

FEKA VS - FEKA VX

SUBMERSIBLE CENTRIFUGAL PUMPS



Submersible centrifugal pump with liquid vortex cast steel impeller (technopolymer impeller for Feka VX), suitable for pumping sewer water and waste water in general containing solids up to a maximum size of 50 mm. Handle with insulating rubber cover. AISI 316 stainless steel drive shaft. Double mechanical seal with intermediate oil chamber (atoxic oil), in carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side.

VS version: Stainless steel pump casing, seal cover, motor casing

VX version: Technopolymer pump casing with threaded metal insert into the delivery port, stainless steel seal cover, motor casing

Dry, asynchronous, sealed and cooled by the pumped liquid. Rotor mounted on greased for-life ball bearings, oversized and selected to guarantee greater noise reduction and duration. Thermo-amperometric protection as standard for single-phase version, and the user's responsibility for the three-phase version. Constantly active capacitor on the single-phase version. Construction in accordance with the IEC 2-3 IEC 61-69 (EN 60335-2-41) standards.

Motor protection class: IP 68

Insulation class: F

Standard voltage: 220-240V 50Hz Single-phase

400V 50Hz Three-phase

Continual running with liquid at 35 °C and pump completely submerged. The single-phase version can be supplied with float for automatic function. Power supply cable: 10 metres of H07RN-F cable with Shuko plug for the single-phase version and 10 metres of H07RN-F cable for the three-phase version.

Operating range: from 0 to 32 m³/h with head up to 14 metres

Pumped liquid: sewer water and waste water in general and non aggressive.

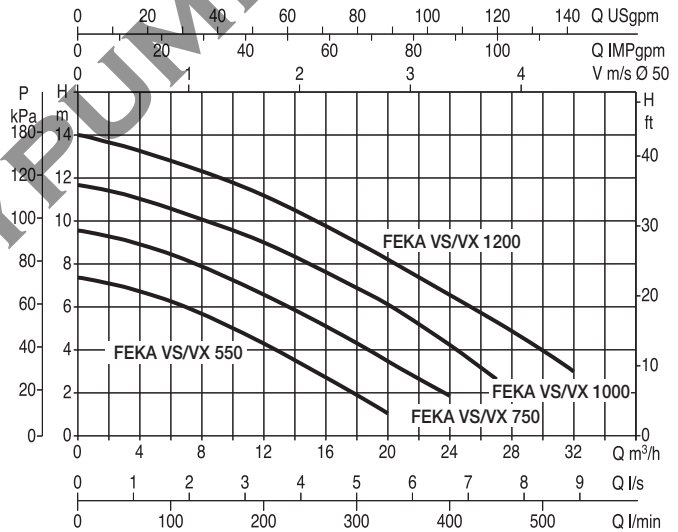
Liquid temperature range: from 0°C to +35°C for household use (EN 60335-2-41), from 0°C to +50°C for other uses

Maximum ambient temperature for pump running with submerged motor: +40°C

Maximum immersion depth: 10 metres

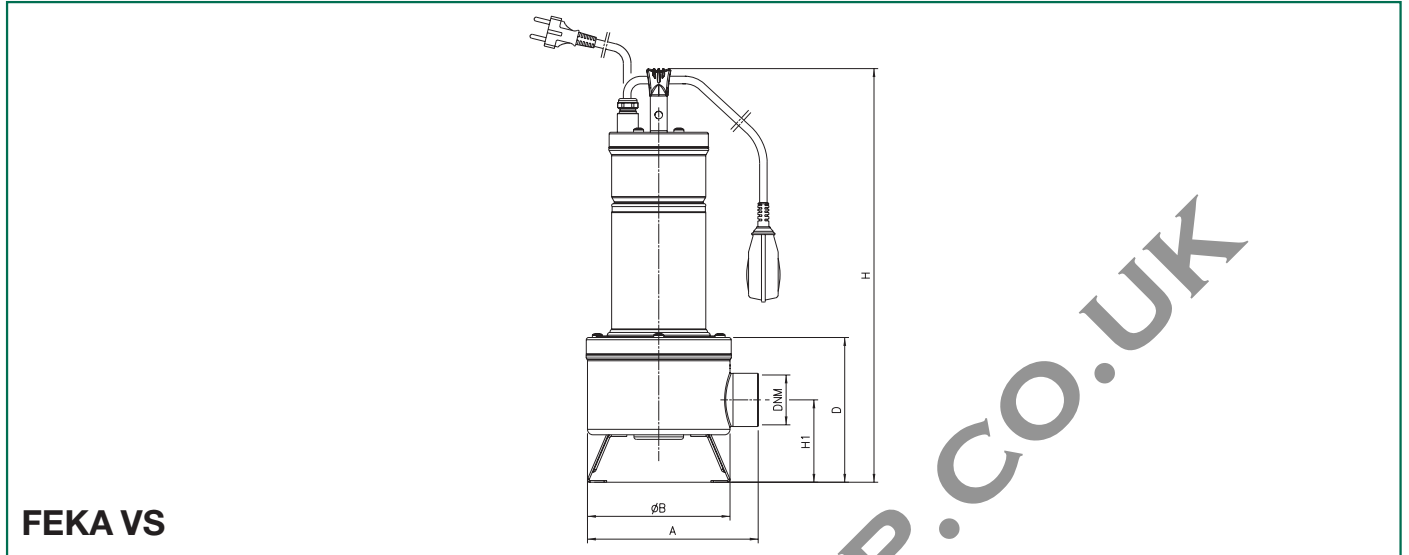
Installation: fixed or portable, vertical.

