

New challenges in high pressurisation



Multinox

Versatile high-performance
pressurisation



Multinox, the high-performance pressurisation



Drinking water for homes/industries/services

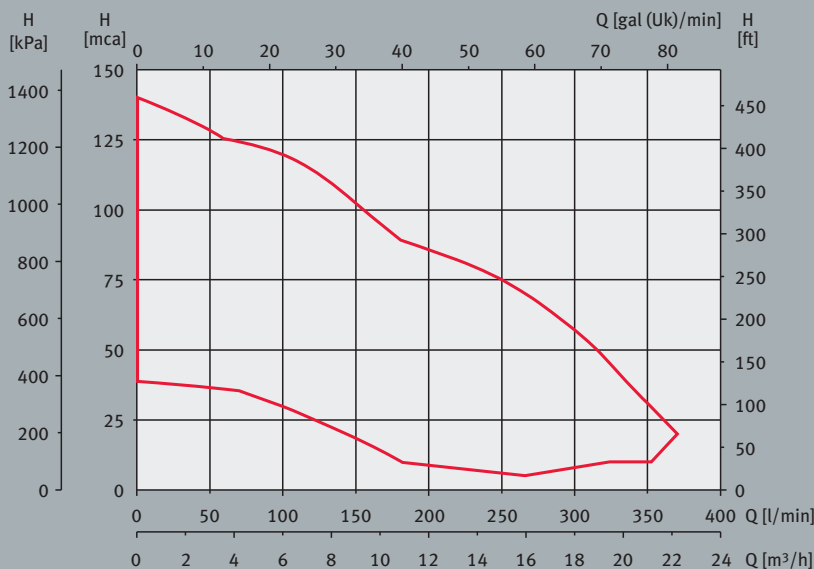
Multinox, the ultimate expression in quality, technology and functionality

Following the latest studies and tests conducted by our R+D department, we have launched the Multinox Series, the most advanced, latest-generation pressurisation pump range.

Multinox is an innovative concept in pressurisation pumps that adds highly relevant competitive advantages for both installers and end users:

- » **High-quality construction** using noble materials with great resistance to wear and tear.
- » **High performance**, with simple and robust hydraulic technology optimised by motors with proven efficiency and durability.
- » **Easy to install**, thanks to its compact, streamlined design.
- » **Silent, smooth operation**, ideal for applications in highly-representative locations.
- » **Great versatility**, with three ranges that allow all pressurisation needs to be covered in facilities of all types and sizes.

Field of application → Multinox



Multinox 35/45/55

Multinox 35/45/55 → Technical characteristics

Description

→ Quite running vertical multi-stage monoblock in-line pumps. Supplied with flanges in AISI 304 stainless steel. Counterflanges in option: CBR OV 11/2" PN6 kit for **Multinox 35/45** 3, 4, 5, 6; CBR DN 40 PN16 kit for **Multinox 35/45** 7, 8, 9, 10 and CBR DN 50 PN16 kit for **Multinox 55**.

Materials

- Sleeve, impellers and seal support in AISI 304 stainless steel.
- Motor shaft in AISI 303 stainless steel.
- Diffusers in tecnopolimer.
- Flanges, suction and impeller support in AISI 304 stainless steel.
- Mechanical seal in graphite/silicon carbide.
- Motor housing made of aluminium.
- Joints made of EPDM.
- With air bleed valve made of AISI 303 stainless steel.
- Pump base made of cast iron with Epoxy coating.

Electrical and engine characteristics

- Asynchronous, two-pole.
- IP 55 protection.
- Class F insulation.
- Continuous operation.
- Water temperature 4 - 35° C.
- Room temperature -10° C + 50° C.
- Relative air humidity 95% maximum.



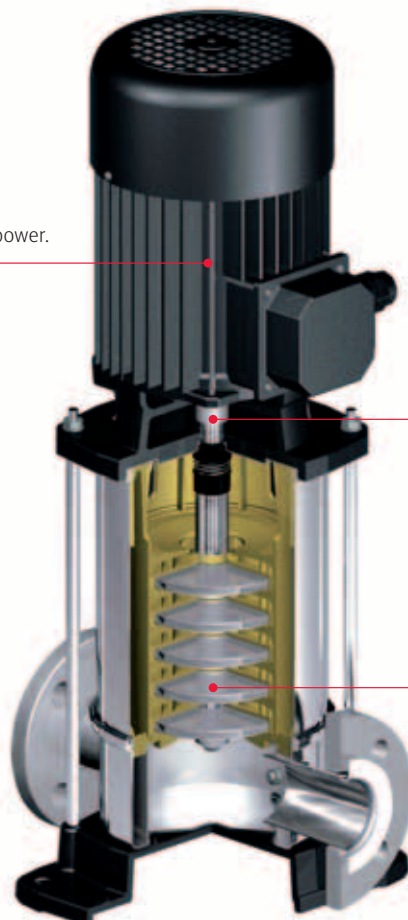
Multinox 35/45/55 → Technology

External ventilation closed motor designed to supply the required power.

Special mechanical seal design to work at the pressure.

