# TEST REPORT

| PUMP | VERT CF-2 750 |
|---|---|

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

| NOMINAL DATA | | | | | |
|---|---|---|---|---|---|
| **Qmax:** | 159 m3/h | **Hmax:** | 21 m | **Speed:** | 2900 rpm |
| **Voltage:** | 400 V | **Current:** | 12,5 A | **Freq:** | 50 Hz |

| TESTING CONDITIONS | | | | | |
|---|---|---|---|---|---|
| **Fluid / Density:** | Water [0,998 Kg/dm3] | **In/Out Diff:** | 1,06 m | **Fluid Temp:** | 21,9 ºC |
| **Suction Size:** | DN 125 | **Drive Size:** | DN 100 | **Ambient Temp:** | 27,6 ºC |

**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 | 22,36 | 0,00 | **20,87** | 0,00 | 2.914 | 396 | 3,84 | 0,78 | **2.048** |
| 2 | **15,21** | 1,32 | 21,91 | 0,01 | **20,6** | 31,50 | 2.901 | 401 | 5,07 | 0,77 | **2.704** |
| 3 | **30,41** | 1,15 | 21,22 | 0,03 | **20,1** | 50,03 | 2.894 | 398 | 6,23 | 0,77 | **3.323** |
| 4 | **45,62** | 0,97 | 20,27 | 0,08 | **19,37** | 61,57 | 2.891 | 397 | 7,32 | 0,78 | **3.903** |
| 5 | **60,82** | 0,8 | 19,07 | 0,14 | **18,41** | 68,49 | 2.883 | 403 | 8,33 | 0,76 | **4.446** |
| 6 | **76,03** | 0,63 | 17,63 | 0,22 | **17,22** | 71,89 | 2.871 | 399 | 9,28 | 0,77 | **4.952** |
| 7 | **91,24** | 0,46 | 15,94 | 0,31 | **15,79** | 72,31 | 2.864 | 402 | 10,16 | 0,77 | **5.419** |
| 8 | **106,44** | 0,29 | 13,99 | 0,43 | **14,14** | 69,97 | 2.861 | 396 | 10,96 | 0,78 | **5.849** |
| 9 | **121,65** | 0,11 | 11,81 | 0,56 | **12,25** | 64,94 | 2.845 | 400 | 11,70 | 0,77 | **6.241** |
| 10 | **136,86** | -0,06 | 9,37 | 0,71 | **10,13** | 57,19 | 2.843 | 402 | 12,36 | 0,77 | **6.595** |
| 11 | **152,06** | -0,23 | 6,69 | 0,87 | **7,78** | 46,58 | 2.838 | 399 | 12,95 | 0,77 | **6.912** |
| 12 | **167,27** | -0,4 | 3,75 | 1,05 | **5,21** | 32,93 | 2.826 | 402 | 13,48 | 0,77 | **7.191** |

Curves according ISO 9906 Annex A regulation

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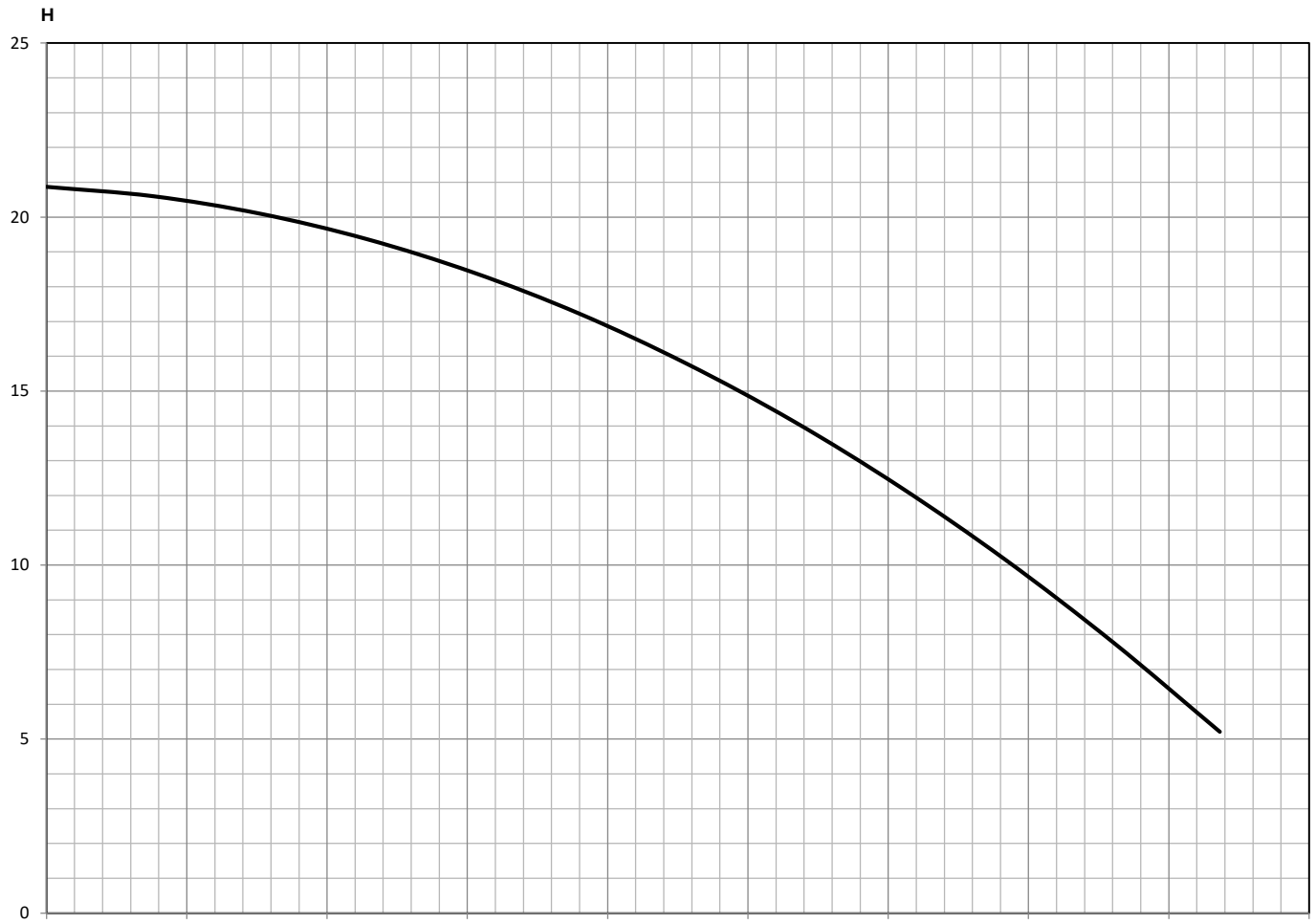


