828         | 402         | 19,24   | 0,77         | 10.265       |