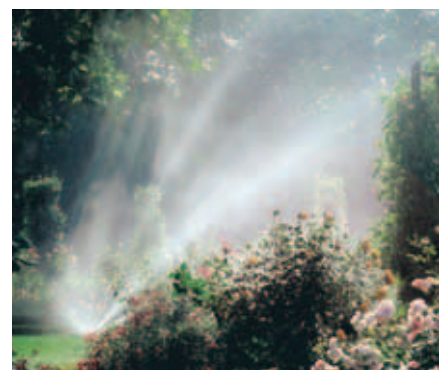
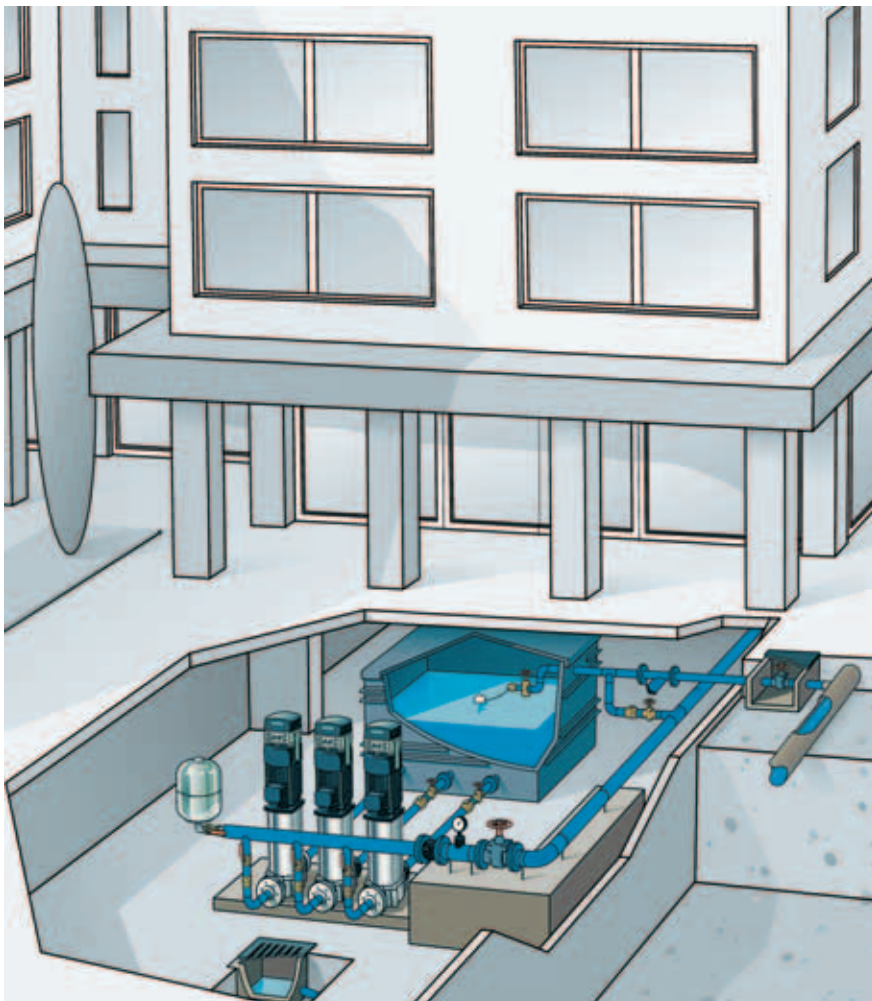
Flanges in accordance with DIN 2566 standard

High efficiency impellers designed to supply high pressure.



