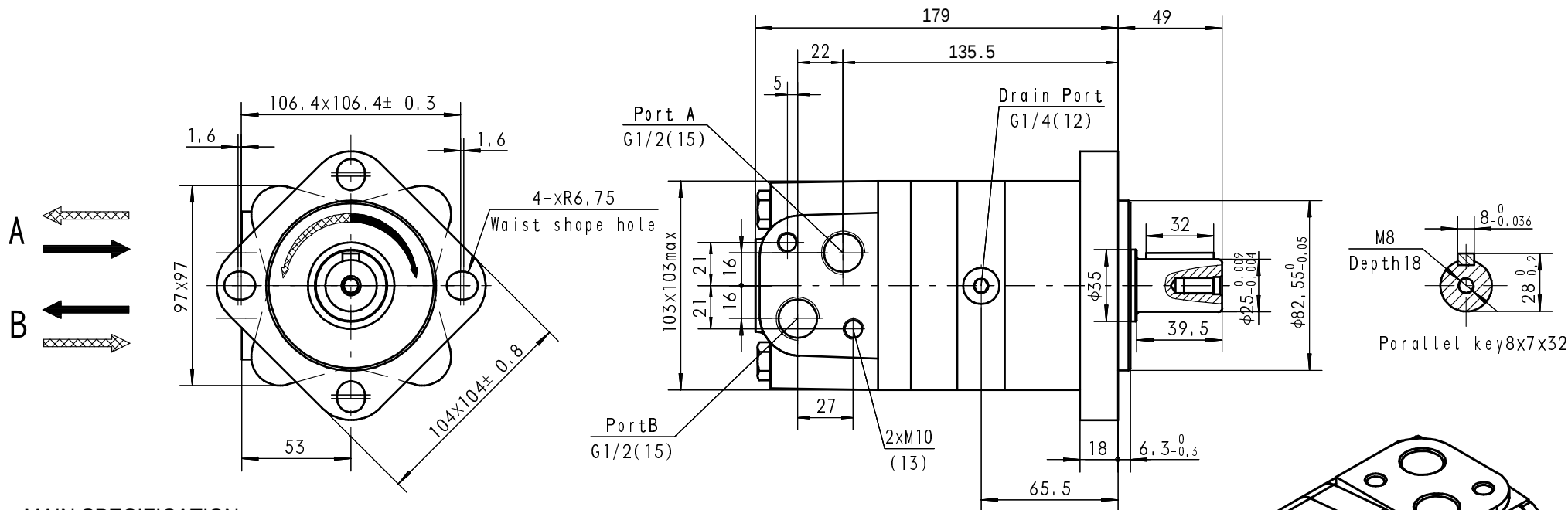




### MAIN SPECIFICATION

Type BMSY-125-E4-B-D-B

Geometric displacement(cc/rev)125

Max speed (rpm): cont. 600  
int. 720

Max torque (Nm): cont. 365  
int. 480

Max output (kw): cont. 18  
int. 23

Max pressure drop (MPa) cont. 20.5  
int. 27.5  
peak 29.5

Max flow(L/min): cont. 75  
int. 90

Max Inlet pressure (MPa) cont. 25  
int. 30

Direction of shaft rotation: Standard

When facing shaft end of motor, shaft to rotate: Max.int.

Clockwise when port "A" is pressurized.

Counter-clockwise when port "B" is pressurized.

B:Black

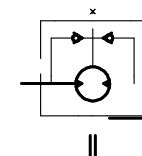
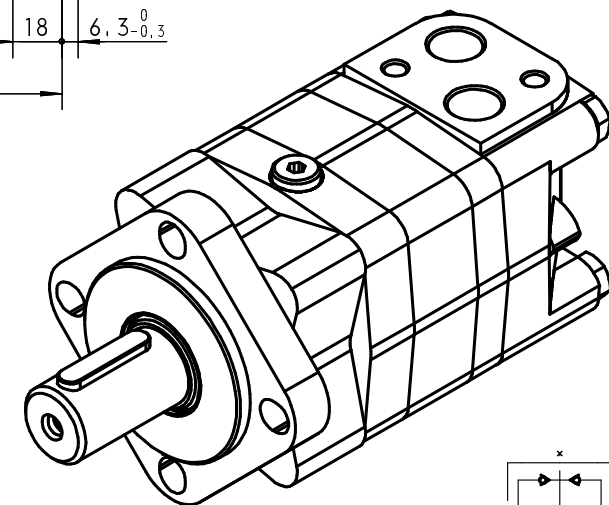
BMSY125 [125cm<sup>3</sup>/rev.]

Pressure (MPa)

|              |     | Pressure (MPa) |     |      |     |      | Max.cont. | Max.int. |
|--------------|-----|----------------|-----|------|-----|------|-----------|----------|
|              |     | 3.5            | 7   | 10.5 | 14  | 17.5 | 20.5      | 22.5     |
| Flow (L/min) | 15  | 55             | 120 | 176  | 245 | 309  | 345       | 375      |
|              |     | 115            | 113 | 110  | 104 | 98   | 90        | 84       |
|              | 30  | 55             | 120 | 175  | 250 | 315  | 364       | 404      |
|              |     | 231            | 228 | 223  | 214 | 202  | 188       | 172      |
|              | 40  | 53             | 118 | 178  | 250 | 315  | 364       | 403      |
|              |     | 312            | 309 | 290  | 289 | 278  | 262       | 235      |
|              | 50  | 50             | 115 | 176  | 248 | 315  | 362       | 397      |
|              |     | 391            | 386 | 378  | 365 | 352  | 339       | 308      |
| 60           | 45  | 113            | 171 | 241  | 308 | 358  | 397       |          |
|              | 469 | 461            | 450 | 437  | 425 | 400  | 372       |          |
| Max.cont.    | 75  | 45             | 110 | 167  | 240 | 306  | 352       | 389      |
| 588          |     | 574            | 560 | 544  | 526 | 505  | 481       |          |
| Max.int.     | 90  | 40             | 105 | 162  | 237 | 301  | 343       | 378      |
| 710          |     | 696            | 680 | 661  | 646 | 628  | 610       |          |

TORQUE(N·m) 301  
SPEED (r/min) 646

cont.  
int.



HGB S.R.L.

BMSY Assembly drawing

BMSY-125-E4-A-D-B