

# INDEX

## FM Series

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## FAM Series

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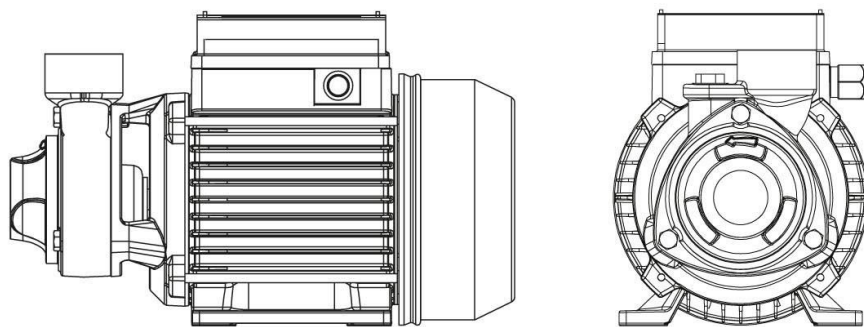
## FS Series

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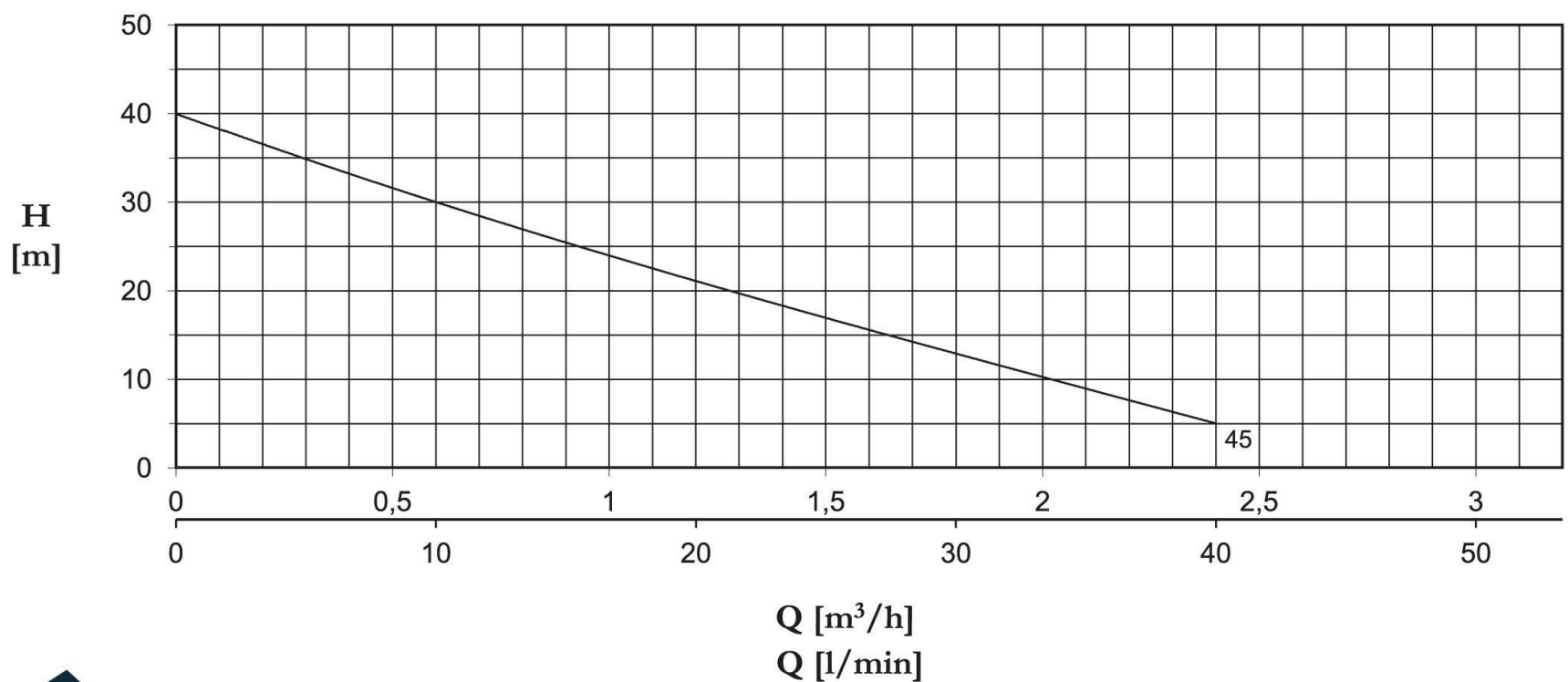
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# FM Serie (FM45)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | bronze                                   |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | brass                                    |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 4 bar (FM45)                         |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



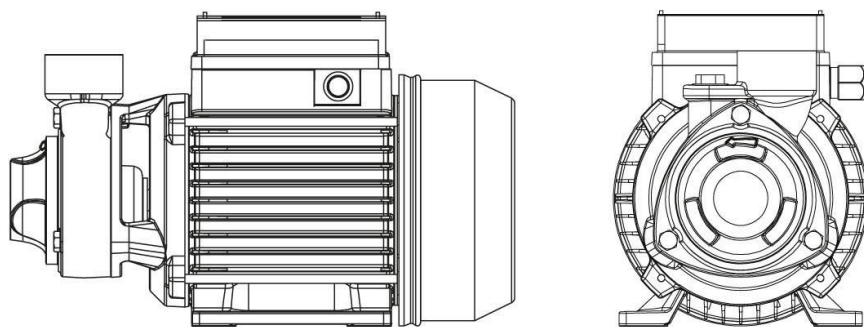
|                          |                  |                                                                                             |               |
|--------------------------|------------------|---------------------------------------------------------------------------------------------|---------------|
| <b>Q (l/min): 5 - 35</b> |                  | <b>H.Max (m): 40</b>                                                                        |               |
| <b>HP: 0.5</b>           | <b>kW: 0.37</b>  | <b>V: 220</b>                                                                               | <b>A: 2.3</b> |
| <b>pF: 10</b>            | <b>Cl: F</b>     | <b>IP: 44</b>                                                                               | <b>Hz: 50</b> |
| <b>Size: 1" x 1"</b>     | <b>RPM: 2800</b> | <b>T max liquid: 90 °C</b>                                                                  |               |
| Continuous Duty          |                  | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |               |



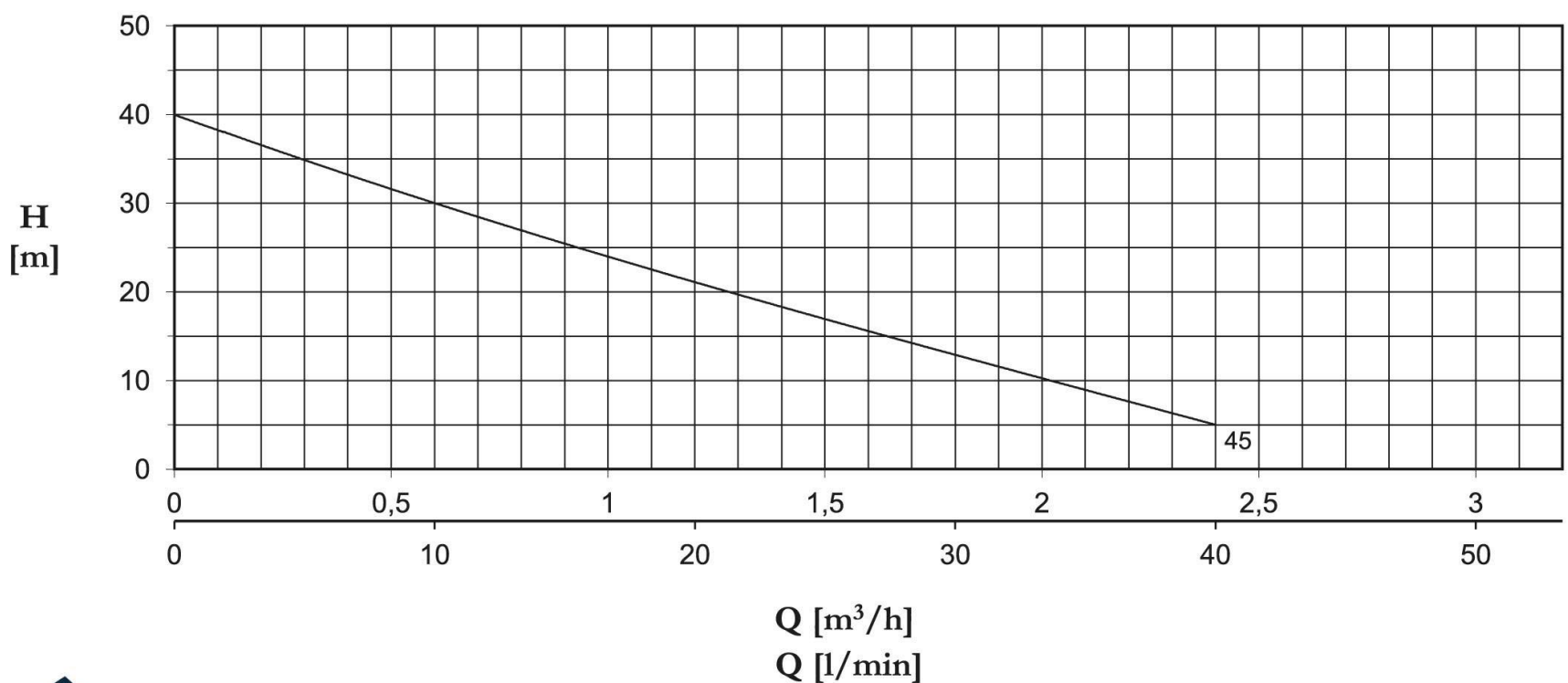
| TYPE | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |     |     |     |     |     |     |    |
|------|------|------|------------|-----------------|------------------|-----|-----|-----|-----|-----|-----|----|
| 1~   |      |      |            | 1~              | 0                | 0,3 | 0,6 | 1,2 | 1,8 | 2,4 | 2,7 | 3  |
|      |      |      |            |                 | 0                | 5   | 10  | 20  | 30  | 40  | 45  | 50 |
|      | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | H (m)            |     |     |     |     |     |     |    |
| FM45 | 0,5  | 0,37 | 0,5        | 2,3             | 40               | 35  | 30  | 21  | 13  | 5   | -   | -  |

