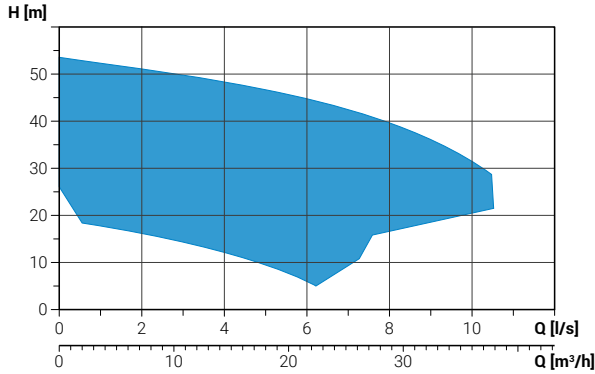


High head impeller

Operating ranges



Range characteristics

| | |
|----------------------|-----------------------|
| Motor power | 1.1 ÷ 7.5 kW |
| Poles | 2 |
| Insulation class | H |
| Degree of protection | IP68 |
| Discharge vertical | - |
| Discharge horizontal | G1 ½" DN32 - G2" DN32 |
| Free passage | max 10 mm |
| Max flow rate | 10.5 l/s |
| Max head | 52.0 m |

Motor

Ecological dry motor with thermal protections.

Cable

S1RN8-F electric cable. Standard version 10 m cable length.

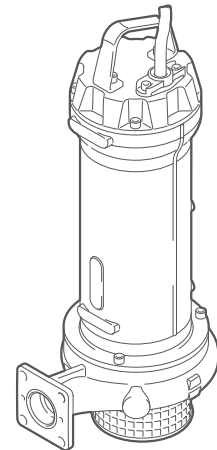
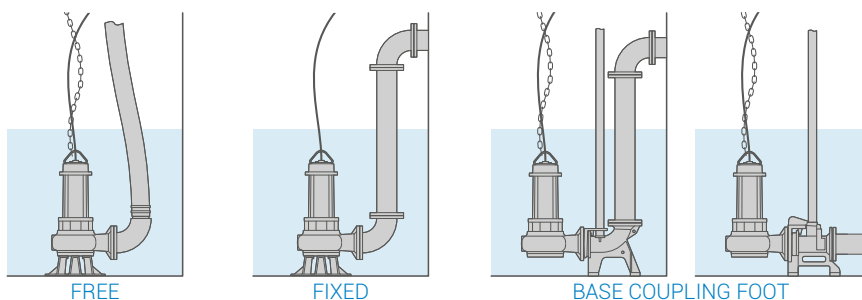
Mechanical seals

Two silicon carbide (SiC) mechanical seals in oil sump.

Applications

The considerable manometric head guarantees excellent results for the creation of water features and decorative fountains; suitable for use in agriculture, irrigation and the fish processing sector.

Installations



Versions

| | |
|---------------------|---------|
| Electrical variants | NAE, TS |
| Cooling system | N |
| Mechanical seals | 2SIC |

Operating specifications

| | |
|----------------------------|----------|
| Max operating temperature | 40 °C |
| PH of treated fluid | 6 ÷ 14 |
| Viscosity of treated fluid | 1 mm²/s |
| Maximum immersion depth | 20 m |
| Density of treated fluid | 1 Kg/dm³ |
| Acoustic pressure max | <70dB |
| Max starts per hour | 30 |

