

3"

new!

Vera™ - 3" INVERTER SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS COMPLETE WITH HIGH SPEED ELECTRIC MOTOR



EXECUTIONS

ECP = with EXTERNAL INVERTER VARIABLE SPEED with "CP" = CONSTANT PRESSURE CONTROL (between 5740 - 8600 rpm)

I = with BUILT-IN INVERTER HIGH CONSTANT SPEED (8600 rpm)

PUMP CONSTRUCTION

All stainless steel AISI 304 with polyacetal diffuser and noryl impeller.

All parts in contact with the fluid are made of corrosion-free materials. Built-in check non return valve.

All pumps are supplied with 1,75 mt cable; longer cable lengths on demand.

Nominal Motor Power: P₂

| TYPES | TYPE OF INVERTER AND SPEED | HP | KW | Rp | Q = Performance at 2900 rpm | | | | | | | | | | | | | | Impeller material | Impeller type | No of impellers | Electropump Height in mms | Weight in kg |
|-------------|----------------------------------|-----|-----|----|---|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-------------------|---------------|-----------------|---------------------------|--------------|
| | | | | | m³/h | 0 | 0,3 | 0,6 | 1,2 | 1,8 | 2,4 | 3 | 3,6 | 4,2 | 4,8 | 5,4 | 6 | 6,6 | | | | | |
| | | | | | l/m | 0 | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | | | | | |
| 3000P-2-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 44 | 42 | 40 | 35 | 28 | 20 | | | | | | | | noryl | radial | 2 | 465 | 4,9 |
| 3000P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3005P-2-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 67 | 64 | 60 | 50 | 40 | 30 | | | | | | | | noryl | radial | 3 | 485 | 5 |
| 3005P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3100P-2-ECP | external inverter variable speed | 1,2 | 0,9 | 1" | H _{tm} = total head in meters w.c. | 89 | 83 | 76 | 65 | 49 | 35 | | | | | | | | noryl | radial | 4 | 535 | 5,7 |
| 3100P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3105P-2-ECP | external inverter variable speed | 1,2 | 0,9 | 1" | H _{tm} = total head in meters w.c. | 109 | 103 | 97 | 81 | 66 | 45 | | | | | | | | noryl | radial | 5 | 555 | 5,8 |
| 3105P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3200P-2-ECP | external inverter variable speed | 2 | 1,5 | 1" | H _{tm} = total head in meters w.c. | 150 | 142 | 133 | 111 | 88 | 58 | | | | | | | | noryl | radial | 7 | 625 | 6,9 |
| 3200P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3205P-2-ECP | external inverter variable speed | 2 | 1,5 | 1" | H _{tm} = total head in meters w.c. | 194 | 180 | 166 | 142 | 110 | 73 | | | | | | | | noryl | radial | 9 | 665 | 7,1 |
| 3205P-2-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3000P-3-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 27 | 26 | 26 | 25 | 23 | 22 | 20 | 19 | 16 | 12 | | | | noryl | radial | 1 | 315 | 4,7 |
| 3000P-3-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3005P-3-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 51 | 51 | 50 | 48 | 46 | 43 | 40 | 36 | 30 | 23 | | | | noryl | radial | 2 | 335 | 5 |
| 3005P-3-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3100P-3-ECP | external inverter variable speed | 1,2 | 0,9 | 1" | H _{tm} = total head in meters w.c. | 76 | 75 | 75 | 72 | 69 | 65 | 60 | 53 | 43 | 33 | | | | noryl | radial | 3 | 390 | 5,9 |
| 3100P-3-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3200P-3-ECP | external inverter variable speed | 2 | 1,5 | 1" | H _{tm} = total head in meters w.c. | 101 | 100 | 98 | 95 | 91 | 85 | 77 | 67 | 56 | 44 | | | | noryl | radial | 4 | 570 | 7,1 |
| 3200P-3-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3000P-5-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 27 | 27 | 26 | 26 | 25 | 24 | 22 | 20 | 17 | 15 | 13 | 10 | | noryl | radial | 1 | 315 | 4,7 |
| 3000P-5-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3005P-5-ECP | external inverter variable speed | 0,8 | 0,6 | 1" | H _{tm} = total head in meters w.c. | 51 | 51 | 51 | 49 | 47 | 44 | 41 | 38 | 34 | 30 | 25 | 20 | 8 | noryl | radial | 2 | 335 | 5 |
| 3005P-5-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3100P-5-ECP | external inverter variable speed | 1,2 | 0,9 | 1" | H _{tm} = total head in meters w.c. | 78 | 77 | 76 | 73 | 70 | 66 | 62 | 57 | 51 | 45 | 38 | 30 | 14 | noryl | radial | 3 | 390 | 5,9 |
| 3100P-5-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |
| 3200P-5-ECP | external inverter variable speed | 2 | 1,5 | 1" | H _{tm} = total head in meters w.c. | 102 | 101 | 99 | 96 | 91 | 85 | 80 | 74 | 67 | 58 | 47 | 35 | 19 | noryl | radial | 4 | 570 | 7,1 |
| 3200P-5-I | internal inverter constant speed | | | | | | | | | | | | | | | | | | | | | | |

• Reduction in speed will result in a fall of performance. • DO NOT RUN PUMP DRY! • Tolerances according to ISO 9906, Annex A.

- Built-in check non-return valve to protect the pump against water hammer.

3" Vera™ - SUBMERSIBLE MULTISTAGE BOREHOLE ELECTRIC PUMPS FOR DEEP WELLS for min. 3-inch COMPLETE WITH 2 POLE MOTORS TO NEMA STANDARD.

An inexpensive well solution also ideal to replace surface shallow well pumps with insufficient suction capacity.

PUMP CONSTRUCTION

Executions:

- Pump and Motor Casing in Stainless Steel.
- Pump Head and Motor Bracket in Brass (On demand Pump Head and Motor Bracket in Stainless Steel).



| TYPES | | HP | kW | DNm Ø | Q = Performance at 2900 rpm | | | | | | | | | | Impeller material | Impeller RA=radial MF=mixed flow | No of impellers | Electropump Height in mms | Weight in kg |
|-----------------|-----------------|------|------|-------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|--|--------------------|------------------------------|-----------------|
| 1~ 230V 50Hz | 3~ 400V 50Hz | | | | m³/h | 0 | 0,3 | 0,6 | 0,9 | 1,2 | 1,5 | 1,8 | 2,4 | 2,7 | | | | | |
| | | | | | l/m | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 40 | 45 | | | | | |
| 3000-P | 3000-PT | 0,5 | 0,33 | 1" | Hm = Total head in meters w.c. | 49 | 46 | 42 | 39 | 36 | 32 | 28 | 15 | 7 | noryl | RA | 15 | 957 | 9,3 |
| 3100-P | 3100-PT | 0,75 | 0,55 | 1" | | 73 | 70 | 66 | 61 | 55 | 49 | 43 | 24 | 13 | noryl | RA | 23 | 1177 | 10,8 |
| 3200-P | 3200-PT | 1 | 0,75 | 1" | | 97 | 92 | 86 | 80 | 73 | 65 | 57 | 33 | 17 | noryl | RA | 30 | 1416 | 12,4 |
| | 3300-PT | 1,5 | 1,1 | 1" | | 135 | 128 | 119 | 112 | 103 | 90 | 75 | 47 | 28 | noryl | RA | 45 | 1796 | 14,4 |

- Reduction in speed will result in a fall of performance.
- DO NOT RUN PUMP DRY!
- Tolerances according to ISO 9906, Annex A.

- Built-in check non-return valve to protect the pump against water hammer.