The most versatile range

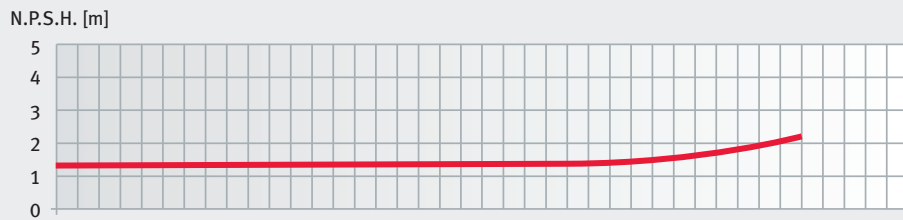
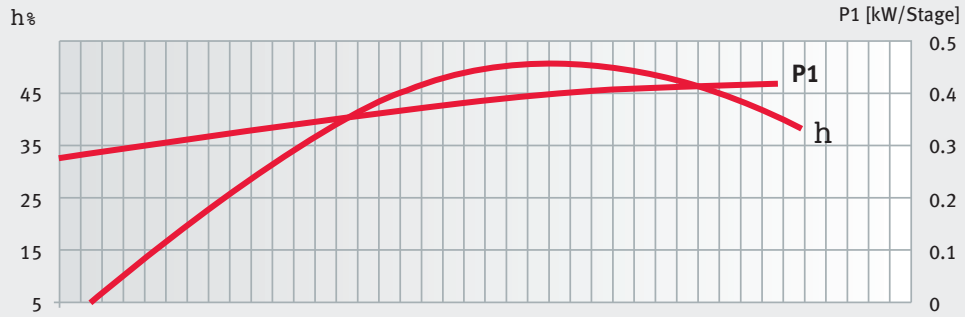
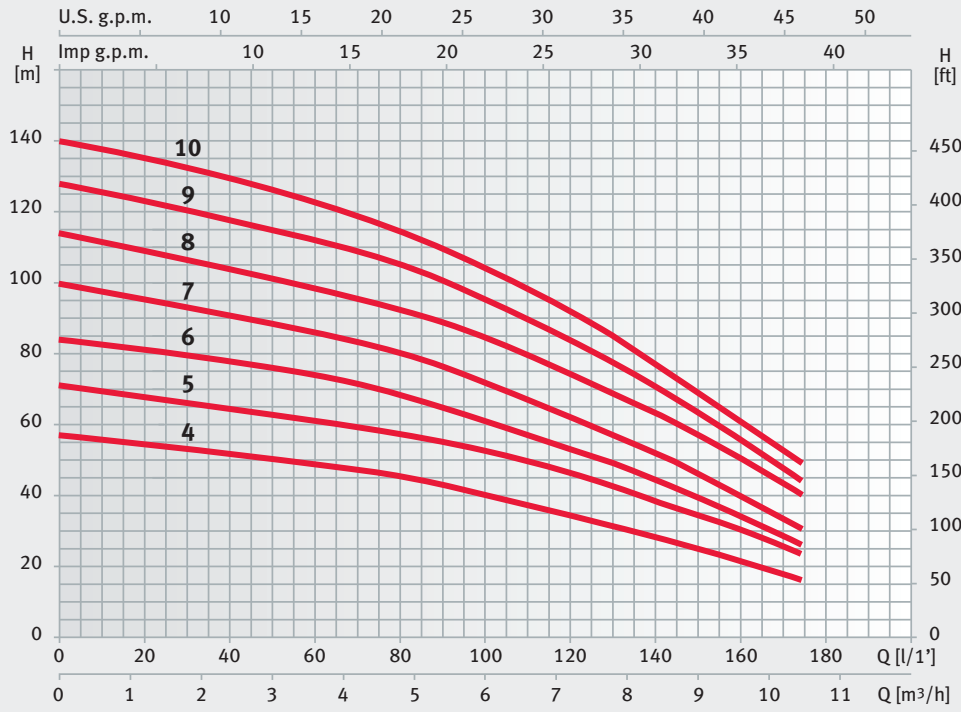
- **Homes:** apartment buildings, residential complexes, residential estates, corporate buildings...
- **Sports facilities:** golf courses, pavilions, sports clubs...
- **Healthcare centres:** hospitals, clinics, retirement homes...
- **Hotels and restaurants:** hotel complexes, restaurants, coffee shops, self-service establishments...
- **Irrigation:** garden centres, greenhouses, farming, landscaping...
- **Institutional facilities:** corporate buildings, town halls, libraries, museums...
- **Industrial facilities:** supply lines, supplies...



ESPA. Pressurisation systems

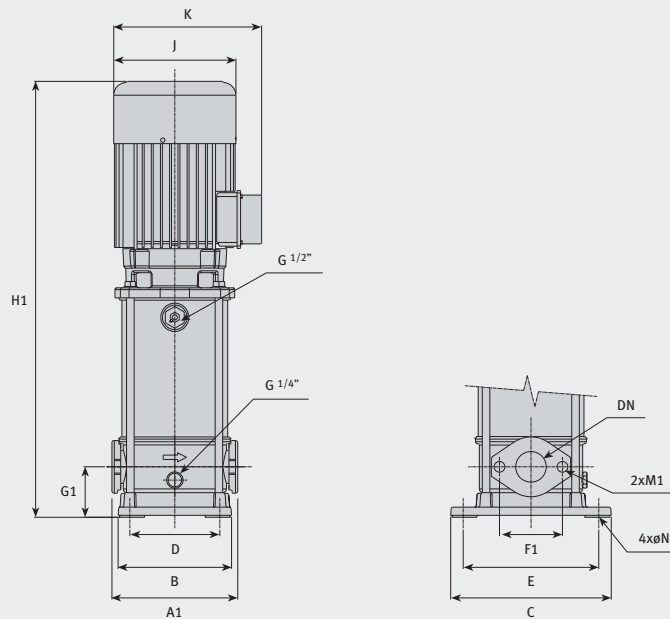
- **Multinox 55** pumps with speed changers.