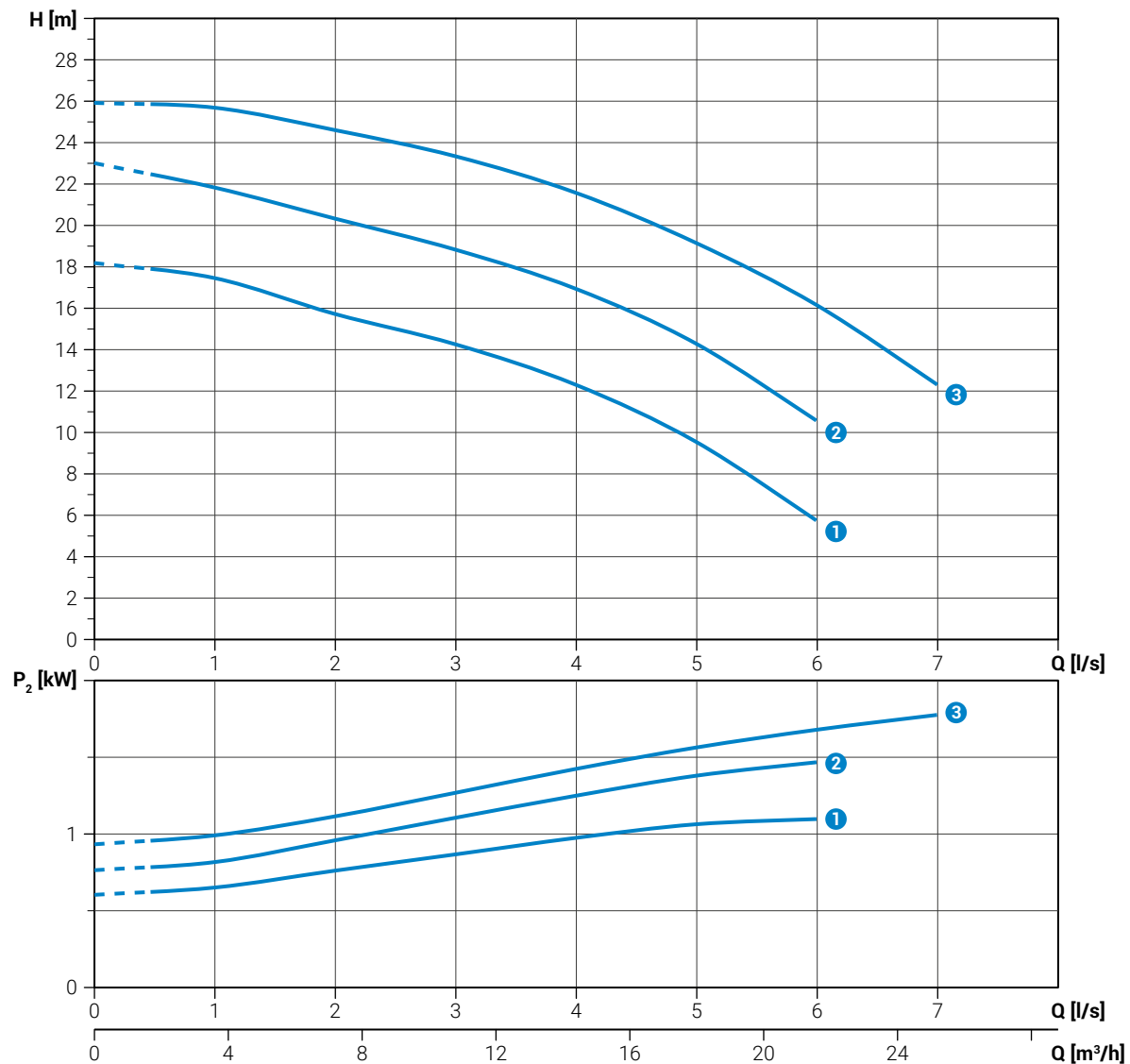
Construction materials

| | |
|-----------------|--|
| Case | Cast iron EN-GJL 250 |
| Hydraulic parts | Cast iron EN-GJL 250 |
| Impeller | Cast iron EN-GJL 250 |
| Nuts and bolts | Stainless steel - Class A2-70 |
| Standard gasket | Rubber - NBR |
| Shaft | Stainless steel - AISI 431 |
| Paint type | Ecological bicomponent epoxy (~200 µm) |
| Cutter | - |
| Strainer | Stainless steel - AISI 304 |




APG 150÷250/2/G40H

Performances

| | l/s | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|----------------------|------|------|------|------|------|------|------|------|
| | l/min | 0 | 60 | 120 | 180 | 240 | 300 | 360 | 420 |
| | m ³ /h | 0 | 3.6 | 7.2 | 10.8 | 14.4 | 18 | 21.6 | 25.2 |
| ① | APG 150/2/G40H B3AT5 | 18.2 | 17.5 | 15.7 | 14.3 | 12.3 | 9.5 | 5.7 | |
| ② | APG 200/2/G40H B3AT5 | 23.0 | 21.8 | 20.3 | 18.8 | 16.9 | 14.3 | 10.6 | |
| ③ | APG 250/2/G40H A0AT5 | 25.9 | 25.7 | 24.6 | 23.3 | 21.6 | 19.2 | 16.2 | 12.3 |



