



ATAC Solutions Ltd is a leading environmental engineering company based in Maidstone, United Kingdom.

ATAC Solutions is known for its state-of-the-art liquid collection fleet and its expertise in providing bespoke turnkey wastewater process solutions.

With a focus on sustainability and accreditation in ISO 9001 & ISO 14001, the company serves domestic and industrial clients across the South-East and London.



ATAC Solutions Ltd,  
Unit A9, Loc 8 Business Park, Ashford Road,  
Hollingbourne, Maidstone, England, ME17 1WR

 [atacsolutions.com](https://atacsolutions.com)  
 01622 882400



Axiom Water companies



# NOVA - FEKA

## SUBMERSIBLE PUMPS FOR DRAINAGE AND WASTE WATER



Pump body, impeller, cap and suction grid in technopolymer.  
 Motor, rotor shaft and screws in stainless steel.  
 Triple O-ring seal interposed with an oil precombustion chamber.  
 Continuous duty submersible asynchronous motor.  
 Stator fitted in an airtight stainless steel casing.  
 Rotor mounted on overdimensioned, greased-for-life ball bearings.  
 Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.  
 Supplied with standard power cables for the single-phase version:  
 5 metres HO5RN-F cable for: NOVA 180 M-A NOVA 300 M-A  
 NOVA 600 M-A FEKA 600 M-A  
 10 metres HO5RN-F cable for: NOVA 180 M-NA NOVA 200 M-NA  
 10 metres HO7RN-F cable for: NOVA 600 M-NA FEKA 600 M-NA  
 Standard cables supplied for the three-phase version: 5 metres of HO7RN-F cable.  
 For the single phase the standard is a SCHUKO plug EEC VII.  
 For special version available with special stainless steel motor shaft.

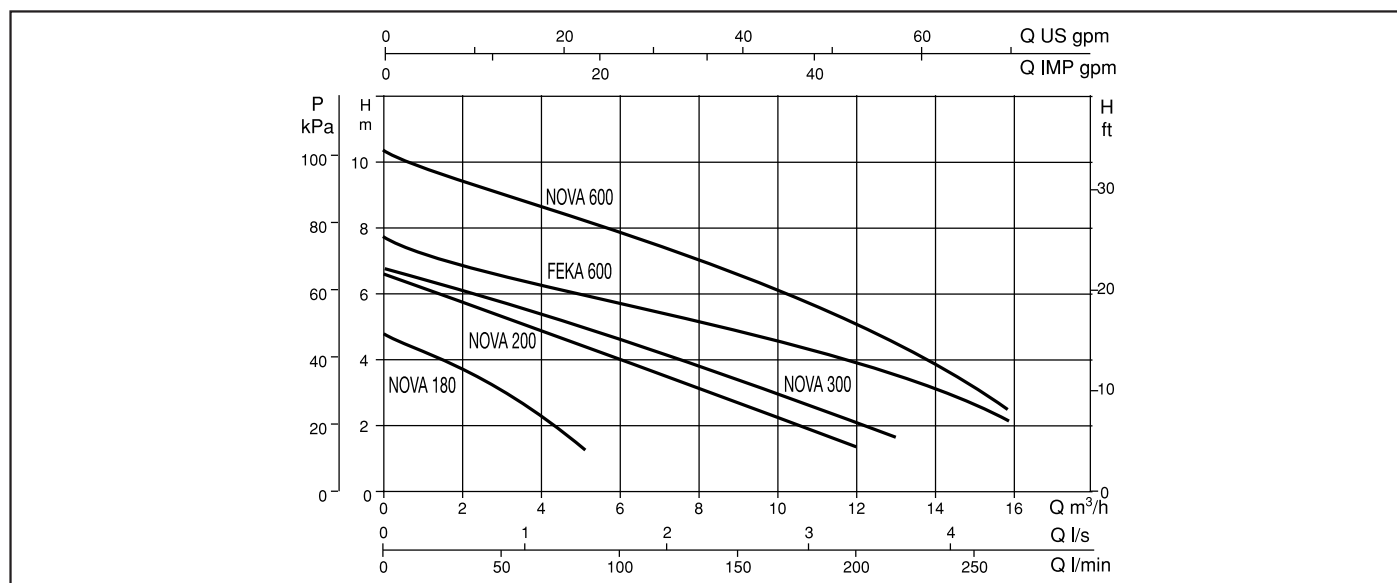


**Operating range:** from 1 to 16 m<sup>3</sup>/h with head up to 10.2 metres  
**Liquid temperature range:** from 0°C to +35°C for domestic use  
**Pumped liquid characteristics:** NOVA fibre-less murky water  
 FEKA sewage water from septic tanks

