

# BBA self-priming centrifugal pumps



**Type: B 300 BVGSMC**  
12" cast iron pump unit

## General:

The BBA self-priming centrifugal pump B 300 (12") is a robust centrifugal pump with flow capacity up to 1240 m<sup>3</sup>/h, total head up to 16 m and solid handling of 70 mm.

The construction with open impeller, changeable wear plate and large cleaning covers enables to pump clean or polluted liquids. The pump in cast iron, bronze or stainless steel is used in a wide range of markets.



## Applications:

Marine, industry, construction, irrigation, waste water, agriculture and horticulture.

## Technical specification:

### Pump:

|               |                          |
|---------------|--------------------------|
| model         | : B 300 BVGSMC           |
| max. flow     | : 1240 m <sup>3</sup> /h |
| max. head     | : 16 m                   |
| impeller size | : 394 mm                 |
| free passage  | : 70 mm                  |
| pump speed    | : 1000 rpm               |
| connections   | : DN 300                 |

### Electric drive:

|                 |   |
|-----------------|---|
| motor power     | : 55.0 kW – 6 pole                        |
| voltage         | : 3 ph 400/660 Volt                       |
| motor execution | : IP 55, ISO F                            |
| assembly        | : with coupling and motor on a base frame |
| weight          | : 1451 kg                                 |

### Materials:

|             |                   |          |
|-------------|-------------------|----------|
| pump casing | : steel st37      | – 1.0036 |
| head        | : cast iron GG 20 | – 0.6020 |
| wear plate  | : cast iron GG 20 | – 0.6020 |
| impeller    | : cast iron GG 20 | – 0.6020 |

|                 |                            |
|-----------------|----------------------------|
| shaft seal      | : mechanical seal          |
| seal faces      | : TC / TC / Viton          |
| pump shaft      | : steel C45 – 1.1191       |
| fixing material | : steel 8.8 el. galvanised |
| gaskets         | : NBR / Paper              |

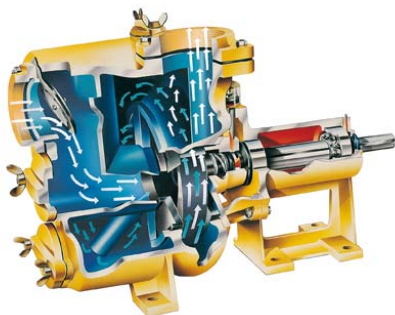
## Options B- series:

### Mechanical seals:

|          |                             |
|----------|-----------------------------|
| MG1 seal | sic/sic/EPDM                |
| TW seal  | graphite /ceramic/nitril    |
|          | graphite /ceramic/nitril    |
|          | t. carbide/t. carbide/viton |

### Gaskets:

|        |            |
|--------|------------|
| NBR    | (Perbunan) |
| Viton  | (FPM)      |
| EPDM   |            |
| Teflon | (PTFE)     |



### Extras:

|       |  |
|-------|--|
| +F    | Din Flanges                                  |
| +FK   | Din Flanges s.s.316                          |
| +BI   | impeller: bronze; shaft: s.s. 316            |
| +BII  | impeller-wear plate: bronze; shaft: s.s. 316 |
| +KI   | impeller-shaft: s.s. 316                     |
| +KII  | impeller-wear plate-shaft: s.s. 316          |
| +P    | perma grease cartridge                       |
| +VP   | grease glass (= including pump unit)         |
| +T    | trolley                                      |
| 60 Hz | motor 440 V – 60 Hz                          |

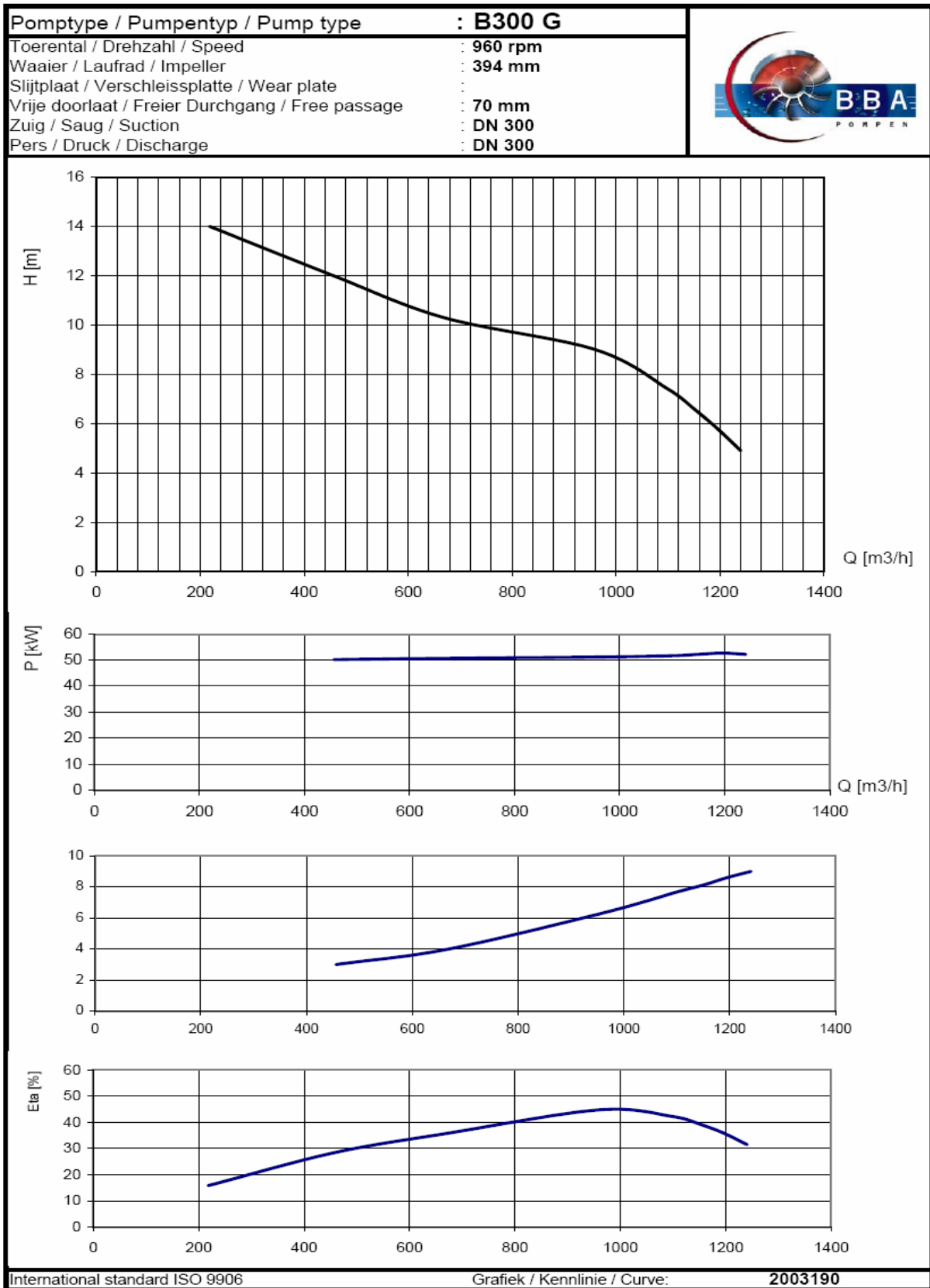
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