Multinox 35 → Electrical and hydraulic characteristics



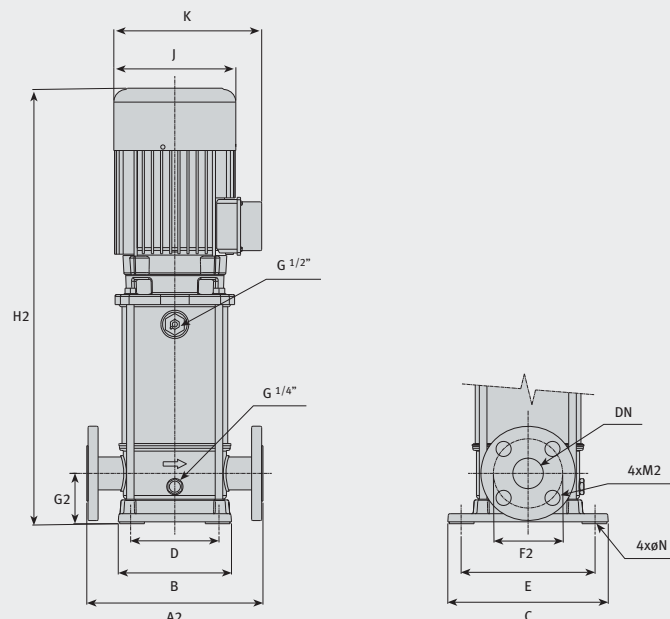
| 230 V 50 Hz | 230/400 V 50 Hz | P1 (kW) | | A | | P2 | | μF | L/1' | Q [l/1'] | | | | | | | |
|----------------|--------------------|---------|-----|-------------|---------------------|-----|-----|----|------|----------|-----|-----|-----|-----|-----|----|------|
| | | 1~ | 3~ | 1~ 230 V | 3~ 230 V 400 V | kW | HP | | | 0,6 | 1,8 | 3 | 4,8 | 6 | 7,8 | 9 | 10,2 |
| Multinox 35 4M | Multinox 35 4 | 2 | 1,8 | 9 | 3,7 3,7 | 1,5 | 2 | - | | 56 | 54 | 50 | 45 | 40 | 31 | 25 | 17 |
| - | Multinox 35 5 | - | 2,4 | - | 8 4,6 | 2 | 3 | - | | 70 | 66 | 63 | 57 | 53 | 43 | 35 | 25 |
| - | Multinox 35 6 | - | 2,7 | - | 8 4,6 | 2 | 3 | - | | 83 | 80 | 76 | 68 | 61 | 49 | 40 | 28 |
| - | Multinox 35 7 | - | 3 | - | 8,6 5 | 2 | 3 | - | | 97 | 93 | 88 | 80 | 72 | 57 | 46 | 33 |
| - | Multinox 35 8 | - | 3,8 | - | 11,2 6,5 | 3 | 4 | - | | 112 | 106 | 101 | 92 | 85 | 69 | 57 | 43 |
| - | Multinox 35 9 | - | 4,3 | - | 14,5 8,4 | 4 | 5,5 | - | | 125 | 120 | 115 | 105 | 95 | 77 | 63 | 47 |
| - | Multinox 35 10 | - | 4,6 | - | 15,4 8,9 | 4 | 5,5 | - | | 138 | 132 | 126 | 115 | 104 | 85 | 69 | 53 |

Multinox 35 3, 4, 5, 6 with oval flange



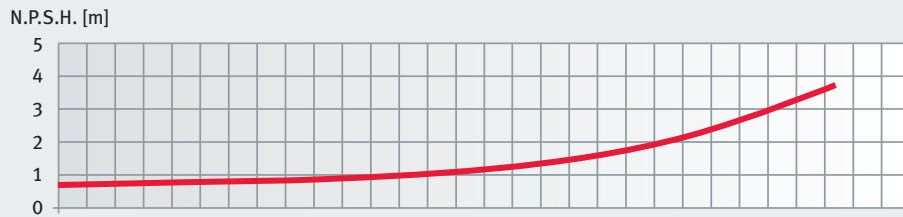
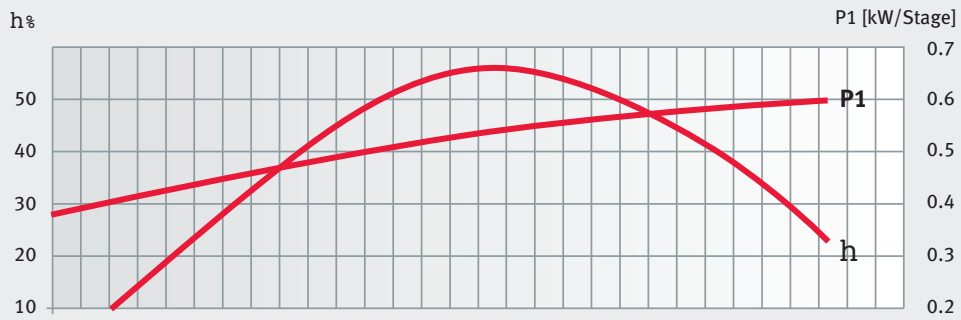
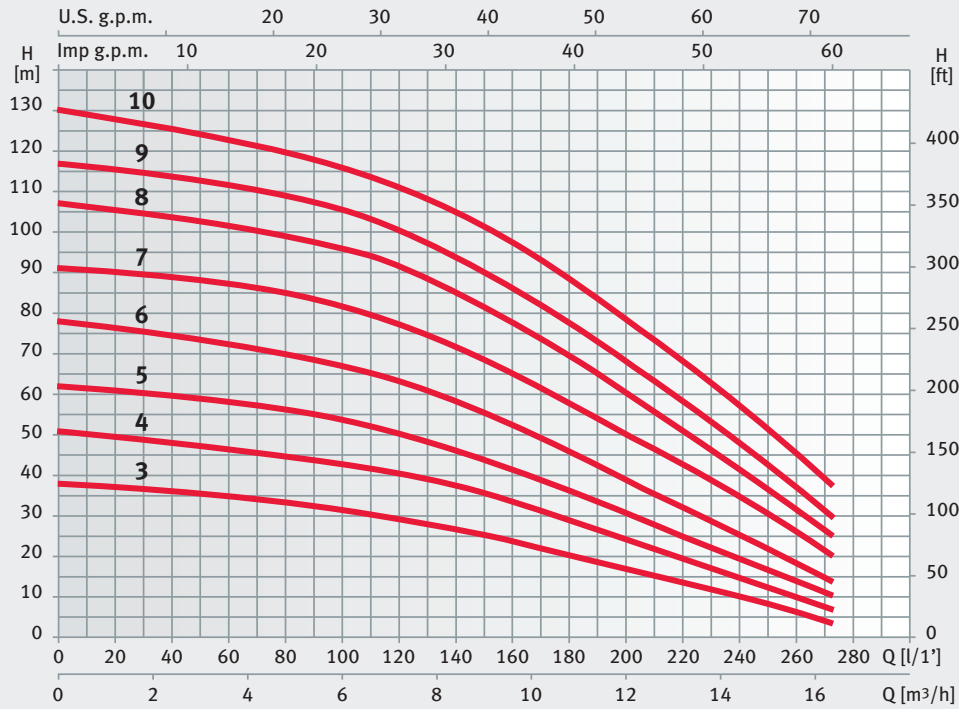
| | A1 | B | C | D | E | F1 | G1 | H1 | J | K | DN | M1 | ØN | Motor | Kg |
|-----------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|--------|------|
| Multinox 35 4M | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 556 | 156 | 200 | 40 | M12x30 | 13 | IEC 80 | 29,3 |
| Multinox 35 4 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 598 | 176 | 250 | 40 | M12x30 | 13 | IEC 90 | 33,2 |
| Multinox 35 5 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 623 | 176 | 215 | 40 | M12x30 | 13 | IEC 90 | 33,6 |
| Multinox 35 6 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 647 | 176 | 215 | 40 | M12x30 | 13 | IEC 90 | 36,4 |

