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|-------------|--------------------------|
| <b>PUMP</b> | <b>VERT MAGNUS-4 550</b> |
|-------------|--------------------------|

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

| NOMINAL DATA    |                         |                 |       |               |          |
|-----------------|-------------------------|-----------------|-------|---------------|----------|
| <b>Qmax:</b>    | 143,4 m <sup>3</sup> /h | <b>Hmax:</b>    | 15 m  | <b>Speed:</b> | 1450 rpm |
| <b>Voltage:</b> | 400 V                   | <b>Current:</b> | 8,8 A | <b>Freq:</b>  | 50 Hz    |

| TESTING CONDITIONS      |                                   |                     |        |                      |         |
|-------------------------|-----------------------------------|---------------------|--------|----------------------|---------|
| <b>Fluid / Density:</b> | Water [0,998 Kg/dm <sup>3</sup> ] | <b>In/Out Diff:</b> | 0,94 m | <b>Fluid Temp:</b>   | 21,2 °C |
| <b>Suction Size:</b>    | DN 100                            | <b>Drive Size:</b>  | DN 100 | <b>Ambient Temp:</b> | 24,8 °C |

| PUMP PERFORMANCE TESTING REPORT |                          |             |              |             |          |                |               |             |         |              |              |
|---------------------------------|--------------------------|-------------|--------------|-------------|----------|----------------|---------------|-------------|---------|--------------|--------------|
| No.                             | HYDRAULIC TEST           |             |              |             |          |                | ELECTRIC TEST |             |         |              |              |
|                                 | Flow (m <sup>3</sup> /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        | 16,55        | 0,00        | 15,06    | 0,00           | 1.459         | 400         | 2,65    | 0,77         | 1.414        |
| 2                               | 13,39                    | 1,25        | 15,99        | 0,00        | 14,74    | 29,17          | 1.454         | 396         | 3,45    | 0,78         | 1.840        |
| 3                               | 26,78                    | 1,02        | 15,25        | 0,00        | 14,24    | 46,32          | 1.451         | 403         | 4,19    | 0,76         | 2.238        |
| 4                               | 40,17                    | 0,78        | 14,33        | 0,00        | 13,55    | 56,71          | 1.450         | 397         | 4,89    | 0,78         | 2.610        |
| 5                               | 53,55                    | 0,54        | 13,24        | 0,00        | 12,69    | 62,53          | 1.451         | 398         | 5,54    | 0,77         | 2.956        |
| 6                               | 66,94                    | 0,31        | 11,96        | 0,00        | 11,65    | 64,76          | 1.444         | 402         | 6,14    | 0,77         | 3.275        |
| 7                               | 80,33                    | 0,07        | 10,5         | 0,00        | 10,43    | 63,86          | 1.440         | 399         | 6,69    | 0,77         | 3.568        |
| 8                               | 93,72                    | -0,17       | 8,87         | 0,00        | 9,03     | 60,03          | 1.437         | 401         | 7,19    | 0,77         | 3.834        |
| 9                               | 107,11                   | -0,4        | 7,05         | 0,00        | 7,45     | 53,28          | 1.437         | 400         | 7,64    | 0,77         | 4.074        |
| 10                              | 120,50                   | -0,64       | 5,05         | 0,00        | 5,69     | 43,53          | 1.438         | 398         | 8,03    | 0,77         | 4.287        |
| 11                              | 133,88                   | -0,88       | 2,88         | 0,00        | 3,76     | 30,58          | 1.432         | 403         | 8,39    | 0,76         | 4.474        |
| 12                              | 147,27                   | -1,11       | 0,53         | 0,00        | 1,64     | 14,18          | 1.428         | 397         | 8,69    | 0,78         | 4.635        |