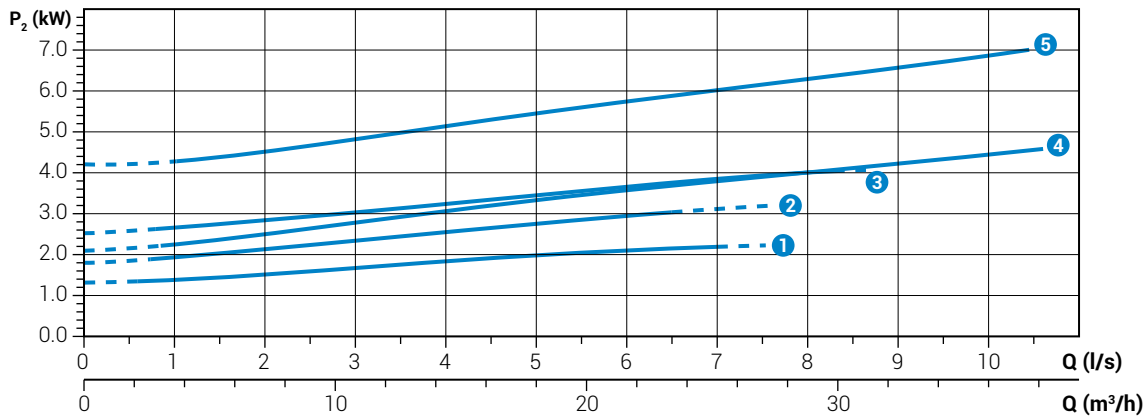
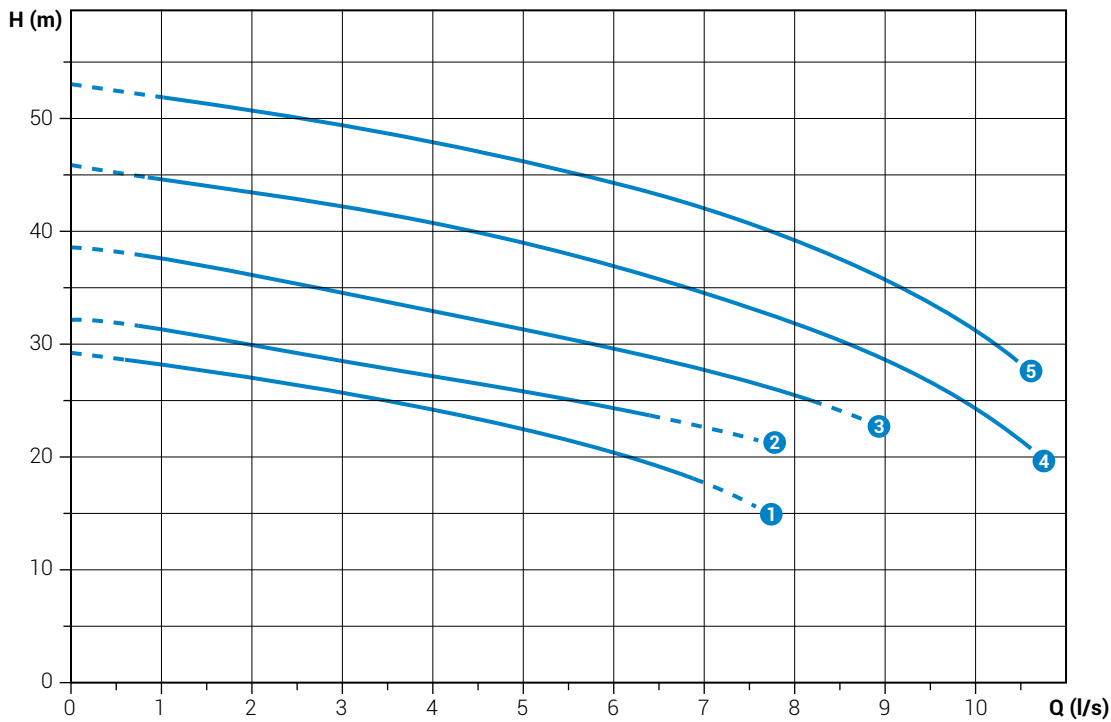
Technical data

| | V | 1~ 3~ | P ₁ [kW] | P ₂ [kW] | A | Rpm | DOL Y/Δ |  |  |  | |
|---|----------------------|----------|---------------------|---------------------|-----|-----|------------|---|---|---|-------|
| ① | APG 150/2/G40H B3AT5 | 400 | 3~ | 1.3 | 1.1 | 2.4 | 2900 | DOL | 4G1.5+3x1 | G1"½ DN32 | 7 mm |
| ② | APG 200/2/G40H B3AT5 | 400 | 3~ | 1.8 | 1.5 | 3.2 | 2900 | DOL | 4G1.5+3x1 | G1"½ DN32 | 7 mm |
| ③ | APG 250/2/G40H A0AT5 | 400 | 3~ | 2.2 | 1.8 | 3.7 | 2900 | DOL | 4G1 | G1"½ DN32 | 10 mm |