**Granulometric passage through the suction grid:** NOVA 180 – NOVA 200 5 mm  
 NOVA 300 – NOVA 600 10 mm  
 FEKA 600 25 mm  
**Min. suction depth:** NOVA 180 A 77 mm  
 NOVA 180 NA – NOVA 200 8 mm  
 NOVA 300 85 mm  
 NOVA 600 A – FEKA 600 A 175 mm  
 NOVA 600 NA – FEKA 600 NA 38 mm

**Maximum immersion depth:** 7 metres  
**Maximum dry running time:** 1 minute  
**Protection level:** IP 68  
**Insulation class:** F

## HYDRAULIC DATA



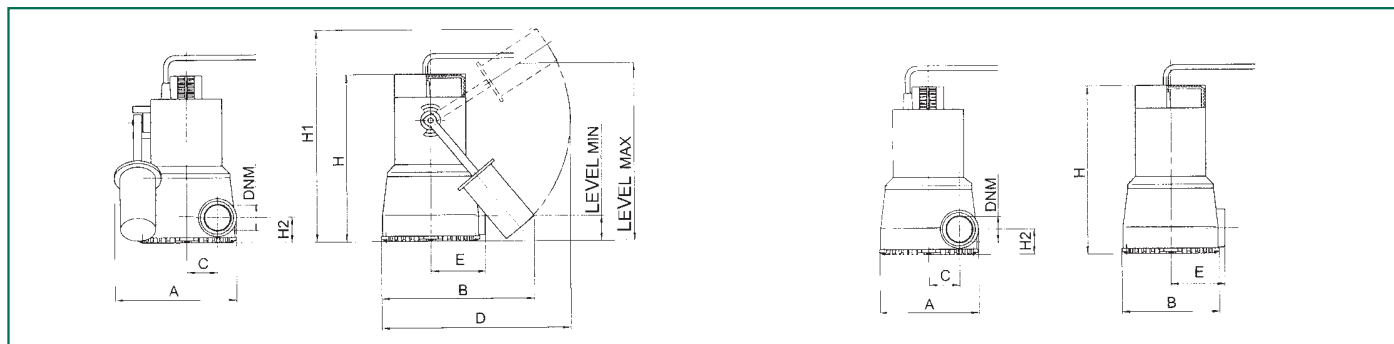
| MODEL                  | ELECTRICAL DATA  |                 |               |      |         |           | HYDRAULIC DATA |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
|------------------------|------------------|-----------------|---------------|------|---------|-----------|----------------|--------------------|------|------|-----|------|------|-----|------|-----|-----|------|------|------|-----|------|
|                        | VOLTAGE<br>50 Hz | P1<br>MAX<br>kW | P2            |      | In<br>A | CAPACITOR |                | Q<br>m³/h<br>l/min |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
|                        |                  |                 | NOMINAL<br>kW | HP   |         | μF        | Vc             |                    | 0    | 1,2  | 2,4 | 3    | 3,6  | 4,5 | 5    | 6   | 7,5 | 9    | 12   | 12,9 | 15  | 15,9 |
|                        |                  |                 |               |      |         |           |                |                    | 0    | 20   | 40  | 50   | 60   | 75  | 83,3 | 100 | 125 | 150  | 200  | 215  | 250 | 265  |
| NOVA 180 M             | 1x220-240 V~     | 0,24            | 0,22          | 0,3  | 1,1     | 8         | 450            | H<br>(m)           | 4,8  | 4,2  | 3,5 | 3,15 | 2,4  | 1,4 |      |     |     |      |      |      |     |      |
| NOVA 180 M SV *        | 1x220-240 V~     | 0,24            | 0,22          | 0,3  | 1,1     | 8         | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| NOVA 200 M-NA          | 1x220-240 V~     | 0,35            | 0,22          | 0,3  | 1,5     | 8         | 450            |                    | 6,6  | 6,5  | 5,9 | 5,2  | 5,3  | 4,6 | 4,7  | 4   | 3,2 | 2,6  | 1,4  |      |     |      |
| NOVA 200 M-NA SV *     | 1x220-240 V~     | 0,35            | 0,22          | 0,3  | 1,5     | 8         | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| NOVA 300 M-A           | 1x220-240 V~     | 0,35            | 0,22          | 0,3  | 1,5     | 8         | 450            |                    | 6,8  | 6,7  | 6   | 5,86 | 5,6  | 5,1 | 5    | 4,6 | 4   | 3,4  | 2,2  | 1,8  |     |      |
| NOVA 300 M-A SV *      | 1x220-240 V~     | 0,35            | 0,22          | 0,3  | 1,5     | 8         | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| NOVA 600 M             | 1x220-240 V~     | 0,80            | 0,55          | 0,75 | 3,4     | 14        | 450            |                    | 10,2 | 9,5  | 9,1 | 8,9  | 8,7  | 8,3 | 8,1  | 7,8 | 7,2 | 6,6  | 5    | 4,8  | 3,1 | 2,2  |
| NOVA 600 T             | 3x400 V~         | 0,80            | 0,55          | 0,75 | 1,6     | —         | —              |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| NOVA 600 M SV *        | 1x220-240 V~     | 0,80            | 0,55          | 0,75 | 3,4     | 14        | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| NOVA 600 T SV *        | 3x400 V~         | 0,80            | 0,55          | 0,75 | 1,6     | —         | —              |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| FEKA 600 M-A           | 1x220-240 V~     | 1,00            | 0,55          | 0,75 | 4,3     | 14        | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| FEKA 600 (M-T)-NA      | 3x400 V~         | 0,97            | 0,55          | 0,75 | 1,7     | —         | —              |                    |      | 7,45 | 7   | 6,6  | 6,45 | 6,3 | 6,1  | 5,9 | 5,7 | 5,35 | 4,95 | 4,1  | 3,9 | 2,8  |
| FEKA 600 M-A SV *      | 1x220-240 V~     | 1,00            | 0,55          | 0,75 | 4,3     | 14        | 450            |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |
| FEKA 600 (M-T)-NA SV * | 3x400 V~         | 0,97            | 0,55          | 0,75 | 1,7     | —         | —              |                    |      |      |     |      |      |     |      |     |     |      |      |      |     |      |