Multinox 35 7, 8, 9, 10 with flange DIN 2566



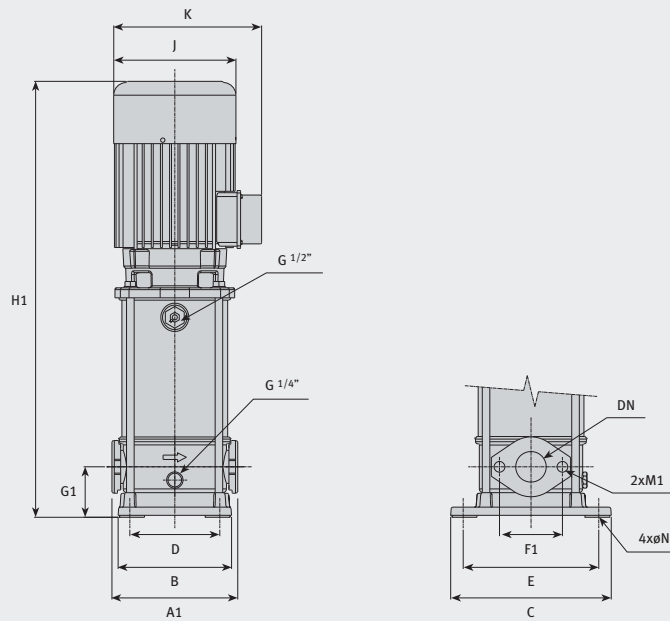
| | A2 | B | C | D | E | F2 | G2 | H2 | J | K | DN | M2 | ØN | Motor | Kg |
|-----------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|---------|------|
| Multinox 35 7 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 672 | 176 | 215 | 40 | M16x60 | 13 | IEC 90 | 37,2 |
| Multinox 35 8 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 726 | 194 | 235 | 40 | M16x60 | 13 | IEC 100 | 41,8 |
| Multinox 35 9 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 751 | 194 | 235 | 40 | M16x60 | 13 | IEC 100 | 45,4 |
| Multinox 35 10 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 775 | 194 | 235 | 40 | M16x60 | 13 | IEC 100 | 46,2 |

