

BEDU
≡ POMPEN ≡

SELF-PRIMING SANITARY PUMPS



AS

made for your process



Self-Priming Sanitary Pumps



AS series

Standard design

AS series sanitary self-priming pumps. A close coupled design with independent shaft support and standard IEC motors. The ability of these pump to maintain a vacuum under varying suction conditions, makes them ideal for applications where the incoming liquid contains gas or air, such as vessel scavenging, the handling of foaming liquids or where the suction pipe is only partially flooded. Prior to the first start-up, they must be initially filled with liquid; subsequently, liquid remains in the pump, allowing rapid self-priming to occur, even if the suction pipe is emptied.

The construction materials and the quick disassembly design make the AS series particularly suitable for a wide range of applications.

All CF-3M 1.4404 / AISI 316L stainless steel parts.

Investment cast components with electro-chemical polishing.

Stainless steel adjustable feet.



AS single-stage pump



AS 2-stage pump

Seals:

Mechanical seals with seats to EN 12756, ISO 3069 standards.

- Single internal mechanical seal
- Flushed mechanical seal
- Double flushed mechanical seal

Elastomers (FDA):

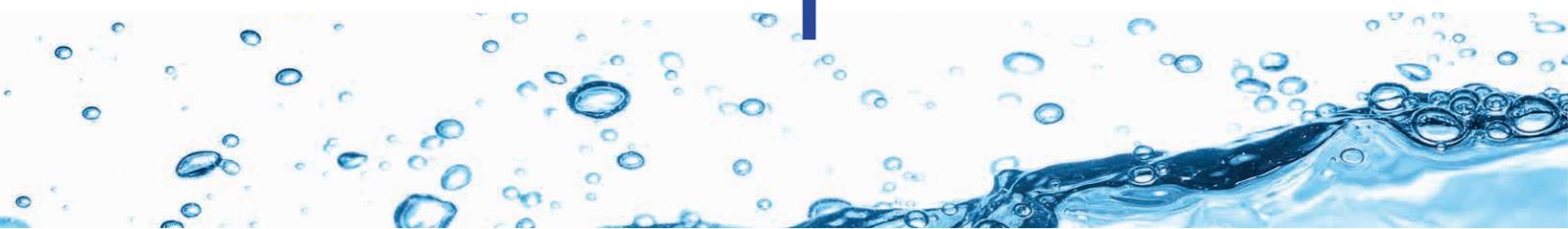
- EPDM
- Fluorocarbon (Viton)
- Silicone
- P.T.F.E. (FEP)
- FFPM