\* With special stainless steel motor shaft.

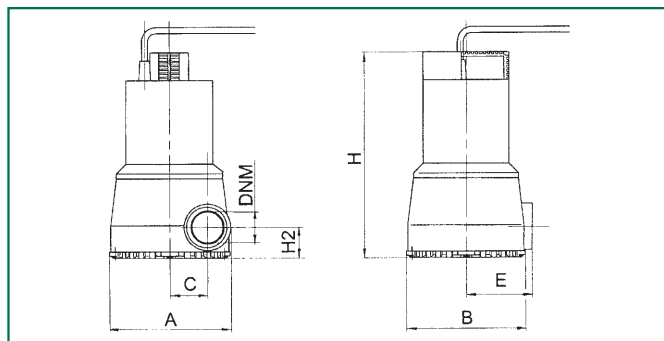


## DIMENSIONS AND WEIGHTS

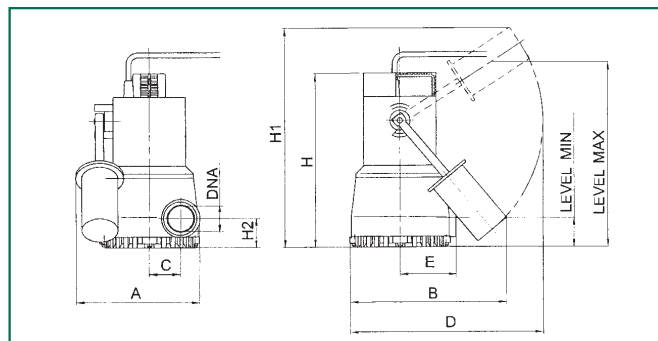
### NOVA 180



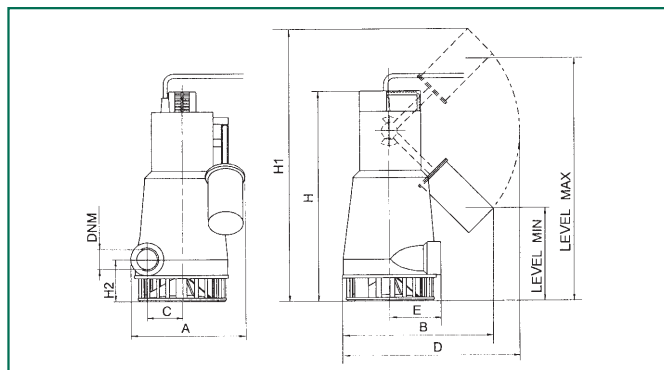
### NOVA 200



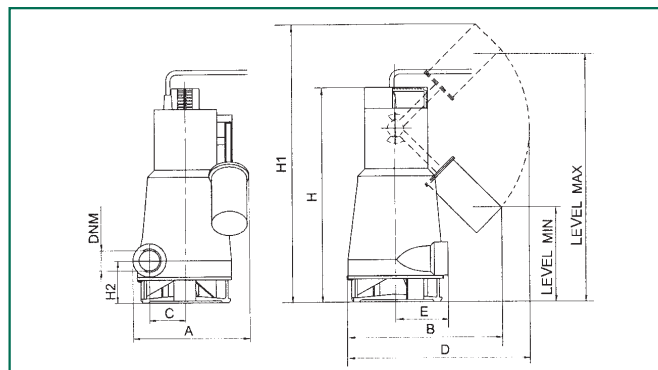
### NOVA 300



### NOVA 600



### FEKA 600



| MODEL                  | A   | B   | C  | D   | E  | H   | H1  | H2 | LEVEL MIN. | LEVEL MAX | DNM   | PACKAGING DIMENSIONS |     |     | VOLUME m <sup>3</sup> | WEIGHT Kg |
|------------------------|-----|-----|----|-----|----|-----|-----|----|------------|-----------|-------|----------------------|-----|-----|-----------------------|-----------|
|                        |     |     |    |     |    |     |     |    |            |           |       | L/A                  | L/B | H   |                       |           |
| NOVA 180 M-A           | 181 | 235 | 46 | 296 | 82 | 253 | 345 | 38 | 77         | 277       | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,6       |
| NOVA 180 M-NA          | 148 | 148 | 46 | —   | 82 | 253 | —   | 38 | —          | —         | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,5       |
| NOVA 180 M-A SV *      | 181 | 235 | 46 | 296 | 82 | 253 | 345 | 38 | 77         | 277       | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,6       |
| NOVA 180 M-NA SV *     | 148 | 148 | 46 | —   | 82 | 253 | —   | 38 | —          | —         | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,5       |
| NOVA 200 M-A           | 148 | 148 | 46 | —   | 82 | 253 | —   | 38 | —          | —         | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,5       |
| NOVA 200 M-NA SV *     | 148 | 148 | 46 | —   | 82 | 253 | —   | 38 | —          | —         | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,5       |