Multinox 45 → Electrical and hydraulic characteristics



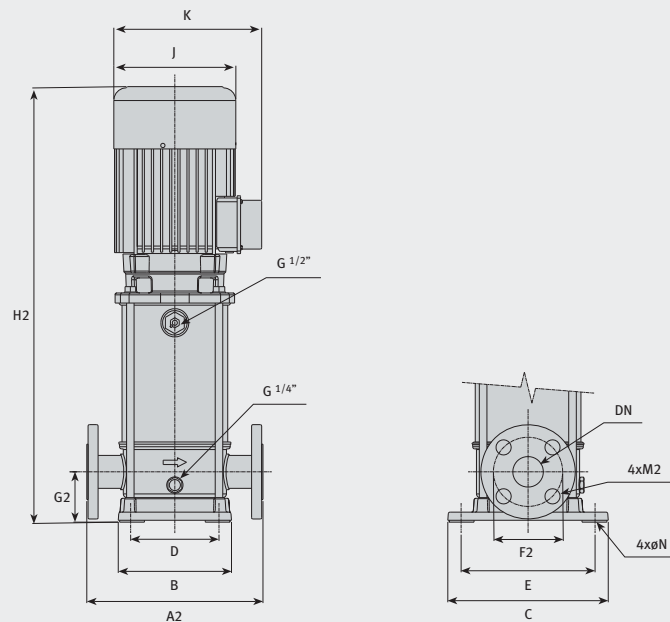
| 230 V 50 Hz | 230/400 V 50 Hz | P1 (kW) | | A | | P2 | | μF | L/1' | Q [m³/h] | | | | | | | |
|----------------|--------------------|---------|-----|-------------|---------------------|------|-----|-----|------|----------|-----|-----|-----|-----|-----|-----|-----|
| | | 1~ | 3~ | 1~ 230 V | 3~ 230 V / 400 V | kW | HP | | | 10 | 40 | 80 | 120 | 160 | 200 | 240 | 270 |
| Multinox 45 3M | Multinox 45 3 | 1,9 | 1,9 | 8,4 | 6,4 | 3,7 | 1,1 | 1,5 | 25 | 38 | 36 | 33 | 29 | 24 | 17 | 10 | 4 |
| Multinox 45 4M | Multinox 45 4 | 2,4 | 2,4 | 10,5 | 8,1 | 4,1 | 1,5 | 2 | 40 | 50 | 48 | 45 | 40 | 33 | 24 | 15 | 7 |
| - | Multinox 45 5 | - | 2,8 | - | 8,1 | 4,1 | 2 | 3 | - | 62 | 60 | 56 | 50 | 41 | 30 | 20 | 11 |
| - | Multinox 45 6 | - | 3,7 | - | 11,2 | 6,5 | 3 | 4 | - | 77 | 75 | 70 | 63 | 52 | 39 | 25 | 15 |
| - | Multinox 45 7 | - | 4,3 | - | 14,5 | 8,4 | 4 | 5,5 | - | 91 | 88 | 85 | 77 | 65 | 50 | 35 | 21 |
| - | Multinox 45 8 | - | 5,1 | - | 15 | 8,7 | 5 | 7,5 | - | 106 | 103 | 99 | 92 | 77 | 60 | 41 | 26 |
| - | Multinox 45 9 | - | 5,6 | - | 16,3 | 9,4 | 5 | 7,5 | - | 116 | 113 | 109 | 100 | 86 | 68 | 47 | 31 |
| - | Multinox 45 10 | - | 6,2 | - | 18 | 10,4 | 5 | 7,5 | - | 129 | 125 | 120 | 111 | 97 | 78 | 57 | 39 |