ELECTRICAL AND HYDRAULIC DATA

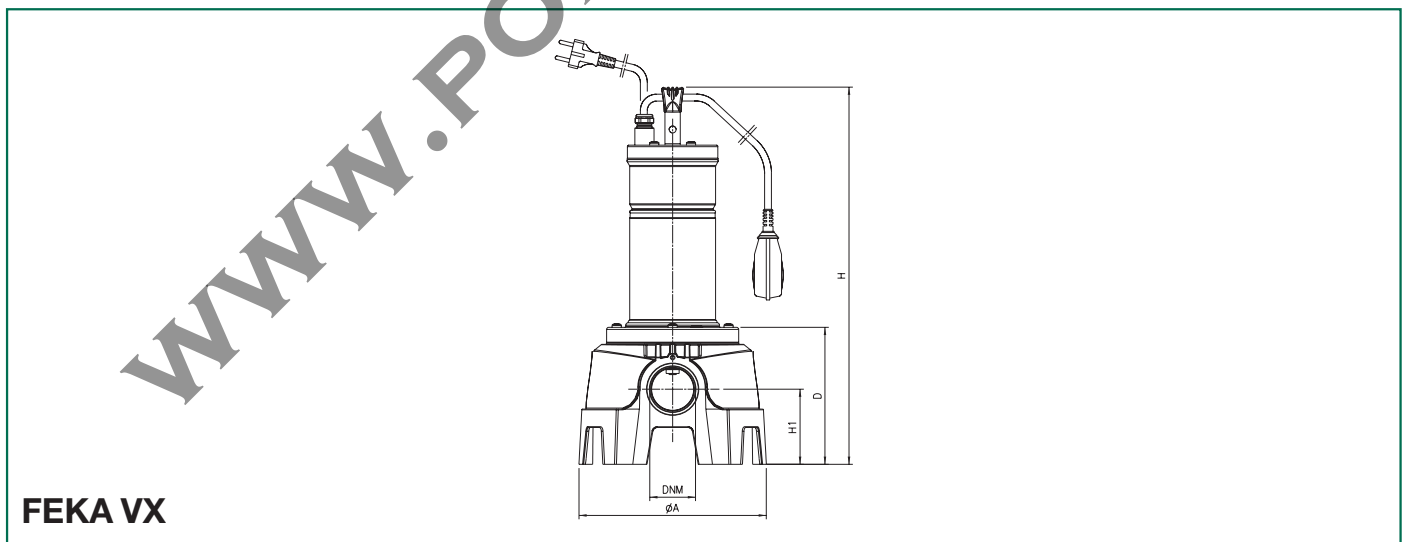


| MODEL | VOLTAGE 50 HZ | ELECTRICAL DATA | | | | | | HYDRAULIC DATA (N=2800 1/min) | | | | | | | | | | | | | | | | | |
|----------------------|------------------|-----------------|------------|------|---------------------|-----------------|-----|-------------------------------|------|------|------|------|-----|-----|-----|-----|----|----------|----------|------|------|------|------|---|---|
| | | P1 max W | P2 Nominal | | I _n A | CAPACITOR µF | VC | H (m) | | | | | | | | | | | | | | | | | |
| | | | kW | HP | | | | m³/h | 0 | 3 | 6 | 12 | 18 | 20 | 24 | 27 | 32 | | | | | | | | |
| FEKA VS/VX 550 M-NA | 1x220-240 V~ | 927 | 0,55 | 0,75 | 4,2 | 20 | 450 | H (m) | 7,4 | 6,9 | 6,2 | 4,1 | 1,8 | 1,2 | - | - | - | | | | | | | | |
| FEKA VS/VX 550 M-A | | | | | | | | | | | | | | | | | | 3x400 V~ | 900 | 0,55 | 0,75 | 1,64 | - | - | |
| FEKA VS/VX 550 T-NA | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEKA VS/VX 750 M-NA | 1x220-240 V~ | 1111 | 0,75 | 1 | 5,13 | 20 | 450 | | 9,6 | 9,2 | 8,5 | 6,7 | 4,3 | 3,5 | 1,9 | - | - | - | | | | | | | |
| FEKA VS/VX 750 M-A | | | | | | | | | | | | | | | | | | | 3x400 V~ | 1038 | 0,75 | 1 | 1,94 | - | - |
| FEKA VS/VX 750 T-NA | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEKA VS/VX 1000 M-NA | 1x220-240 V~ | 1469 | 1 | 1,36 | 6,63 | 25 | 450 | | 11,8 | 11,3 | 10,5 | 9 | 6,8 | 6 | 4,1 | 2,7 | - | - | | | | | | | |
| FEKA VS/VX 1000 M-A | | | | | | | | | | | | | | | | | | | 3x400 V~ | 1374 | 1 | 1,36 | 2,51 | - | - |