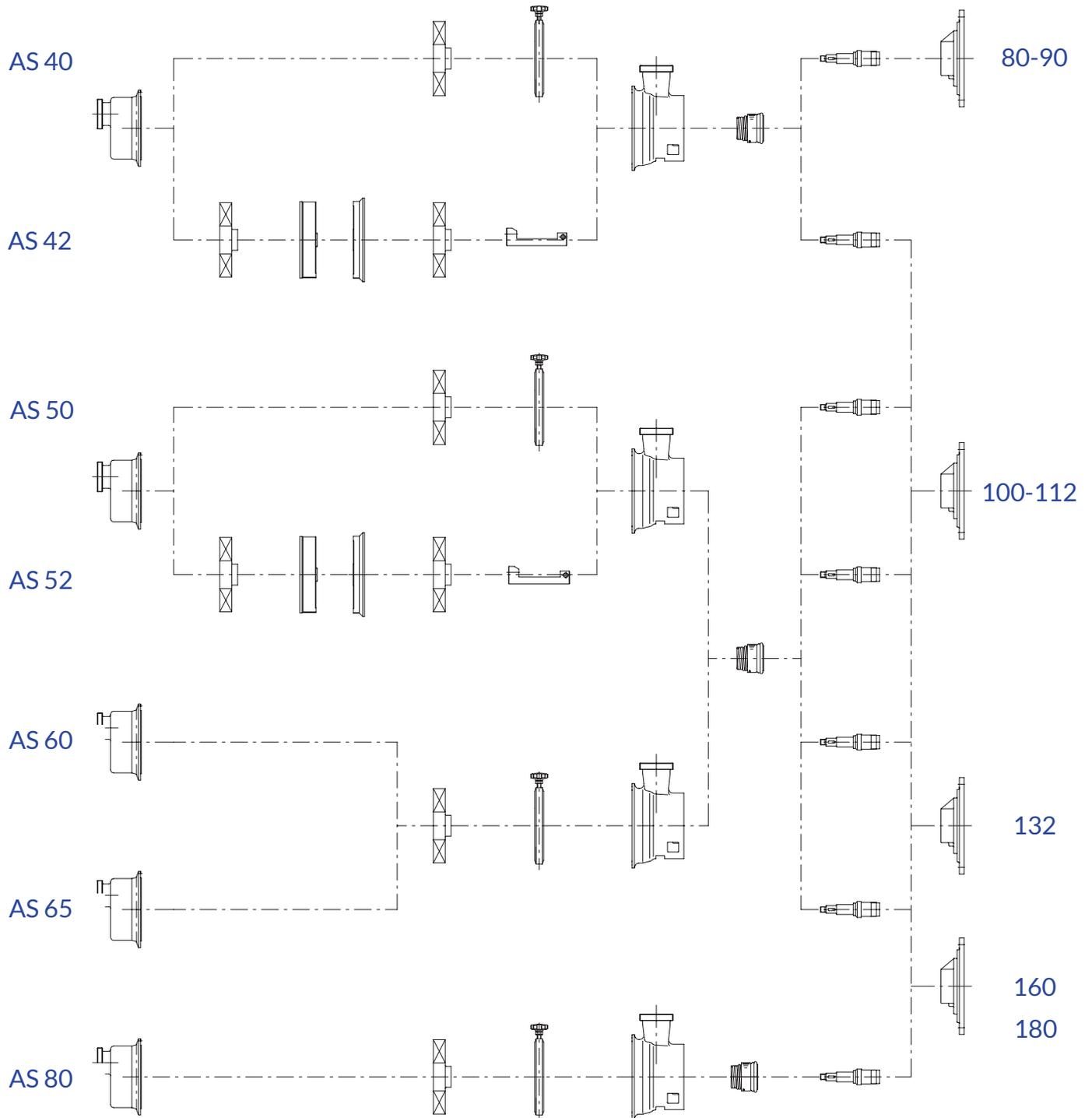
Connections:

DIN - SMS - IDF - BS / RJT - DS - CLAMP and EN 1092-1 PN16 flanges to suit most international standards.

Applications

AS series pumps incorporate design features and material technologies that enable them to fulfil a wide range of operational requirements within the food, beverage, dairy, pharmaceutical and chemical industries. They are especially suited for clear low viscosity fluids: CIP solutions, water, juices, wine, spirits, chemicals and pharmaceutical media, in CIP scavenge/return and tank emptying duties.