Multinox 45 3, 4, 5, 6 with oval flange



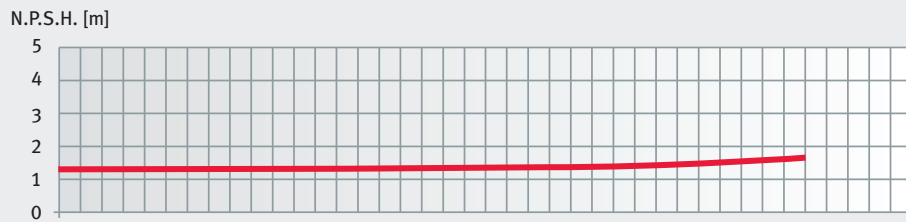
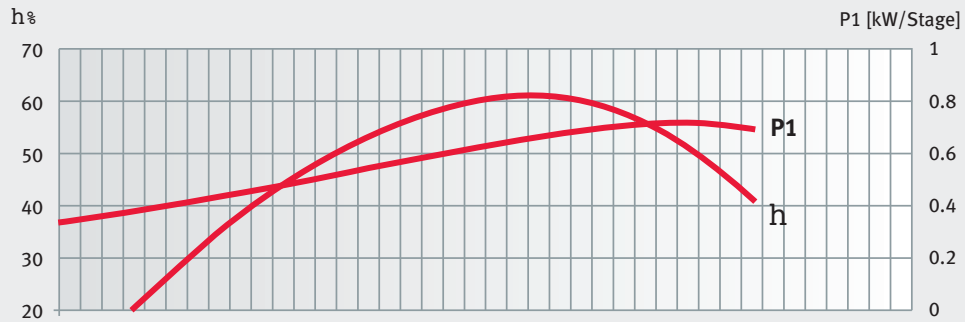
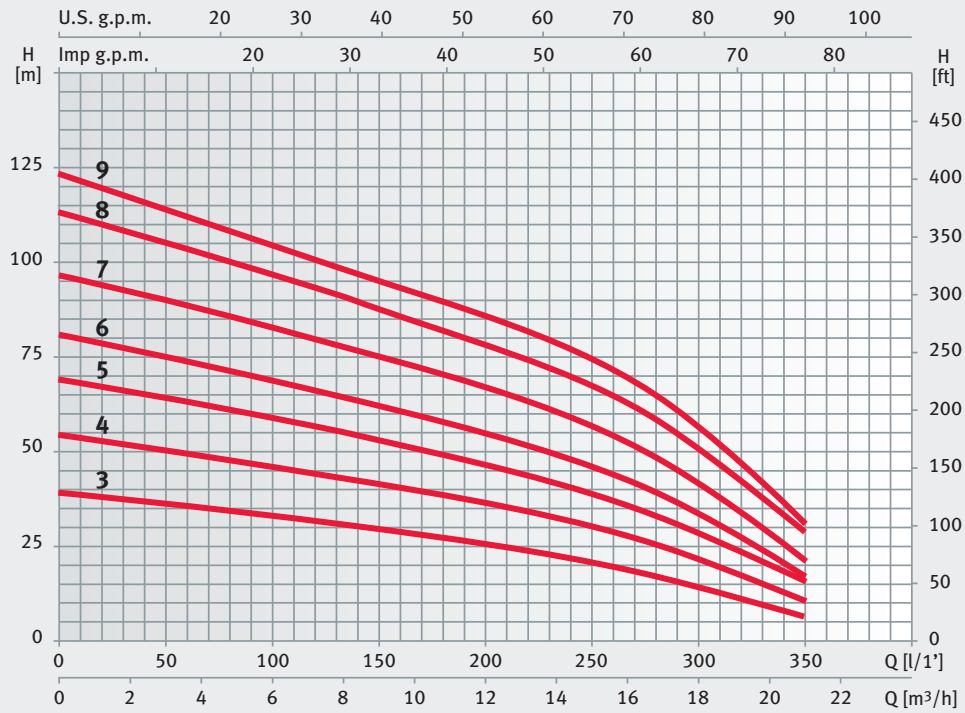
| | A1 | B | C | D | E | F1 | G1 | H1 | J | K | DN | M1 | ØN | Motor | Kg |
|-----------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|---------|------|
| Multinox 45 3 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 550 | 156 | 200 | 40 | M12x35 | 13 | IEC 80 | 29 |
| Multinox 45 3M | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 550 | 156 | 230 | 40 | M12x35 | 13 | IEC 80 | 29 |
| Multinox 45 4M | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 623 | 176 | 215 | 40 | M12x35 | 13 | IEC 90 | 33,4 |
| Multinox 45 4 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 623 | 176 | 250 | 40 | M12x35 | 13 | IEC 90 | 33,4 |
| Multinox 45 5 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 654 | 176 | 215 | 40 | M12x35 | 13 | IEC 90 | 34,6 |
| Multinox 45 6 | 200 | 180 | 255 | 130 | 215 | 100 | 80 | 715 | 194 | 235 | 40 | M12x35 | 13 | IEC 100 | 39,2 |

Multinox 45 7, 8, 9, 10 with flange DIN 2566



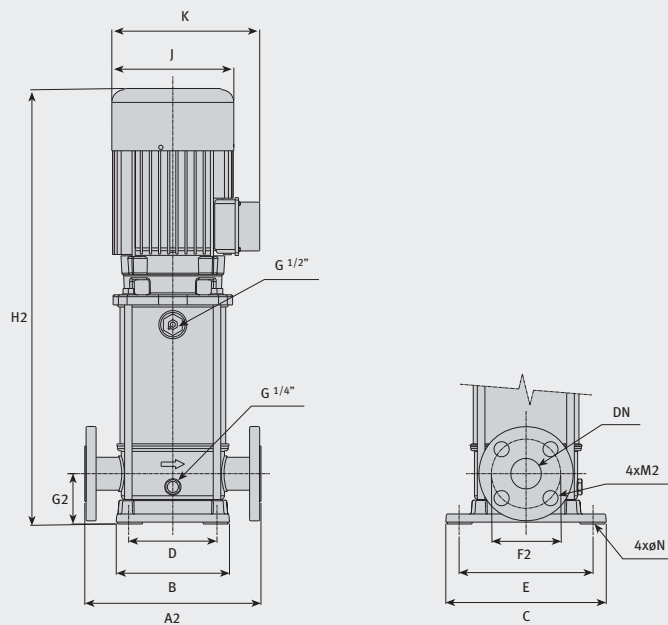
| | A2 | B | C | D | E | F2 | G2 | H2 | J | K | DN | M2 | ØN | Motor | Kg |
|-----------------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|---------|------|
| Multinox 45 7 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 746 | 194 | 235 | 40 | M16x50 | 13 | IEC 100 | 45,3 |
| Multinox 45 8 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 793 | 218 | 255 | 40 | M16x50 | 13 | IEC 112 | 57,5 |
| Multinox 45 9 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 824 | 218 | 255 | 40 | M16x50 | 13 | IEC 112 | 58,5 |
| Multinox 45 10 | 280 | 180 | 255 | 130 | 215 | 110 | 80 | 855 | 218 | 255 | 40 | M16x50 | 13 | IEC 112 | 60,5 |