| FEKA VS/VX 1000 T-NA | | | | | | | | | | | | | | | | | | | | | | | | | |
| FEKA VS/VX 1200 M-NA | 1x220-240 V~ | 1936 | 1,2 | 1,6 | 8,63 | 30 | 450 | | 14 | 13,4 | 12,8 | 11,2 | 9 | 8,3 | 6,7 | 5,3 | 3 | - | | | | | | | |
| FEKA VS/VX 1200 M-A | | | | | | | | | | | | | | | | | | | 3x400 V~ | 1865 | 1,2 | 1,6 | 3,44 | - | - |
| FEKA VS/VX 1200 T-NA | | | | | | | | | | | | | | | | | | | | | | | | | |

DIMENSIONS AND WEIGHT



| MODEL | A | B | D | H | H1 | Ø DNM | PACKAGING DIM. | | | VOL m ³ | WEIGHT Kg |
|---------------------|-----|-----|-----|-----|----|-------|----------------|-----|-----|--------------------|-----------|
| | | | | | | | L/A | L/B | H | | |
| FEKA VS 550 | 203 | 170 | 172 | 492 | 98 | 2"F | 240 | 600 | 240 | 0,034 | 16,3 |
| FEKA VS 750 | 203 | 170 | 172 | 492 | 98 | 2"F | 240 | 600 | 240 | 0,034 | 17,5 |
| FEKA VS 1000 | 203 | 170 | 172 | 537 | 98 | 2"F | 240 | 600 | 240 | 0,034 | 19,3 |
| FEKA VS 1200 | 203 | 170 | 172 | 537 | 98 | 2"F | 240 | 600 | 240 | 0,034 | 20,8 |



| MODEL | A | D | H | H1 | Ø DNM | PACKAGING DIM. | | | VOL m ³ | WEIGHT Kg |
|---------------------|-----|-----|-----|----|-------|----------------|-----|-----|--------------------|-----------|
| | | | | | | L/A | L/B | H | | |
| FEKA VX 550 | 245 | 179 | 498 | 98 | 2"F | 360 | 600 | 320 | 0,069 | 16,7 |
| FEKA VX 750 | 245 | 179 | 498 | 98 | 2"F | 360 | 600 | 320 | 0,069 | 17,9 |
| FEKA VX 1000 | 245 | 179 | 543 | 98 | 2"F | 360 | 600 | 320 | 0,069 | 19,6 |
| FEKA VX 1200 | 245 | 179 | 543 | 98 | 2"F | 360 | 600 | 320 | 0,069 | 21,1 |