# FM Serie (FM45BR)

| NO | Item                   | Material                              |
|----|------------------------|---------------------------------------|
| 1  | Pump body              | bronze                                |
| 2  | Motor bracket          | aluminium                             |
| 3  | Impeller               | brass                                 |
| 4  | Mechanical seal        | ceramic / graphite                    |
| 5  | Motor shaft            | stainless steel 316L                  |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C             |
| 7  | Operating pressure     | max 3.5 bar (FM45BR)                  |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz with thermal protection |
| 9  | Insulation class       | F                                     |
| 10 | Protection degree      | IP44                                  |



|                          |                  |                                                                                             |               |
|--------------------------|------------------|---------------------------------------------------------------------------------------------|---------------|
| <b>Q (l/min): 5 - 35</b> |                  | <b>H.Max (m): 40</b>                                                                        |               |
| <b>HP: 0.5</b>           | <b>kW: 0.37</b>  | <b>V: 220</b>                                                                               | <b>A: 2.3</b> |
| <b>PF: 10</b>            | <b>CI: F</b>     | <b>IP: 44</b>                                                                               | <b>Hz: 50</b> |
| <b>Size: 1" x 1"</b>     | <b>RPM: 2800</b> | <b>T max liquid: 90 °C</b>                                                                  |               |
| Continuous Duty          |                  | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |               |

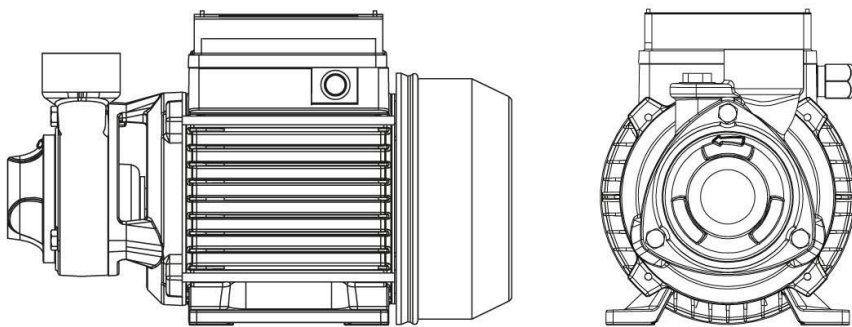


| TYPE   | P2   |      | P1<br>(kW) | AMPERE<br>1~<br>1x230V<br>50 Hz | Q (m³/h - l/min) |     |     |     |     |     |     |    |
|--------|------|------|------------|---------------------------------|------------------|-----|-----|-----|-----|-----|-----|----|
|        |      |      |            |                                 | 0                | 0,3 | 0,6 | 1,2 | 1,8 | 2,4 | 2,7 | 3  |
|        |      |      |            |                                 | 0                | 5   | 10  | 20  | 30  | 40  | 45  | 50 |
| 1~     | (HP) | (kW) | 1~         |                                 | H (m)            |     |     |     |     |     |     |    |
| FM45BR | 0,5  | 0,37 | 0,5        | 2,3                             | 40               | 35  | 30  | 21  | 13  | 5   | -   | -  |

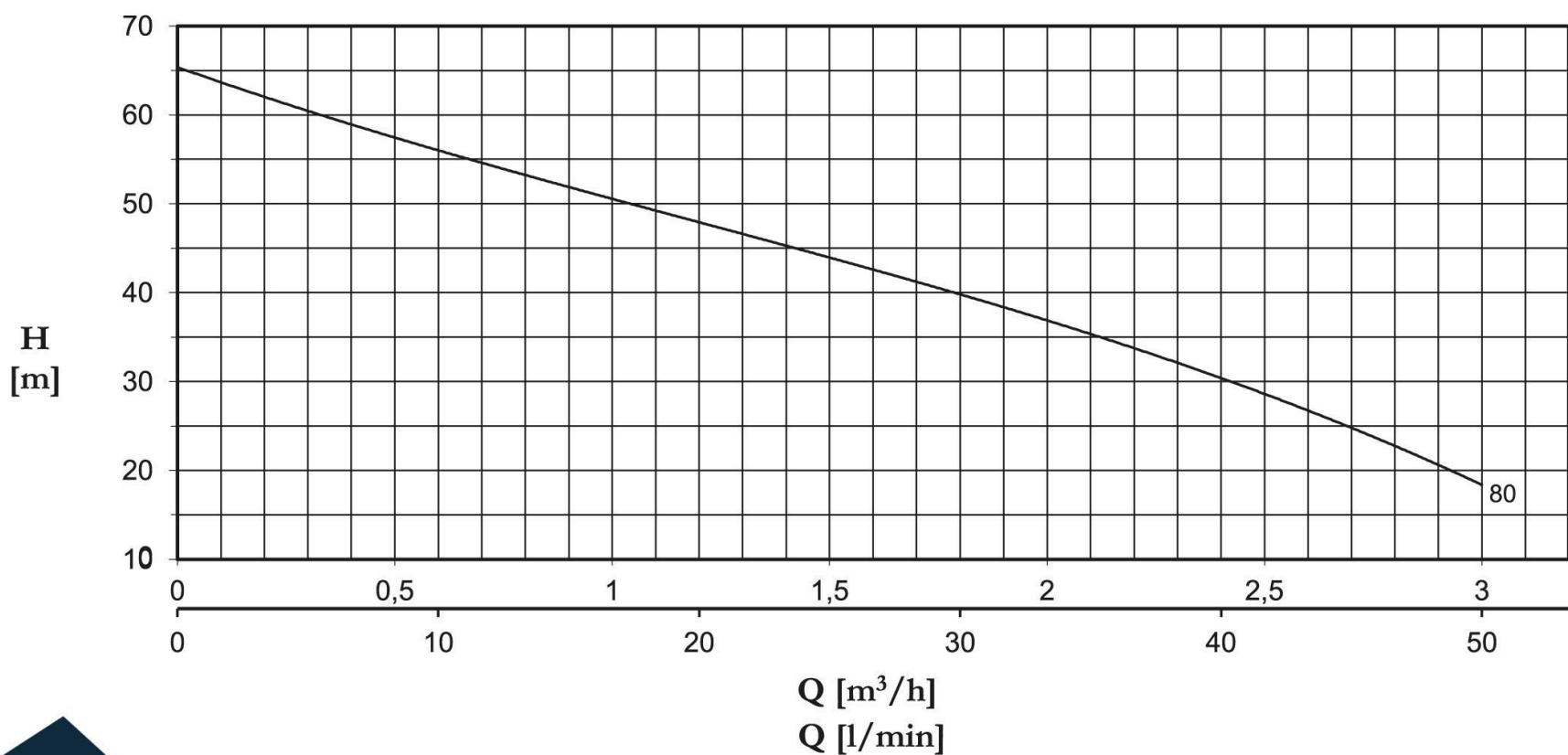


# FM Serie (FM80)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | brass                                    |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 5.5 bar (FM80)                       |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