Multinox 55 → Electrical and hydraulic characteristics

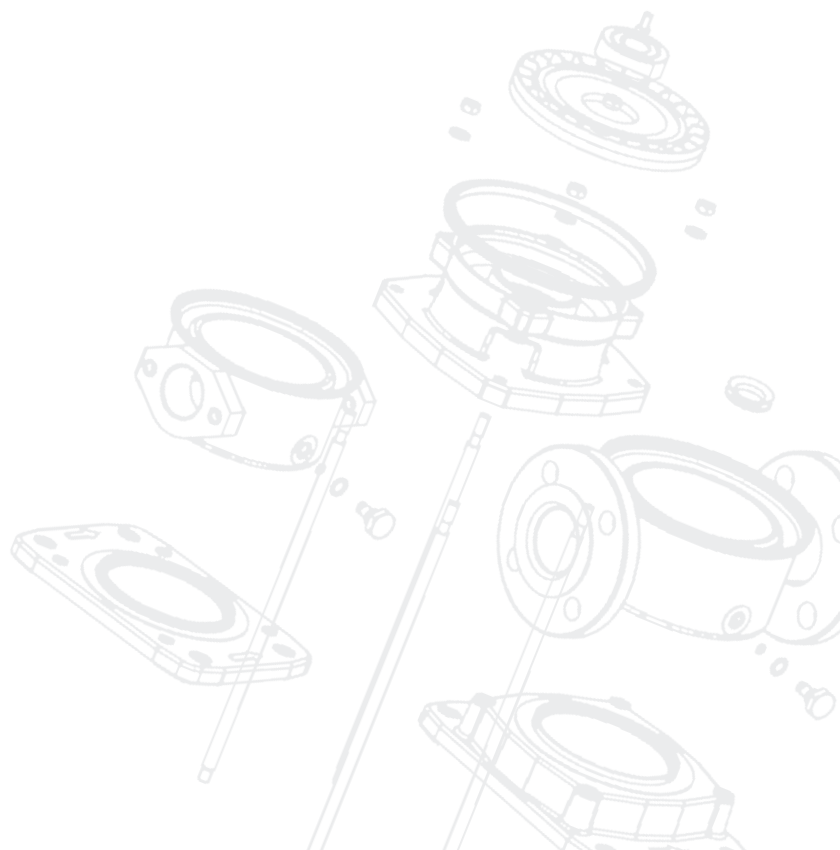


| 230 V 50 Hz | 230/400 V 50 Hz | P1 (kW) | | A | | P2 | | μF | L/1' m³/h | 20 | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
|-----------------------|----------------------|---------|-----|-------------|---------------------|------|-----|-----|--------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 1~ | 3~ | 1~ 230 V | 3~ 230 V 400 V | kW | HP | | | 1,2 | 3 | 6 | 9 | 12 | 15 | 18 | 21 |
| Multinox 55 3M | Multinox 55 3 | 2,2 | 2,2 | 9,8 | 7 | 4,1 | 1,5 | 2 | 40 | 38 | 36 | 33 | 30 | 25 | 20 | 14 | 6 |
| - | Multinox 55 4 | - | 2,7 | - | 8 | 4,6 | 2,2 | 3 | - | 53 | 50 | 46 | 41 | 36 | 30 | 21 | 10 |
| - | Multinox 55 5 | - | 3,6 | - | 11,3 | 6,5 | 3 | 4 | - | 67 | 64 | 59 | 53 | 46 | 39 | 23 | 15 |
| - | Multinox 55 6 | - | 4,1 | - | 12,5 | 7,2 | 3 | 4 | - | 79 | 75 | 69 | 62 | 55 | 46 | 28 | 17 |
| - | Multinox 55 7 | - | 4,9 | - | 15,4 | 8,9 | 4 | 5,5 | - | 94 | 90 | 82 | 75 | 66 | 56 | 41 | 21 |
| - | Multinox 55 8 | - | 5,8 | - | 17 | 9,8 | 5,5 | 7,5 | - | 110 | 105 | 96 | 82 | 78 | 67 | 50 | 28 |
| - | Multinox 55 9 | - | 6,2 | - | 18,2 | 10,5 | 5,5 | 7,5 | - | 120 | 114 | 104 | 95 | 85 | 74 | 56 | 31 |

Multinox 55 with flange DIN 2566



| | A2 | B | C | D | E | F2 | G2 | H2 | J | K | DN | M2 | ØN | Motor | Kg |
|----------------|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|--------|----|---------|----|
| Multinox 55 3 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 586 | 156 | 200 | 50 | M16x60 | 13 | IEC 80 | 32 |
| Multinox 55 3M | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 628 | 176 | 250 | 50 | M16x60 | 13 | IEC 90 | 36 |
| Multinox 55 4 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 668 | 176 | 215 | 50 | M16x60 | 13 | IEC 90 | 37 |
| Multinox 55 5 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 737 | 194 | 235 | 50 | M16x60 | 13 | IEC 100 | 43 |
| Multinox 55 6 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 776 | 194 | 235 | 50 | M16x60 | 13 | IEC 100 | 48 |
| Multinox 55 7 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 815 | 194 | 235 | 50 | M16x60 | 13 | IEC 100 | 52 |
| Multinox 55 8 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 872 | 194 | 235 | 50 | M16x60 | 13 | IEC 112 | 63 |
| Multinox 55 9 | 300 | 180 | 255 | 130 | 215 | 125 | 90 | 911 | 218 | 255 | 50 | M16x60 | 13 | IEC 112 | 64 |



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