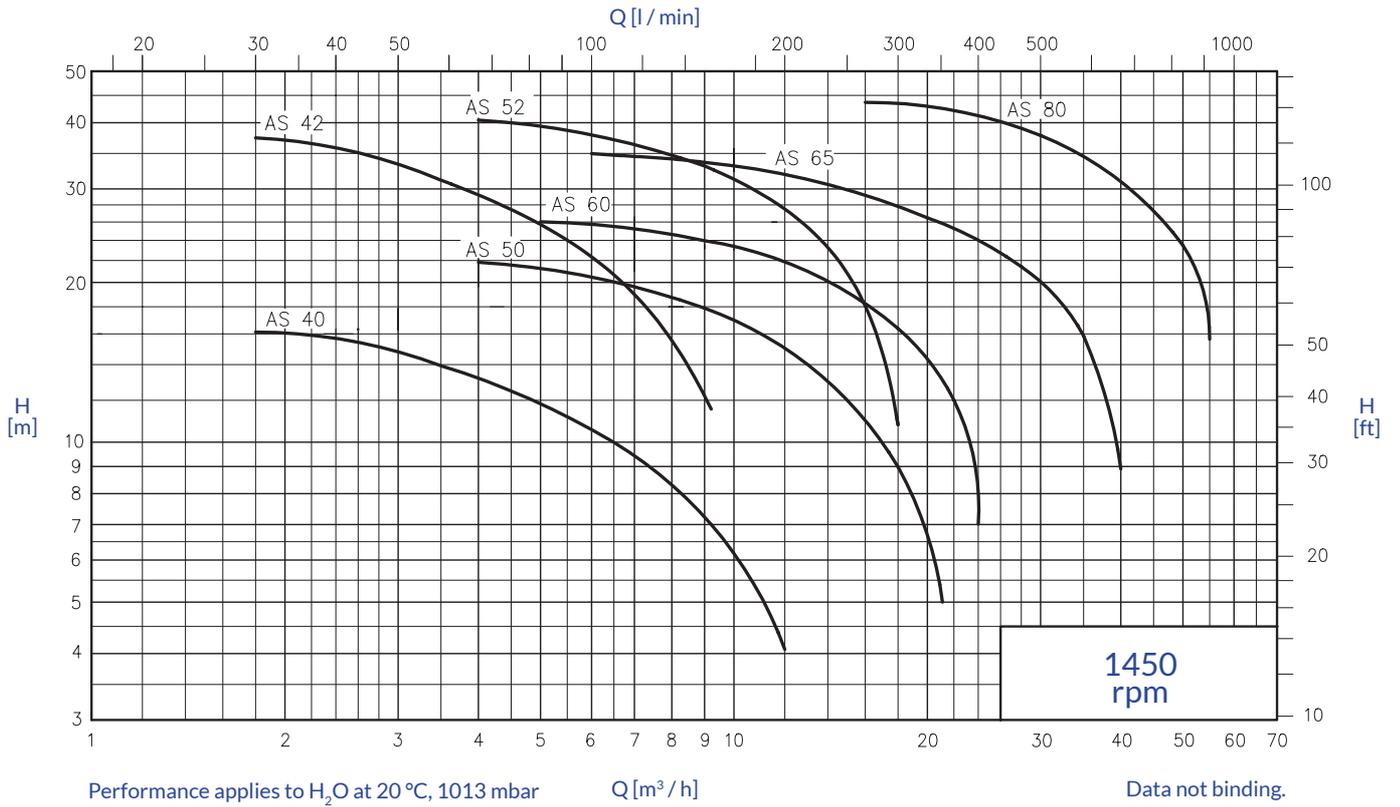




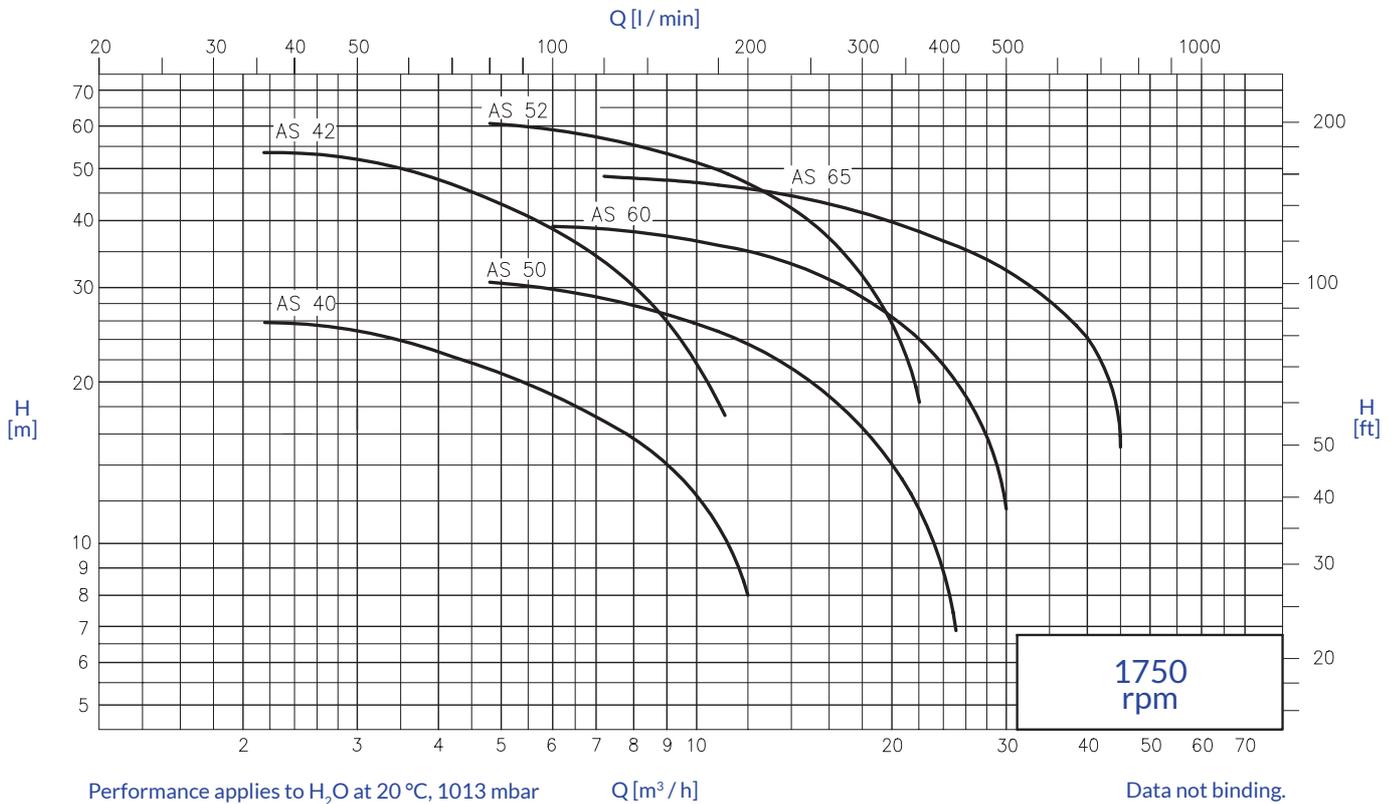
Star-shaped impellers in CF-3M 1.4404 / AISI 316L stainless steel achieved with micro-casting procedure.