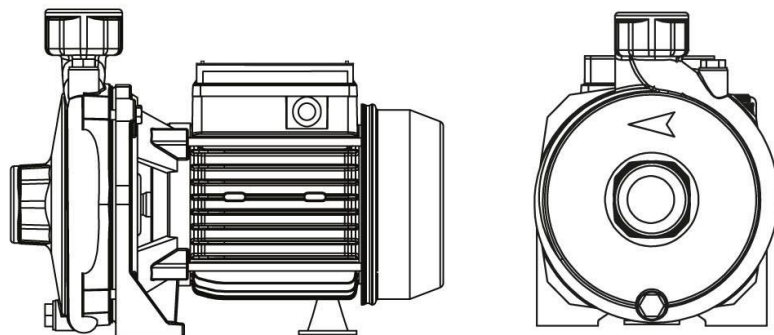
| Q (l/min): 5 - 50 |           | H.Max (m): 55                                                                               |        |
|-------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| HP: 1             | kW: 0.74  | V: 220                                                                                      | A: 5.6 |
| PF: 10            | Cl: F     | IP: 44                                                                                      | Hz: 50 |
| Size: 1" x 1"     | RPM: 2800 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty   |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |



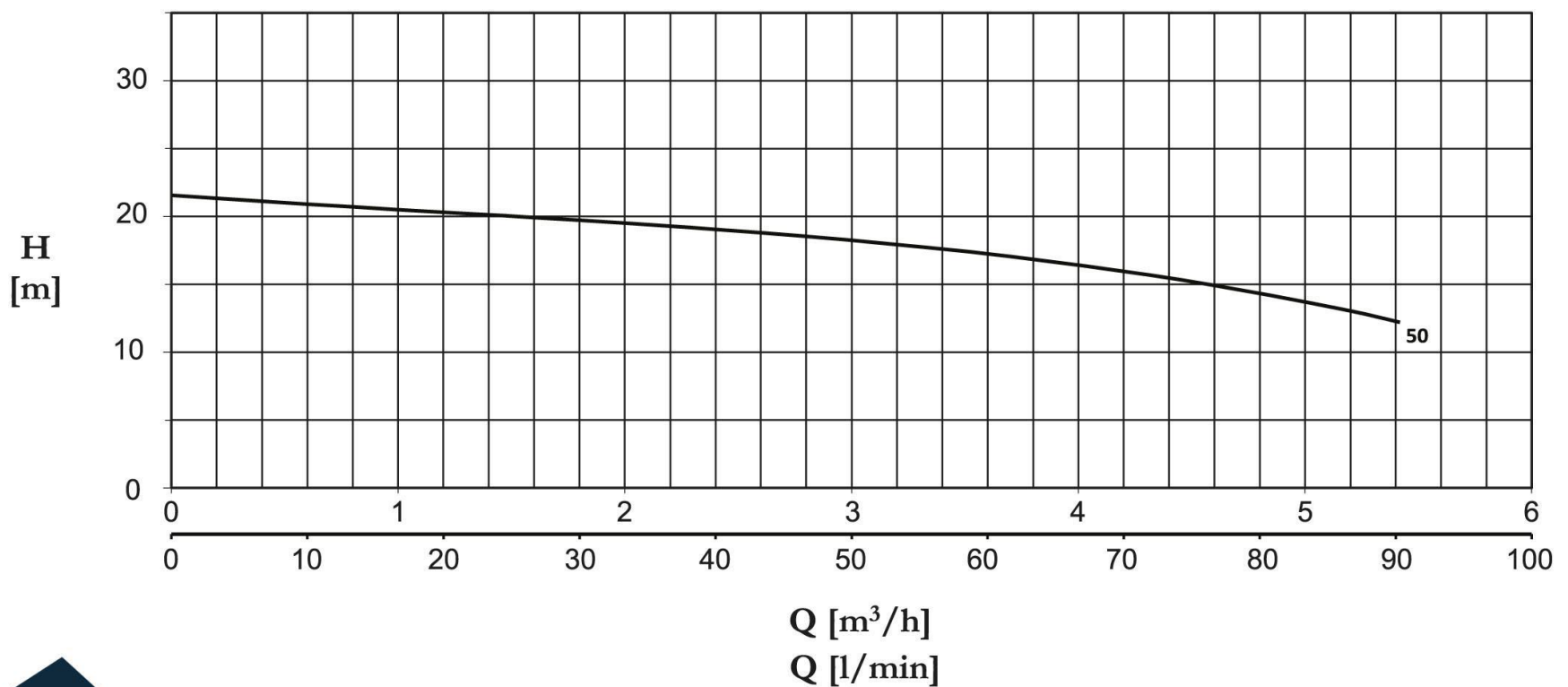
| TYPE | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |     |     |     |     |     |     |    |
|------|------|------|------------|-----------------|------------------|-----|-----|-----|-----|-----|-----|----|
|      |      |      |            |                 | 0                | 0,3 | 0,6 | 1,2 | 1,8 | 2,4 | 2,7 | 3  |
|      | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 0                | 5   | 10  | 20  | 30  | 40  | 45  | 50 |
| FM80 | 1,0  | 0,74 | 1,1        | 2,3             | 65               | 61  | 56  | 48  | 39  | 31  | 25  | 18 |

# FM Serie (FM50)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304                      |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 2.1 bar (FM50)                       |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



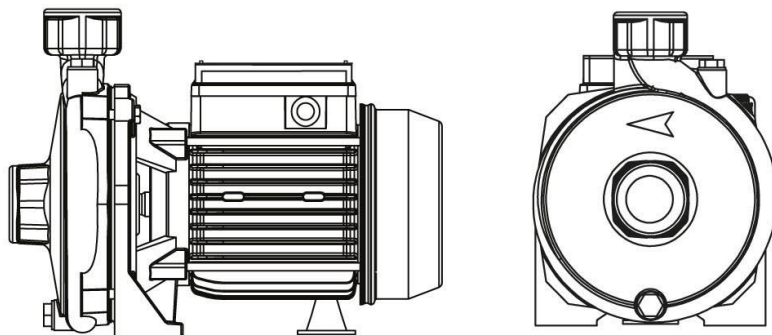
| Q (l/min): 20 - 90 |           | H.Max (m): 21                                                                               |        |
|--------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| HP: 0.5            | kW: 0.37  | V: 220                                                                                      | A: 2.8 |
| µF: 10             | Cl: F     | IP: 44                                                                                      | Hz: 50 |
| Size: 1" x 1"      | RPM: 2850 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty    |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |



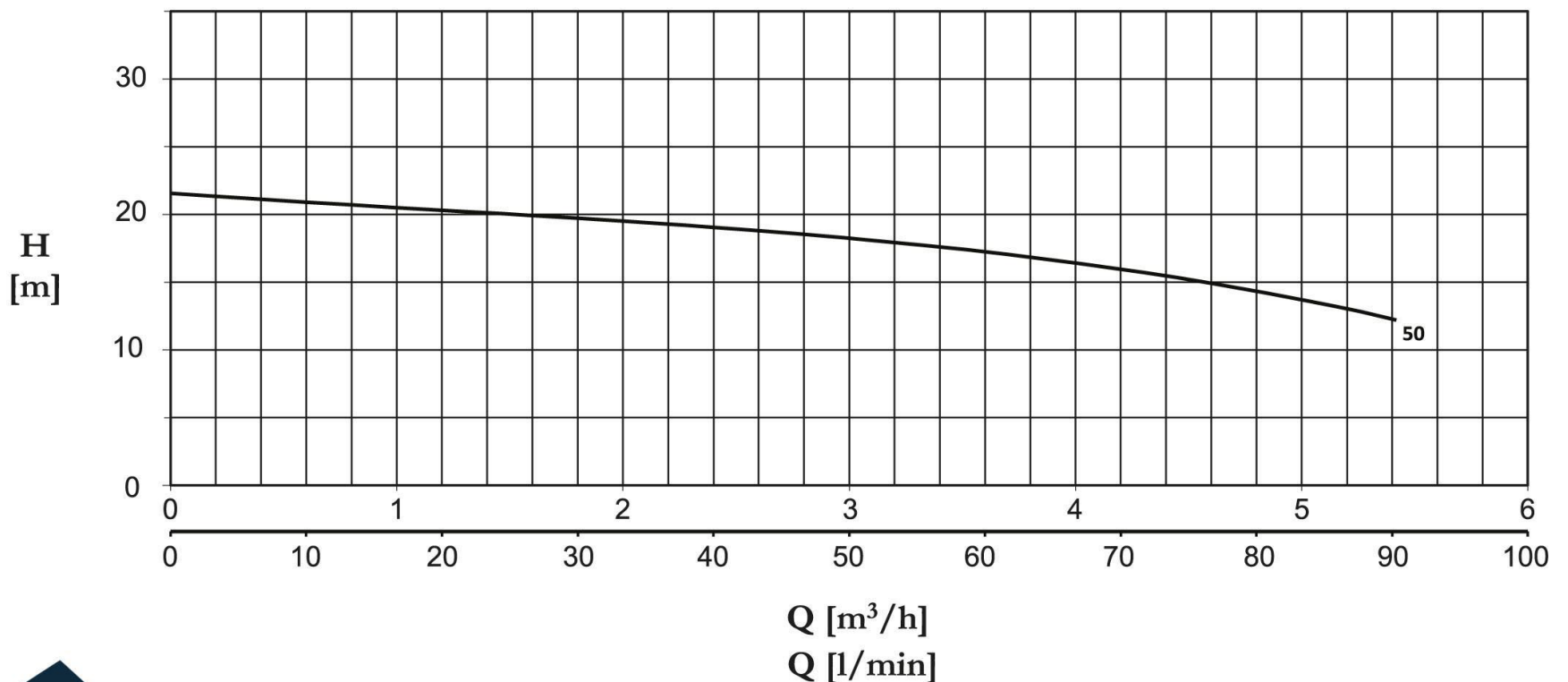
| Model | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |      |     |     |      |     |     |
|-------|------|------|------------|-----------------|------------------|------|-----|-----|------|-----|-----|
| 1~    |      |      |            | 1~              | 0                | 1,2  | 2,4 | 3,6 | 4,2  | 4,8 | 5,4 |
|       | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 0                | 20   | 40  | 60  | 70   | 80  | 90  |
| FM 50 | 0,5  | 0,37 | 0,59       | 2,8             | 21,5             | 20,5 | 19  | 17  | 15,8 | 15  | 12  |

# FM Serie (FM50BR)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | bronze                                   |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304                      |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 316                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 2.1 bar (FM50BR)                     |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



|                           |                  |                                                                                             |               |
|---------------------------|------------------|---------------------------------------------------------------------------------------------|---------------|
| <b>Q (l/min): 20 - 90</b> |                  | <b>H.Max (m): 21</b>                                                                        |               |
| <b>HP: 0.5</b>            | <b>kW: 0.37</b>  | <b>V: 220</b>                                                                               | <b>A: 2.8</b> |
| <b>pF: 10</b>             | <b>Cl: F</b>     | <b>IP: 44</b>                                                                               | <b>Hz: 50</b> |
| <b>Size: 1" x 1"</b>      | <b>RPM: 2850</b> | <b>T max liquid: 90 °C</b>                                                                  |               |
| Continuous Duty           |                  | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |               |

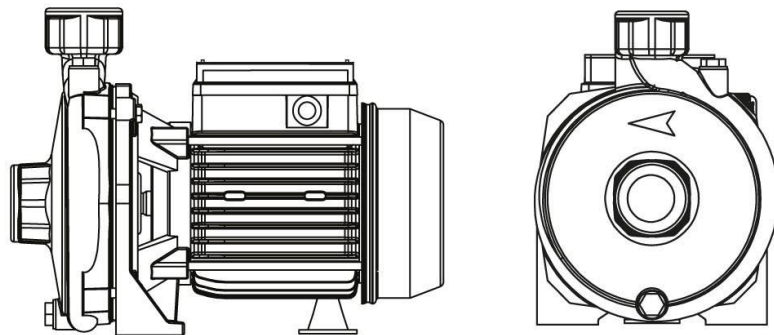


| Model  | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |      |     |     |      |     |     |
|--------|------|------|------------|-----------------|------------------|------|-----|-----|------|-----|-----|
| 1~     |      |      |            | 1~              | 0                | 1,2  | 2,4 | 3,6 | 4,2  | 4,8 | 5,4 |
|        | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 0                | 20   | 40  | 60  | 70   | 80  | 90  |
| FM50BR | 0,5  | 0,37 | 0,59       | 2,8             | 21,5             | 20,5 | 19  | 17  | 15,8 | 15  | 12  |

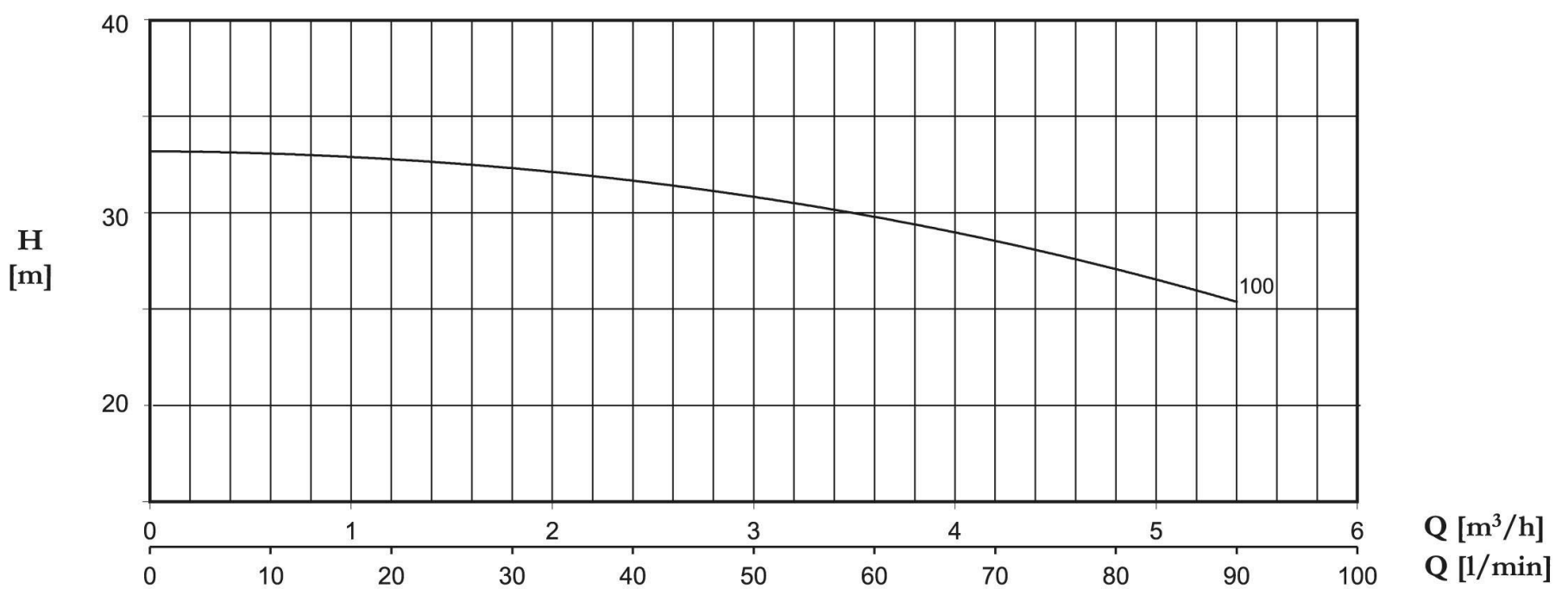


# FM Serie (FM100)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304 / noryl              |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 3.3 bar (FM100)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



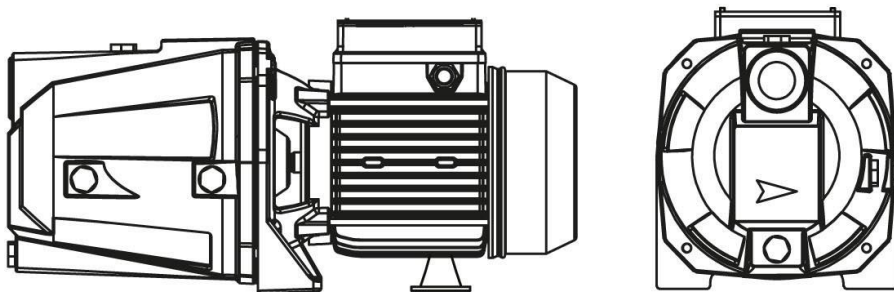
|                    |           |                                                                                             |        |
|--------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| Q (l/min): 20 - 90 |           | H.Max (m): 33                                                                               |        |
| HP: 1              | kW: 0.74  | V: 220                                                                                      | A: 4.6 |
| µF: 20             | Cl: F     | IP: 44                                                                                      | Hz: 90 |
| Size: 1" x 1"      | RPM: 2850 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty    |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |



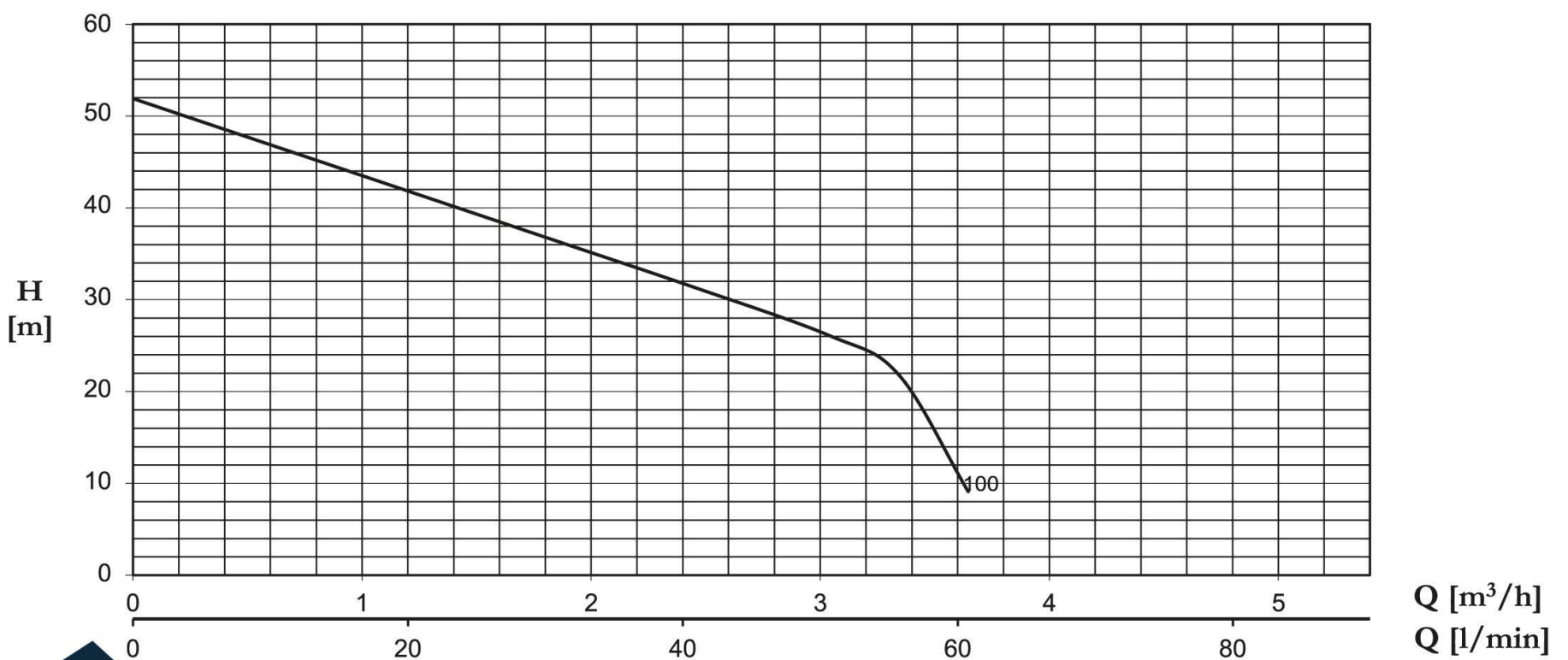
| Model  | P2   |      | P1 (kW) | AMPERE          | Q (m³/h - l/min) |      |      |      |      |      |      |
|--------|------|------|---------|-----------------|------------------|------|------|------|------|------|------|
| 1~     |      |      |         | 1~              | 0                | 1,2  | 2,4  | 3,6  | 4,2  | 4,8  | 5,4  |
|        |      |      |         |                 | 0                | 20   | 40   | 60   | 70   | 80   | 90   |
| FM 100 | (HP) | (kW) | 1~      | 1x230V<br>50 Hz | H (m)            |      |      |      |      |      |      |
|        | 1    | 0,74 | 1,16    | 5,7             | 33               | 32,5 | 31,5 | 29,6 | 28,3 | 26,8 | 25,2 |

# FAM Serie (FAM100)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304 / noryl              |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 5 bar (FAM100)                       |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



| Q (l/min): 10 - 50 |           | H.Max (m): 50                                                                               |        |
|--------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| HP: 1              | kW: 0.74  | V: 220                                                                                      | A: 4.7 |
| µF: 20             | Cl: F     | IP: 44                                                                                      | Hz: 50 |
| Size: 1" x 1"      | RPM: 2850 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty    |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |

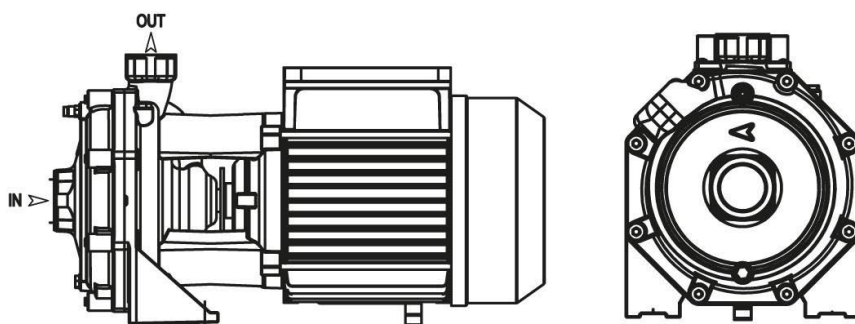


| TYPE   | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |     |     |     |      |     |     |     |
|--------|------|------|------------|-----------------|------------------|-----|-----|-----|------|-----|-----|-----|
|        |      |      |            | 1~              | 0,6              | 1,2 | 1,8 | 2,4 | 3,0  | 3,6 | 4,2 | 4,8 |
|        | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 10               | 20  | 30  | 40  | 50   | 60  | 70  | 80  |
| FAM100 | 1    | 0,74 | 1,02       | 4,7             | 47               | 42  | 37  | 32  | 26,7 | 10  | -   | -   |

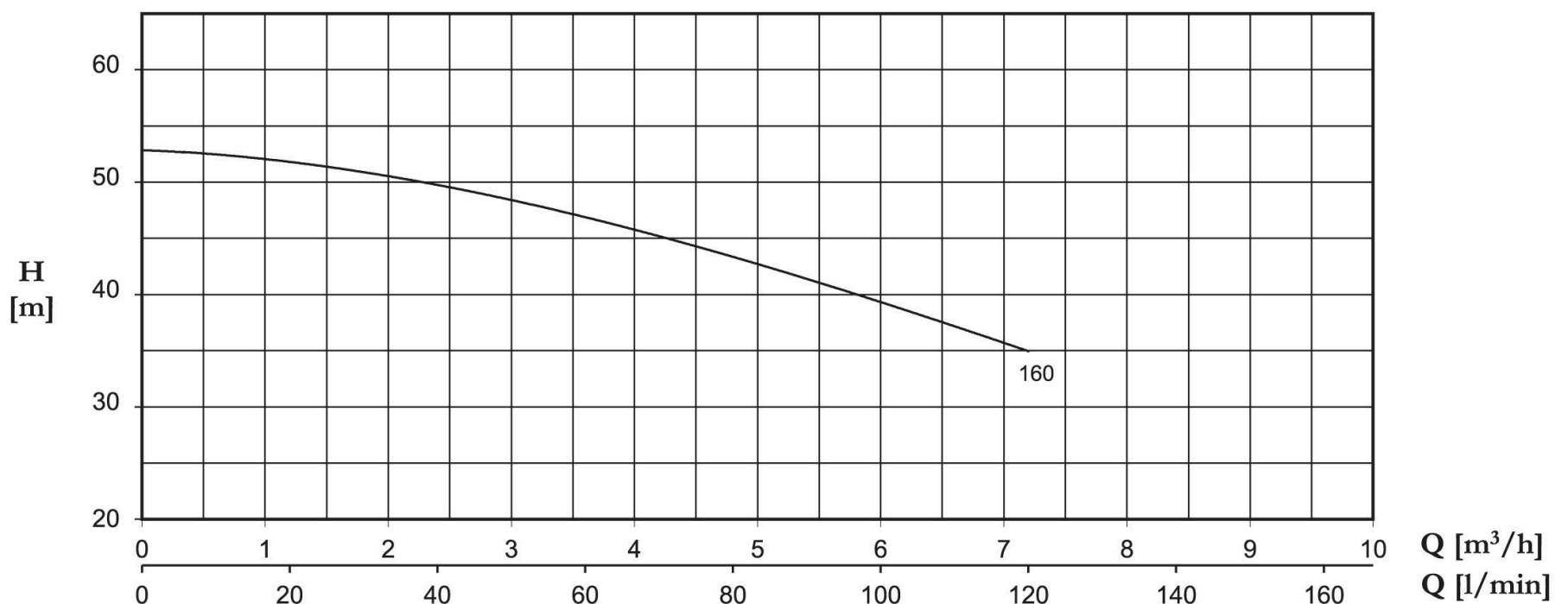


# FB Serie (FB160)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304                      |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 5.2 bar (FB160)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