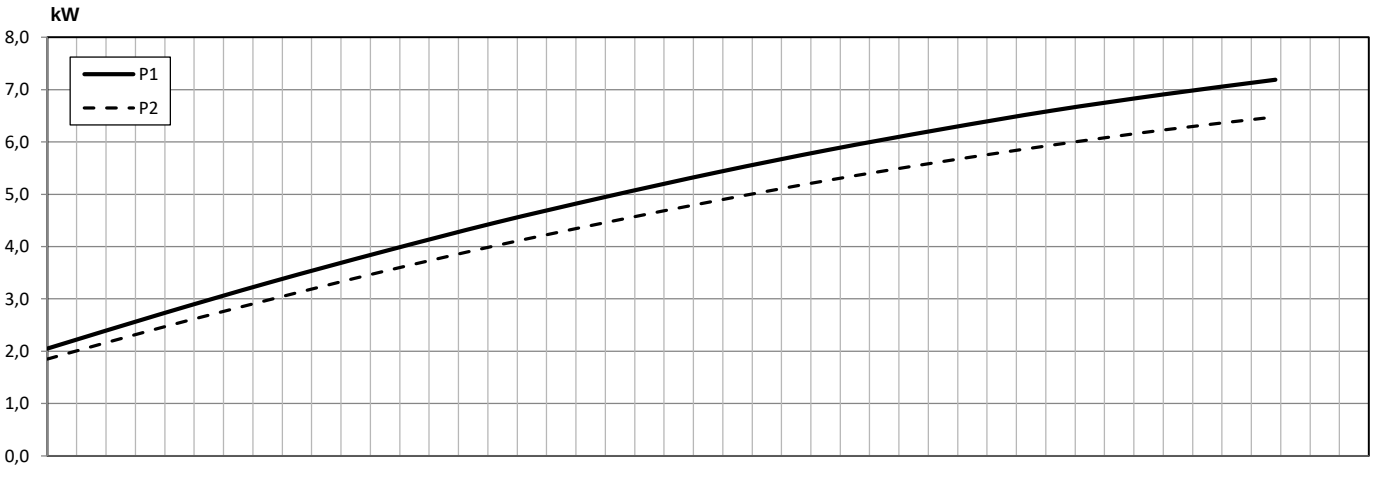


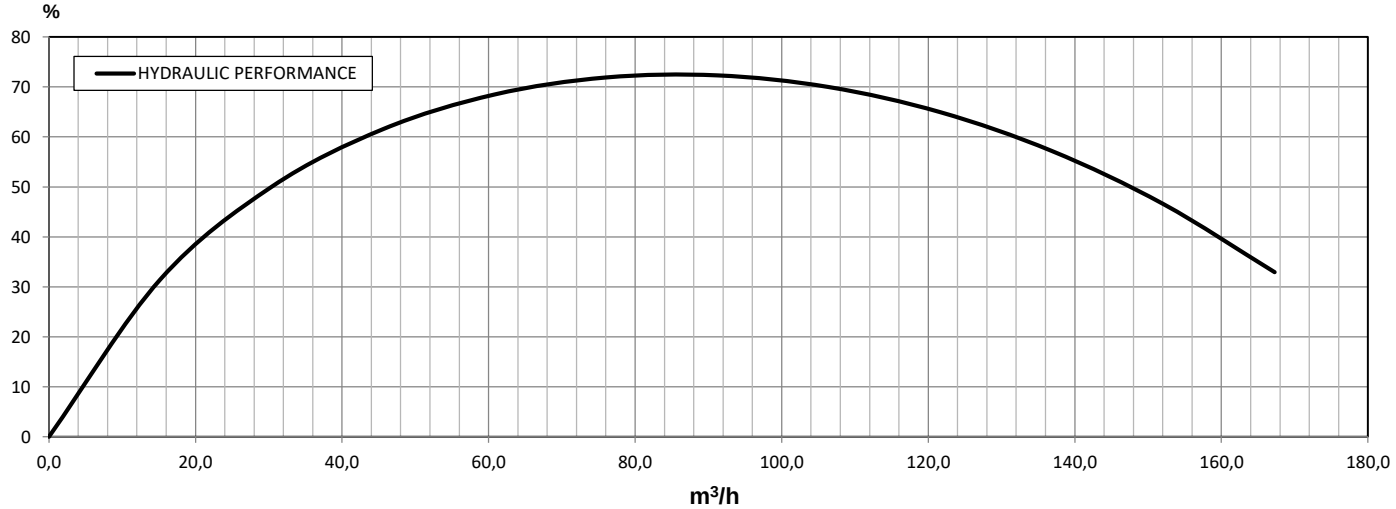


Curves according ISO 9906 Annex A regulation