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|-------------|---------------------|
| <b>PUMP</b> | <b>MAGNUS-4 250</b> |
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|             |                                                                                       |
|-------------|---------------------------------------------------------------------------------------|
| <b>DATE</b> | Periodic re-testing is carried out annually in January to verify continued compliance |
|-------------|---------------------------------------------------------------------------------------|

| NOMINAL DATA    |         |                 |       |               |          |
|-----------------|---------|-----------------|-------|---------------|----------|
| <b>Qmax:</b>    | 76 m3/h | <b>Hmax:</b>    | 14 m  | <b>Speed:</b> | 1450 rpm |
| <b>Voltage:</b> | 400 V   | <b>Current:</b> | 4,9 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>   | 21,7 °C |
| <b>Suction Size:</b>    | DN 100               | <b>Drive Size:</b>  | DN 100 | <b>Ambient Temp:</b> | 26,8 °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        | 15,78        | 0,00        | 14,28    | 0,00           | 1.462         | 396         | 1,02    | 0,78         | 542          |
| 2                               | 7,40           | 1,36        | 14,8         | 0,00        | 13,44    | 35,36          | 1.458         | 402         | 1,43    | 0,77         | 765          |
| 3                               | 14,80          | 1,23        | 13,73        | 0,00        | 12,5     | 51,92          | 1.449         | 399         | 1,82    | 0,77         | 969          |
| 4                               | 22,20          | 1,1         | 12,57        | 0,00        | 11,47    | 59,93          | 1.449         | 400         | 2,16    | 0,77         | 1.155        |
| 5                               | 29,60          | 0,97        | 11,3         | 0,00        | 10,33    | 62,89          | 1.441         | 397         | 2,48    | 0,78         | 1.322        |
| 6                               | 37,00          | 0,84        | 9,93         | 0,00        | 9,1      | 62,23          | 1.437         | 402         | 2,76    | 0,77         | 1.471        |
| 7                               | 44,40          | 0,71        | 8,47         | 0,00        | 7,76     | 58,55          | 1.437         | 400         | 3,00    | 0,77         | 1.601        |
| 8                               | 51,80          | 0,58        | 6,91         | 0,00        | 6,33     | 52,09          | 1.427         | 403         | 3,21    | 0,76         | 1.712        |
| 9                               | 59,20          | 0,44        | 5,25         | 0,00        | 4,8      | 42,82          | 1.427         | 402         | 3,38    | 0,77         | 1.805        |
| 10                              | 66,60          | 0,31        | 3,49         | 0,00        | 3,17     | 30,58          | 1.427         | 400         | 3,52    | 0,77         | 1.880        |
| 11                              | 74,00          | 0,18        | 1,63         | 0,00        | 1,45     | 15,03          | 1.417         | 403         | 3,63    | 0,76         | 1.935        |
| 12                              | 81,40          | 0,05        | -0,33        | 0,00        | -0,38    | 0,00           | 1.413         | 398         | 3,70    | 0,77         | 1.972        |