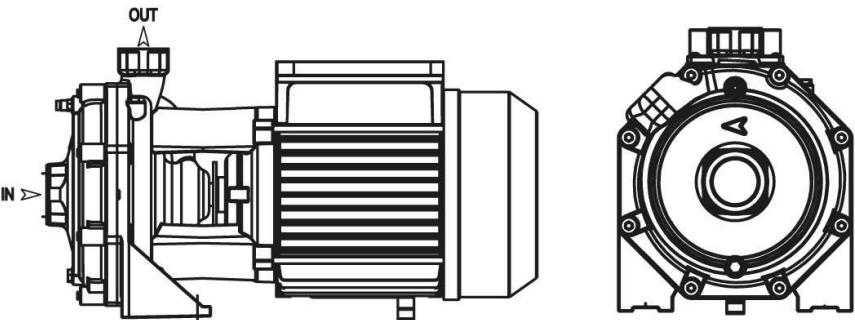
|                            |                  |                                                                                             |                |
|----------------------------|------------------|---------------------------------------------------------------------------------------------|----------------|
| <b>Q (l/min):</b> 10 - 120 |                  | <b>H.Max (m):</b> 52                                                                        |                |
| <b>HP:</b> 1.5             | <b>kW:</b> 1.1   | <b>V:</b> 220                                                                               | <b>A:</b> 10.2 |
| <b>µF:</b> 35              | <b>Cl:</b> F     | <b>IP:</b> 44                                                                               | <b>Hz:</b> 50  |
| <b>Size:</b> 1" x 1¼"      | <b>RPM:</b> 2850 | <b>T max liquid:</b> 90 °C                                                                  |                |
| Continuous Duty            |                  | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |                |



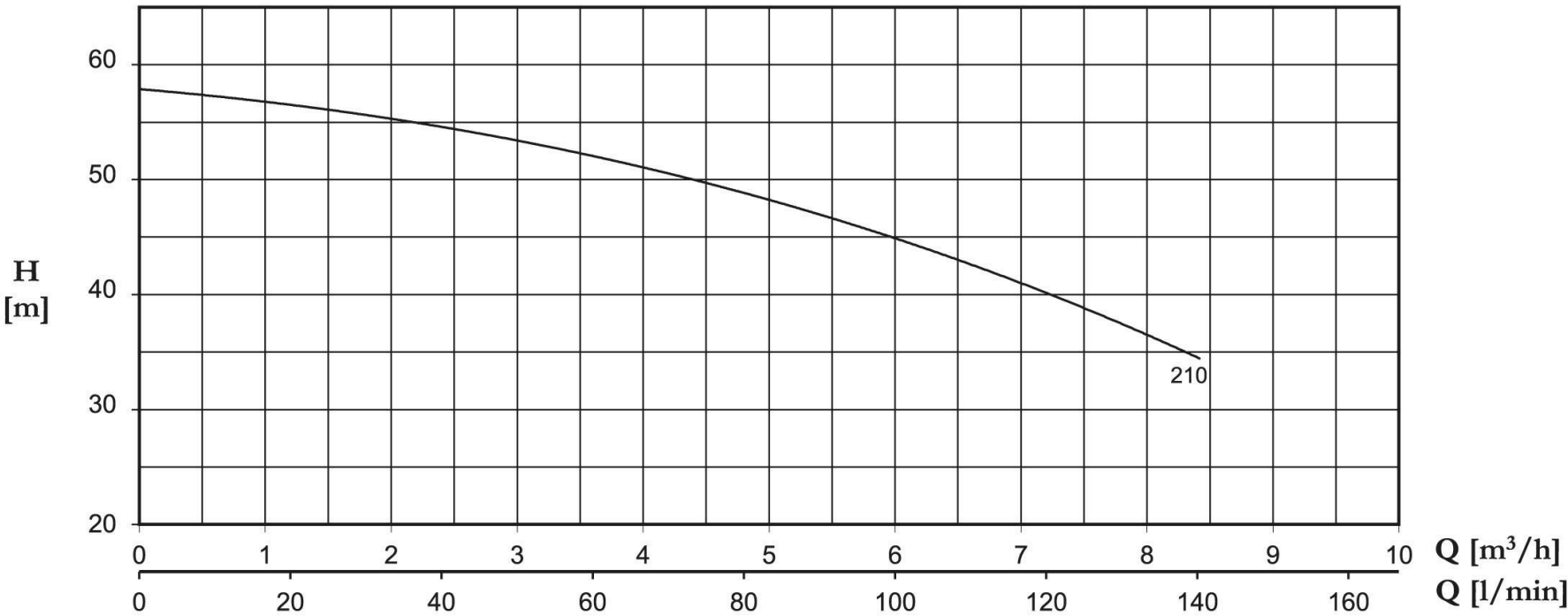
| Model | P2  |     | P1<br>(kW) | AMPERE | Q (m <sup>3</sup> /h - l/min) |     |                 |       |      |      |      |     |     |
|-------|-----|-----|------------|--------|-------------------------------|-----|-----------------|-------|------|------|------|-----|-----|
| 1~    |     |     |            | 1~     | 0.6                           | 1,2 | 1,8             | 2,4   | 3,6  | 4,8  | 6    | 7,2 | 8,4 |
|       |     |     |            |        | 10                            | 20  | 30              | 40    | 60   | 80   | 100  | 120 | 140 |
|       |     |     |            | (HP)   | (kW)                          | 1~  | 1x230V<br>50 Hz | H (m) |      |      |      |     |     |
| FB160 | 1.5 | 1.1 | 1.3        | 10.2   | 52.5                          | 52  | 51              | 50    | 46.9 | 43.3 | 39.7 | 35  | -   |

FB Serie (FB210)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | stainless steel 304                      |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 5.6 bar (FB210)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



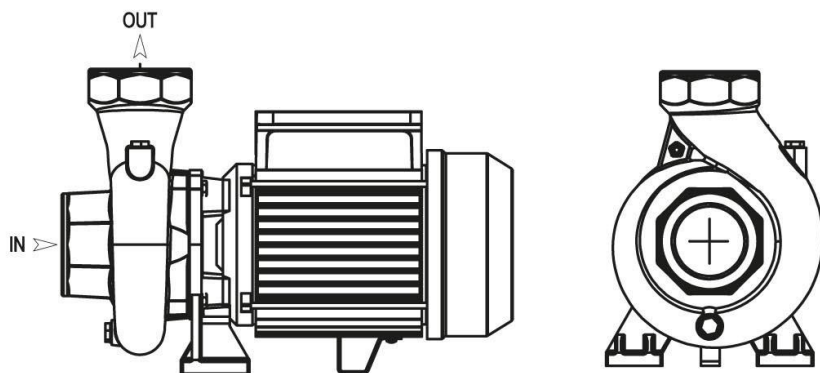
|                     |           |                                                                                             |         |
|---------------------|-----------|---------------------------------------------------------------------------------------------|---------|
| Q (l/min): 10 - 140 |           | H.Max (m): 55                                                                               |         |
| HP: 2               | kW: 1.5   | V: 220                                                                                      | A: 11.2 |
| µF: 50              | Cl: F     | IP: 44                                                                                      | Hz: 50  |
| Size: 1" x 1¼"      | RPM: 2850 | T max liquid: 90 °C                                                                         |         |
| Continuous Duty     |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |         |



