

# Aspri 45N Surface horizontal



## Centrifugal multistage pump for water supply, self-priming up to 9m

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes.  
Silent.  
Self-priming up to 9m.

### Materials

Pump body and impellers in AISI 304.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Suction and discharge in cast iron with cataphoresis coating.  
Mechanical seal in aluminium-graphite.  
Motor casing in aluminium.  
O-rings in NBR/EPDM.

### Equipment

No cable.

### Motor

Asynchronous 2 poles.  
IPX5 protection.  
Class F insulation.  
Single phase motor with built-in thermal protection.  
Continuous operation.

### Limitations

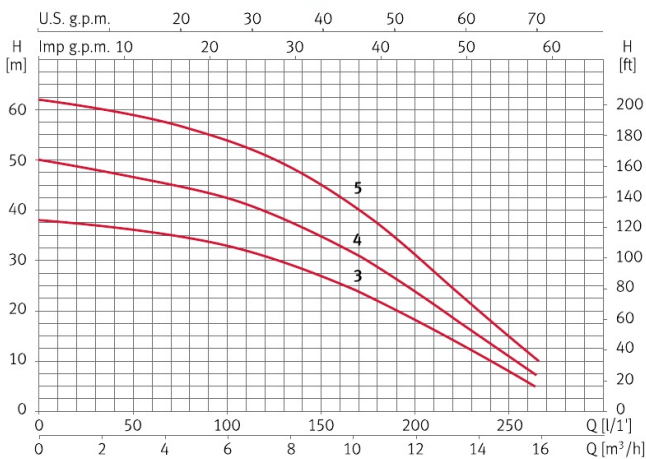
Maximum water temperature: 40° C.



## Hydraulic performance table

| Model       | I [A]  |        |        | P1 [kW] |     | P2   |      | c [μF] | l/min<br>m³/h | 25  | 50  | 75  | 100 | 125 | 150 | 200 | 250 | Code   |             |
|-------------|--------|--------|--------|---------|-----|------|------|--------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|--------|-------------|
|             | 1~230V | 3~230V | 3~400V | 1~      | 3~  | [kW] | [HP] |        |               | 1,5 | 3,0 | 4,5 | 6,0 | 7,5 | 9,0 | 12  | 15  | 1~230V | 3~230V/400V |
| Aspri 45 3N | 7,9    | 5,2    | 3      | 1,8     | 1,7 | 1,1  | 1,5  | 25     | mwc           | 37  | 36  | 35  | 33  | 30  | 27  | 18  | 8   | 132087 | 132089      |
| Aspri 45 4N | 10     | 6,9    | 4      | 2,2     | 2,2 | 1,5  | 2    | 30     |               | 48  | 47  | 45  | 42  | 39  | 36  | 24  | 11  | 132088 | 132090      |
| Aspri 45 5N | -      | 8,6    | 5      | -       | 2,8 | 2,2  | 3    | -      |               | 61  | 59  | 56  | 54  | 50  | 45  | 31  | 15  | -      | 132091      |

## Performance curve at 2900 rpm



## Dimension and weight

| Model       | A   | B   | C      | D   | E      | F   | G   | H   | I  | J  | K  | Kg   |
|-------------|-----|-----|--------|-----|--------|-----|-----|-----|----|----|----|------|
| Aspri 45 3N | 246 | 212 | 1 1/2" | 147 | 1 1/4" | 282 | 158 | 128 | 90 | 60 | 12 | 22,6 |
| Aspri 45 4N | 277 | 242 | 1 1/2" | 147 | 1 1/4" | 282 | 158 | 128 | 90 | 60 | 12 | 23,7 |
| Aspri 45 5N | 307 | 273 | 1 1/2" | 147 | 1 1/4" | 282 | 158 | 128 | 90 | 60 | 12 | 25,3 |