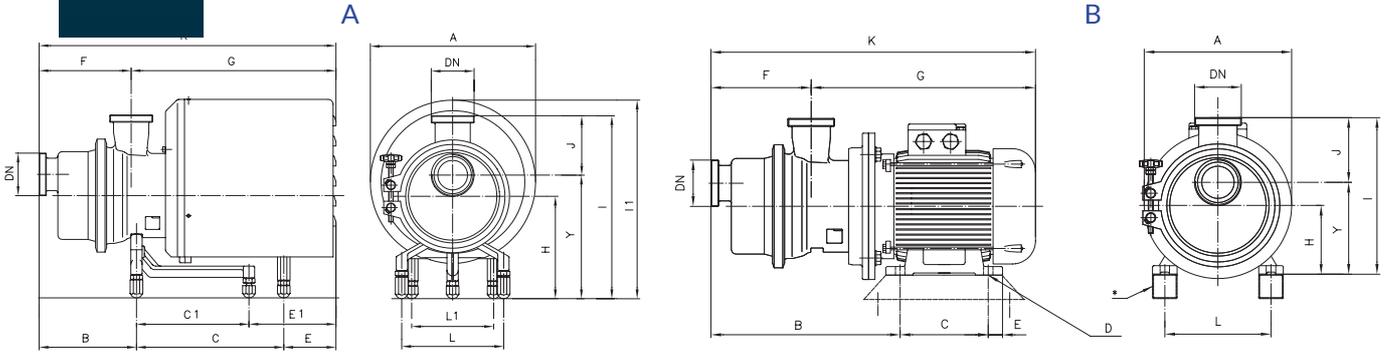
GENERAL DIAGRAM - 50 Hz



GENERAL DIAGRAM - 60 Hz



OVERALL DIMENSIONS



* Motor shims on request

A = with shroud

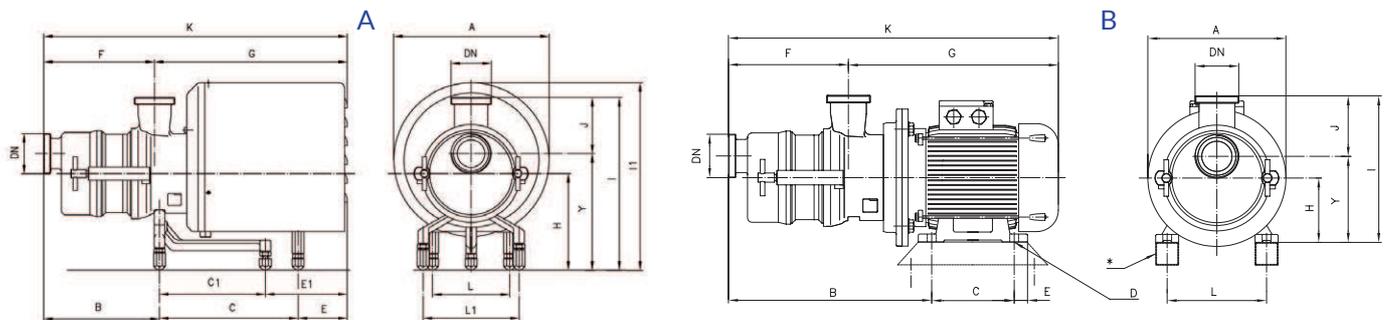
Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

| Pumps | 1450 rpm | kW | DN | A | B | C | C1 | E | E1 | F | G | K | H | J | I | I1 | Y | L | L1 |
|-------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|----|
| AS 40 | | 1,1 | 40 | 238 | 167 | - | 190 | - | 219 | 141 | 435 | 576 | 162 | 110 | 307 | 299 | 197 | 178 | - |
| | 1,5 | 40 | 238 | 167 | - | 190 | - | 219 | 141 | 435 | 576 | 162 | 110 | 307 | 299 | 197 | 178 | - | - |
| | 2,2 | 40 | 330 | 167 | - | 301 | - | 183 | 141 | 510 | 651 | 190 | 110 | 335 | 395 | 225 | 225 | - | - |
| AS 50 | 2,2 | 50 | 330 | 196 | - | 301 | - | 202 | 175 | 523 | 697 | 228 | 114 | 378 | 433 | 264 | 225 | - | - |
| | 4 | 50 | 330 | 196 | - | 301 | - | 202 | 175 | 523 | 697 | 228 | 114 | 378 | 433 | 264 | 225 | - | - |
| AS 60 | 4 | 65 | 330 | 216 | - | 301 | - | 202 | 211 | 514 | 719 | 228 | 135 | 408 | 433 | 273 | 225 | - | - |
| | 5,5 | 65 | 370 | 216 | 267 | - | 224 | - | 211 | 557 | 762 | 228 | 135 | 408 | 450 | 273 | 225 | 180 | - |
| AS 65 | 5,5 | 65 | 370 | 216 | 267 | - | 224 | - | 211 | 557 | 762 | 228 | 135 | 408 | 450 | 273 | 225 | 180 | - |
| | 7,5 | 65 | 370 | 216 | 267 | - | 224 | - | 211 | 557 | 762 | 228 | 135 | 408 | 450 | 273 | 225 | 180 | - |
| AS 80 | 11 | 80 | 430 | 267 | 375 | - | 347 | - | 248 | 848 | 1096 | 228 | 160 | 446 | 491 | 286 | 225 | 230 | - |
| | 15 | 80 | 430 | 267 | 375 | - | 347 | - | 248 | 848 | 1096 | 228 | 160 | 446 | 491 | 286 | 225 | 230 | - |