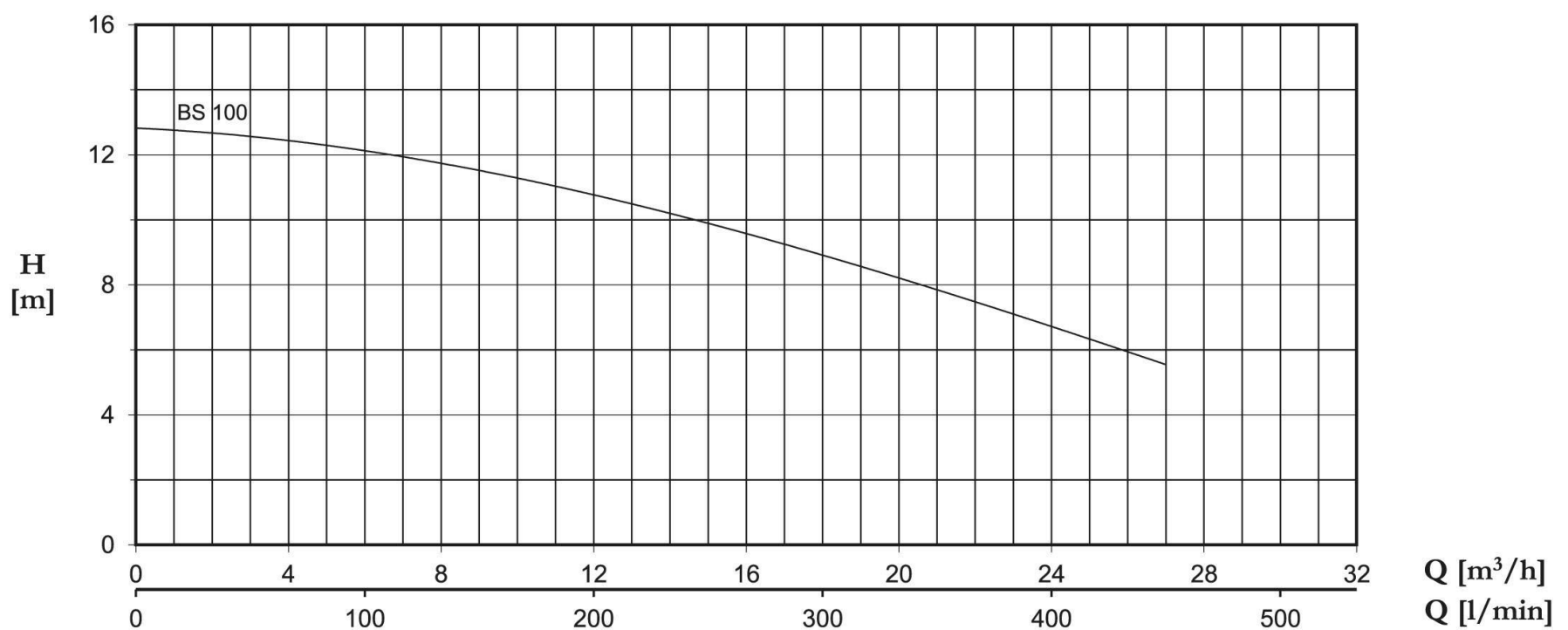
| Model | P2   |      | P1<br>(kW) | AMPERE          | Q (m <sup>3</sup> /h - l/min) |           |           |           |           |          |            |            |    |
|-------|------|------|------------|-----------------|-------------------------------|-----------|-----------|-----------|-----------|----------|------------|------------|----|
| 1~    |      |      |            | 0.6<br>10       | 1,2<br>20                     | 1,8<br>30 | 2,4<br>40 | 3,6<br>60 | 4,8<br>80 | 6<br>100 | 7,2<br>120 | 8,4<br>140 |    |
|       |      |      |            |                 |                               |           |           |           |           |          |            |            |    |
| 1~    |      |      |            | 1x230V<br>50 Hz | H (m)                         |           |           |           |           |          |            |            |    |
|       | (HP) | (kW) | 1~         |                 |                               |           |           |           |           |          |            |            |    |
| FB210 | 2    | 1,5  | 2,6        | 11,5            | 56.9                          | 56        | 55        | 54        | 51        | 48       | 44         | 39         | 34 |

# FS Serie (FS100)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | cast iron                                |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 1.2 bar (FS100)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



|                             |                  |                                                                                             |               |
|-----------------------------|------------------|---------------------------------------------------------------------------------------------|---------------|
| <b>Q (l/min):</b> 100 - 400 |                  | <b>H.Max (m):</b> 12                                                                        |               |
| <b>HP:</b> 1                | <b>kW:</b> 0.74  | <b>V:</b> 220                                                                               | <b>A:</b> 4.7 |
| <b>pF:</b> 20               | <b>Cl:</b> F     | <b>IP:</b> 44                                                                               | <b>Hz:</b> 50 |
| <b>Size:</b> 2" x 2"        | <b>RPM:</b> 2850 | <b>T max liquid:</b> 90 °C                                                                  |               |
| Continuous Duty             |                  | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |               |

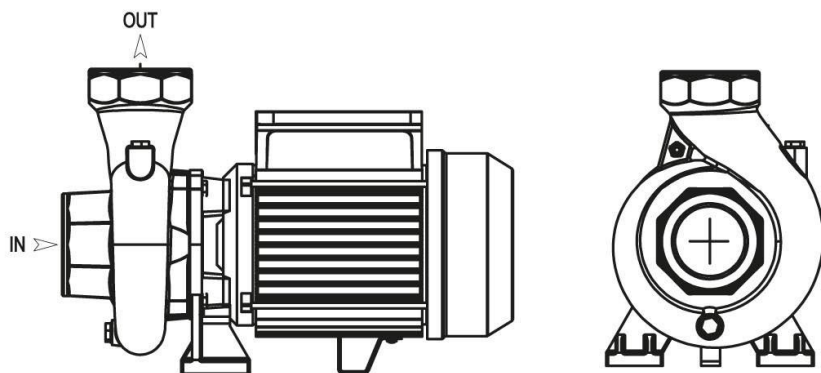


| Model | P2   |      | P1 (kW) | AMPERE          | Q (m³/h - l/min) |      |      |     |     |     |     |     |     |     |
|-------|------|------|---------|-----------------|------------------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 1~    |      |      | 1~      | 1~              | 0                | 6    | 12   | 18  | 24  | 30  | 36  | 42  | 48  | 54  |
|       | (HP) | (kW) | 1~      | 1x230V<br>50 Hz | 0                | 100  | 200  | 300 | 400 | 500 | 600 | 700 | 800 | 900 |
| FS100 | 1    | 0.74 | 1,16    | 4.5             | 12.8             | 12.2 | 10.7 | 8.9 | 6.8 | -   | -   | -   | -   | -   |

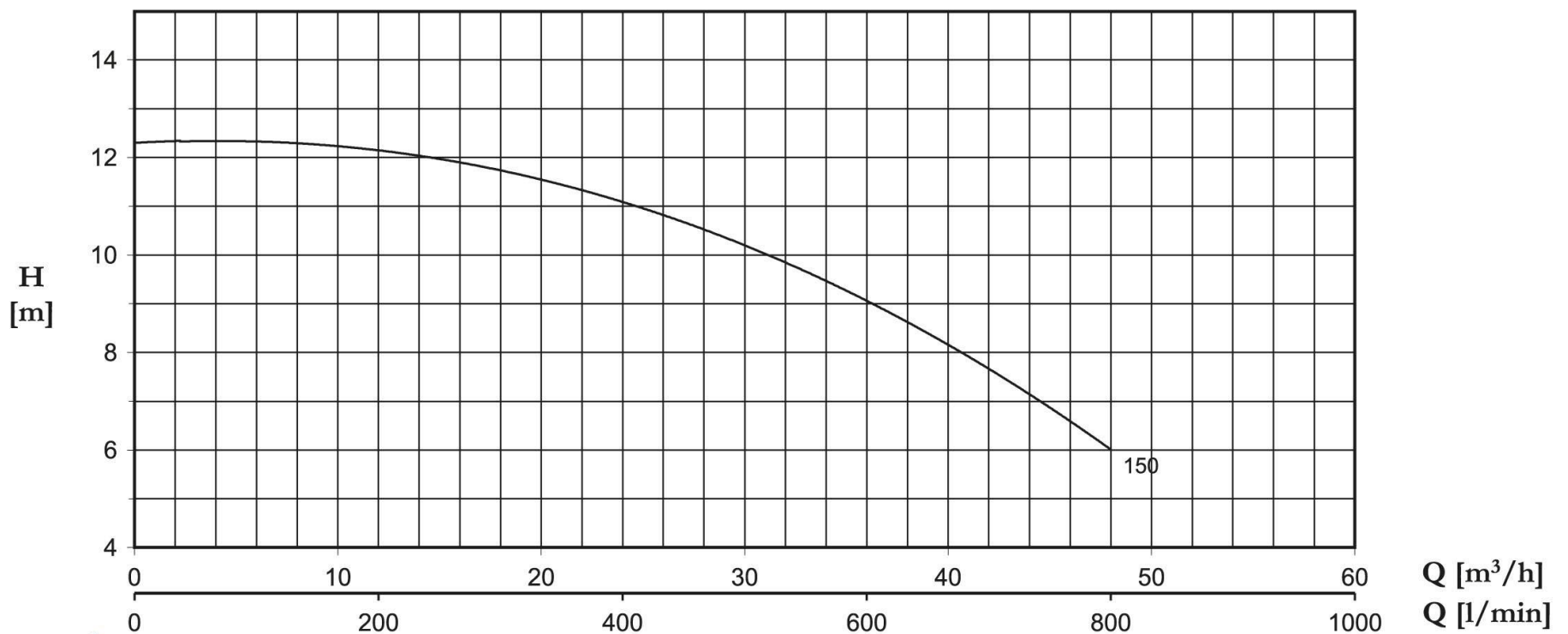


# FS Serie (FS150)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | cast iron                                |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 1.2 bar (FS150)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