APG 300÷1000/2/G50H

Performances

| | l/s | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|-----------------------|------|------|------|------|------|------|------|------|------|------|------|
| | l/min | 0 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 |
| | m ³ /h | 0 | 3.6 | 7.2 | 10.8 | 14.4 | 18 | 21.6 | 25.2 | 28.8 | 32.4 | 36 |
| ① | APG 300/2/G50H C0ET5 | 29.2 | 28.2 | 27.0 | 25.6 | 24.1 | 22.5 | 20.4 | 17.6 | | | |
| ② | APG 400/2/G50H D0ET5 | 32.2 | 31.4 | 29.9 | 28.5 | 27.2 | 25.9 | 24.4 | | | | |
| ③ | APG 550/2/G50H D0FT5 | 38.6 | 37.6 | 36.1 | 34.5 | 32.9 | 31.3 | 29.6 | 27.7 | 25.4 | | |
| ④ | APG 750/2/G50H A0FT5 | 45.8 | 44.5 | 43.5 | 42.2 | 40.7 | 38.9 | 36.8 | 34.5 | 31.8 | 28.6 | 24.2 |
| ⑤ | APG 1000/2/G50H A0FT5 | 53.0 | 51.8 | 50.7 | 49.4 | 48.0 | 46.3 | 44.3 | 42.0 | 39.2 | 35.8 | 31.2 |



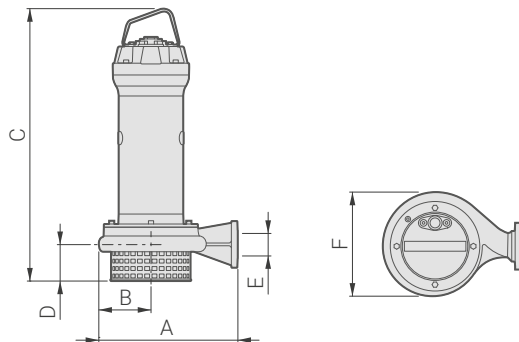
Characteristic curves according to UNI EN ISO 9906



Technical data

| | V | 1~ 3~ | P ₁ [kW] | P ₂ [kW] | A | Rpm | DOL Y/Δ | | | | |
|---|-----------------------|----------|---------------------|---------------------|-----|------|------------|-----|-----------|----------|-------|
| ① | APG 300/2/G50H C0ET5 | 400 | 3~ | 2.8 | 2.2 | 4.6 | 2900 | DOL | 4G1.5+3x1 | G2" DN32 | 8 mm |
| ② | APG 400/2/G50H D0ET5 | 400 | 3~ | 3.7 | 3.0 | 6.4 | 2900 | DOL | 4G1.5+3x1 | G2" DN32 | 8 mm |
| ③ | APG 550/2/G50H D0FT5 | 400 | 3~ | 4.7 | 4.0 | 7.7 | 2900 | DOL | 4G1.5+3x1 | G2" DN32 | 8 mm |
| ④ | APG 750/2/G50H A0FT5 | 400 | 3~ | 6.3 | 5.5 | 10.8 | 2900 | DOL | 4G1.5+3x1 | G2" DN32 | 10 mm |
| ⑤ | APG 1000/2/G50H A0FT5 | 400 | 3~ | 8.5 | 7.5 | 13.7 | 2900 | DOL | 4G1.5+3x1 | G2" DN32 | 10 mm |

APG

Overall dimensions and weights



| | A | B | C | D | E | F |  |  |
|-----------------------|-----|-----|-----|----|------|-----|---|---|
| APG 150/2/G40H B3AT5 | 267 | 107 | 525 | 78 | G1"½ | 215 | DN32 PN6 | 31.5 |
| APG 200/2/G40H B3AT5 | 267 | 107 | 525 | 78 | G1"½ | 215 | DN32 PN6 | 32.0 |
| APG 250/2/G40H A0AT5 | 267 | 107 | 523 | 78 | G1"½ | 215 | DN32 PN6 | 32.0 |
| APG 300/2/G50H C0ET5 | 305 | 110 | 550 | 79 | G2" | 225 | DN32 PN6 | 43.2 |
| APG 400/2/G50H D0ET5 | 352 | 132 | 613 | 76 | G2" | 263 | DN32 PN6 | 46.0 |
| APG 550/2/G50H D0FT5 | 352 | 132 | 670 | 76 | G2" | 263 | DN32 PN6 | 57.6 |
| APG 750/2/G50H A0FT5 | 352 | 128 | 669 | 76 | G2" | 263 | DN32 PN6 | 60.3 |
| APG 1000/2/G50H A0FT5 | 352 | 128 | 744 | 76 | G2" | 263 | DN32 PN6 | 68.2 |

Dimensions in mm

Packaging dimension



| | X | Y | Z |
|-----------------------|-----|-----|-----|
| APG 150/2/G40H B3AT5 | 310 | 580 | 310 |
| APG 200/2/G40H B3AT5 | 310 | 580 | 310 |
| APG 250/2/G40H A0AT5 | 310 | 580 | 310 |
| APG 300/2/G50H C0ET5 | 445 | 725 | 425 |
| APG 400/2/G50H D0ET5 | 445 | 725 | 425 |
| APG 550/2/G50H D0FT5 | 445 | 725 | 425 |
| APG 750/2/G50H A0FT5 | 445 | 725 | 425 |
| APG 1000/2/G50H A0FT5 | 535 | 915 | 560 |

Dimensions in mm