B = without shroud

Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

| Pumps | 1450 rpm | kW | DN | A | B | C | øD | E | F | G | K | H | J | I | Y | L | M | N | O |
|-------|----------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| AS 40 | | 1,1 | 40 | 200 | 296 | 100 | 10 | 34 | 141 | 380 | 521 | 90 | 110 | 235 | 125 | 140 | - | - | - |
| | 1,5 | 40 | 200 | 296 | 125 | 10 | 9 | 141 | 380 | 521 | 90 | 110 | 235 | 125 | 140 | - | - | - | - |
| | 2,2 | 40 | 250 | 308 | 140 | 12 | 18 | 141 | 416 | 557 | 100 | 110 | 245 | 135 | 160 | - | - | - | - |
| AS 50 | 2,2 | 50 | 250 | 343 | 140 | 12 | 18 | 175 | 419 | 594 | 100 | 114 | 250 | 136 | 160 | - | - | - | - |
| | 4 | 50 | 250 | 351 | 140 | 12 | 18 | 175 | 441 | 616 | 112 | 114 | 262 | 148 | 190 | - | - | - | - |
| AS 60 | 4 | 65 | 250 | 372 | 140 | 12 | 18 | 211 | 431 | 636 | 112 | 135 | 292 | 157 | 190 | - | - | - | - |
| | 5,5 | 65 | 300 | 412 | 140 | 12 | 20 | 211 | 492 | 697 | 132 | 135 | 312 | 177 | 216 | - | - | - | - |
| AS 65 | 5,5 | 65 | 300 | 412 | 140 | 12 | 20 | 211 | 492 | 697 | 132 | 135 | 312 | 177 | 216 | - | - | - | - |
| | 7,5 | 65 | 300 | 412 | 178 | 12 | 20 | 211 | 492 | 697 | 132 | 135 | 312 | 177 | 216 | - | - | - | - |
| AS 80 | 11 | 80 | 350 | 555 | 210 | 15 | 23 | 248 | 677 | 925 | 160 | 160 | 378 | 218 | 254 | - | - | - | - |
| | 15 | 80 | 350 | 555 | 254 | 15 | 23 | 248 | 677 | 925 | 160 | 160 | 378 | 218 | 254 | - | - | - | - |



* Motor shims on request

A = with shroud

Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

| Pumps | 1450 rpm | kW | DN | A | B | C | C1 | E | E1 | F | G | K | H | J | I | I1 | Y | L | L1 |
|-------|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| AS 42 | | 2,2 | 40 | 330 | 226 | - | 301 | - | 183 | 200 | 510 | 710 | 190 | 110 | 335 | 395 | 225 | 225 | - |
| | 3 | 40 | 330 | 226 | - | 301 | - | 183 | 200 | 510 | 710 | 190 | 110 | 335 | 395 | 225 | 225 | - | - |
| AS 52 | 5,5 | 50 | 370 | 258 | 266 | - | 280 | - | 237 | 567 | 804 | 228 | 114 | 378 | 450 | 264 | 225 | 180 | - |

B = without shroud

Dimensions not binding - DN = DIN 11851 male threaded connections, with standard IEC/EN motors

| Pumps | 1450 rpm | kW | DN | A | B | C | øD | E | F | G | K | H | J | I | Y | L | M | N | O |
|-------|----------|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| AS 42 | | 2,2 | 40 | 250 | 365 | 140 | 12 | 18 | 200 | 416 | 616 | 100 | 110 | 245 | 135 | 160 | - | - | - |
| | 3 | 40 | 250 | 365 | 140 | 12 | 18 | 200 | 416 | 616 | 100 | 110 | 245 | 135 | 160 | - | - | - | - |
| AS 52 | 5,5 | 50 | 300 | 454 | 140 | 12 | 20 | 237 | 502 | 739 | 132 | 115 | 282 | 168 | 216 | - | - | - | - |



BEDU
≡ P O M P E N ≡

made for your process

- Expert advice
- A customer-oriented organization that adapts to the requirements and wishes of your organization
- Innovative and customized solutions
- Breakdownservice, 24 hours a day, 7 days a week
- Technical service with extensive test facilities, working from our own workplace or at your location
- A fast and appropriate solution for all your issues
- Wide range of liquid pumps
- Repair, maintenance and revision

BEDU POMPEN B.V.
Poort van Midden Gelderland Rood 10
6666 LT HETEREN
Nederland
Telefoon +31 (0)88 4802 900
E-mail sales@bedu.eu

WWW.BEDU.NL

BEDU BELGIUM B.V.B.A.
Industriepark-West 75
9100 SINT-NIKLAAS
België
Telefoon +32 (0)3 80 87 980
E-mail sales@bedu.eu

WWW.BEDU.BE