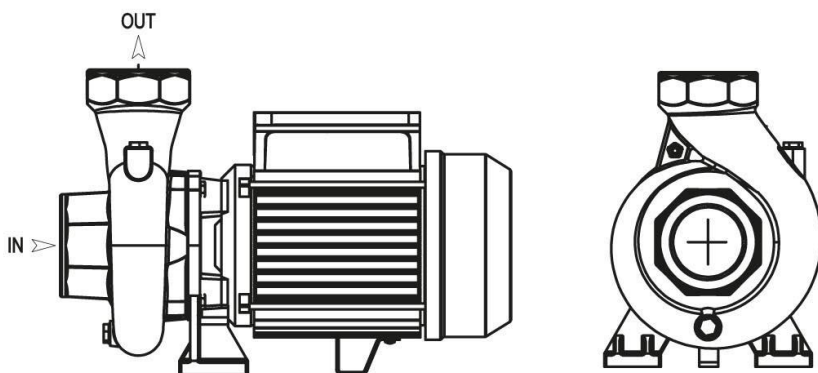
|                      |           |                                                                                             |        |
|----------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| Q (l/min): 100 - 800 |           | H.Max (m): 12                                                                               |        |
| HP: 1.5              | kW: 1.1   | V: 220                                                                                      | A: 8.8 |
| PF: 35               | CI: F     | IP: 44                                                                                      | Hz: 50 |
| Size: 2" x 2"        | RPM: 2850 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty      |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |



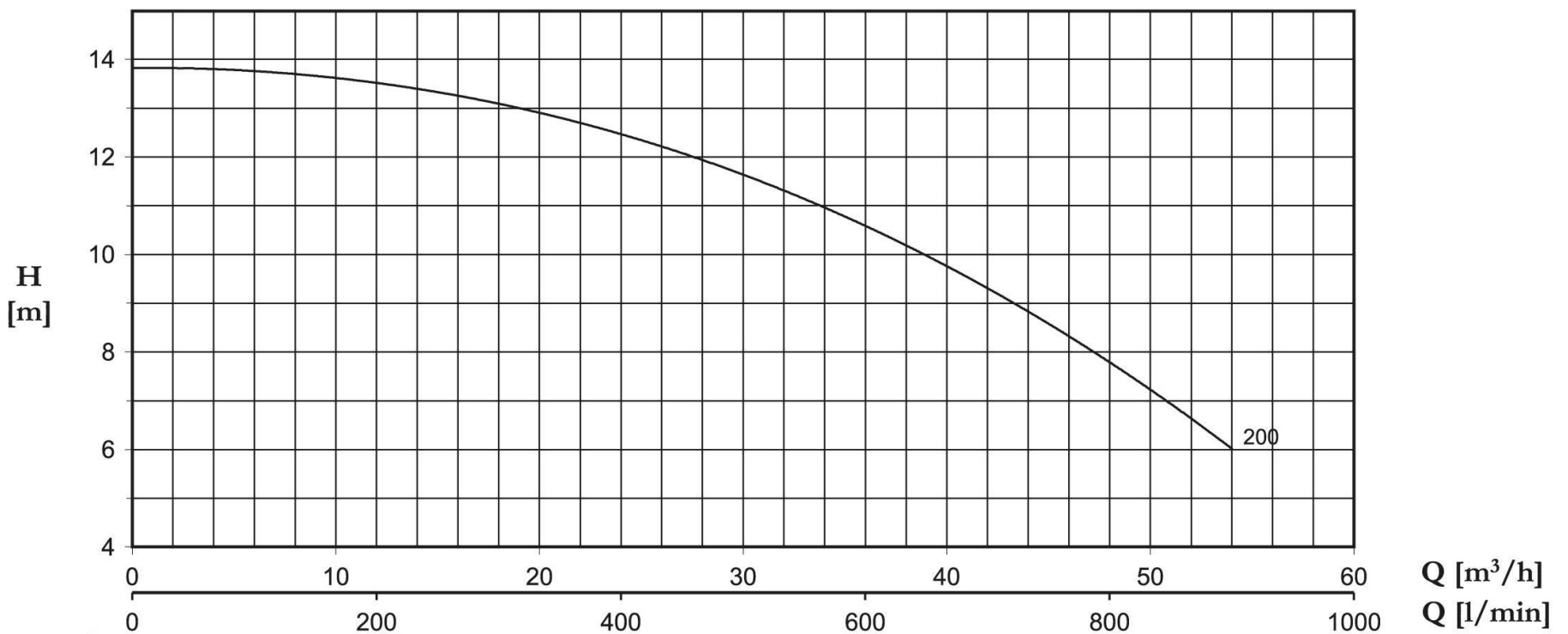
| Model | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |      |      |      |     |      |     |     |     |     |
|-------|------|------|------------|-----------------|------------------|------|------|------|-----|------|-----|-----|-----|-----|
| 1~    |      |      |            | 1~              | 0                | 6    | 12   | 18   | 24  | 30   | 36  | 42  | 48  | 54  |
|       | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 0                | 100  | 200  | 300  | 400 | 500  | 600 | 700 | 800 | 900 |
| FS150 | 1.5  | 1.1  | 1,85       | 8.8             | 12.3             | 12.3 | 12.2 | 11.8 | 11  | 10.2 | 9.1 | 7.7 | 6   | -   |

# FS Serie (FS200)

| NO | Item                   | Material                                 |
|----|------------------------|------------------------------------------|
| 1  | Pump body              | cast iron                                |
| 2  | Motor bracket          | aluminium                                |
| 3  | Impeller               | cast iron                                |
| 4  | Mechanical seal        | ceramic / graphite                       |
| 5  | Motor shaft            | stainless steel 304                      |
| 6  | Liquid temperature     | brass impeller: 0 - 90 °C                |
| 7  | Operating pressure     | max 1.3 bar (FS200)                      |
| 8  | 2 pole induction motor | 1~ 230 V-50Hz<br>with thermal protection |
| 9  | Insulation class       | F                                        |
| 10 | Protection degree      | IP44                                     |



|                      |           |                                                                                             |        |
|----------------------|-----------|---------------------------------------------------------------------------------------------|--------|
| Q (l/min): 100 - 900 |           | H.Max (m): 13                                                                               |        |
| HP: 2                | kW: 1.5   | V: 220                                                                                      | A: 10  |
| µF: 50               | Cl: F     | IP: 44                                                                                      | Hz: 50 |
| Size: 2" x 2"        | RPM: 2850 | T max liquid: 90 °C                                                                         |        |
| Continuous Duty      |           | Overload protector<br>Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> |        |



| Model | P2   |      | P1<br>(kW) | AMPERE          | Q (m³/h - l/min) |      |      |      |      |      |      |     |     |     |
|-------|------|------|------------|-----------------|------------------|------|------|------|------|------|------|-----|-----|-----|
|       |      |      |            | 1~              | 0                | 6    | 12   | 18   | 24   | 30   | 36   | 42  | 48  | 54  |
|       | (HP) | (kW) | 1~         | 1x230V<br>50 Hz | 0                | 100  | 200  | 300  | 400  | 500  | 600  | 700 | 800 | 900 |
| FS200 | 2    | 1.5  | 2,10       | 10              | 13.8             | 13.8 | 13.6 | 13.1 | 12.4 | 11.6 | 10.6 | 9.4 | 7.8 | 6   |