| NOVA 300 M-A           | 181 | 235 | 46 | 296 | 82 | 262 | 354 | 47 | 85         | 285       | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,6       |
| NOVA 300 M-A SV *      | 181 | 235 | 46 | 296 | 82 | 262 | 354 | 47 | 85         | 285       | 1/4"G | 287                  | 202 | 320 | 0,019                 | 4,6       |
| NOVA 600 M-A           | 193 | 235 | 56 | 296 | 90 | 368 | 443 | 73 | 190        | 390       | 1/4"G | 287                  | 202 | 431 | 0,025                 | 7         |
| NOVA 600 (M-T)-NA      | 162 | 167 | 56 | —   | 90 | 368 | —   | 73 | —          | —         | 1/4"G | 287                  | 202 | 431 | 0,025                 | 6,7       |
| NOVA 600 M-A SV *      | 193 | 235 | 56 | 296 | 90 | 368 | 443 | 73 | 190        | 390       | 1/4"G | 287                  | 202 | 431 | 0,025                 | 7         |
| NOVA 600 (M-T)-NA SV * | 162 | 167 | 56 | —   | 90 | 368 | —   | 73 | —          | —         | 1/4"G | 287                  | 202 | 431 | 0,025                 | 6,7       |
| FEKA 600 M-A           | 193 | 235 | 56 | 296 | 90 | 368 | 443 | 73 | 190        | 390       | 1/4"G | 287                  | 202 | 431 | 0,025                 | 7         |
| FEKA 600 (M-T)-NA      | 162 | 167 | 56 | —   | 90 | 368 | —   | 73 | —          | —         | 1/4"G | 287                  | 202 | 431 | 0,025                 | 6,7       |
| FEKA 600 M-A SV *      | 193 | 235 | 56 | 296 | 90 | 368 | 443 | 73 | 190        | 390       | 1/4"G | 287                  | 202 | 431 | 0,025                 | 7         |
| FEKA 600 (M-T)-NA SV * | 162 | 167 | 56 | —   | 90 | 368 | —   | 73 | —          | —         | 1/4"G | 287                  | 202 | 431 | 0,025                 | 6,7       |

\* With special stainless steel motor shaft.