

# Hydraulic pump

## HY85/160HC

### PUMP SPECIFICATIONS

|                                 |                     |
|---------------------------------|---------------------|
| Capacity [m³/h]                 | 650                 |
| Head [m]                        | 27.5                |
| Impeller diameter [mm]/type     | 405/3 blades closed |
| Flanged bore size [DN.../PN...] | DN250/PN10          |
| Cross section diameter [mm]     | 90                  |
| Weight[kg]                      | 1100                |

### HYDRAULIC MOTOR

|                           |         |
|---------------------------|---------|
| Motor displacement [cc]   | 160     |
| Max. oil flow rate[l/min] | 240     |
| Max. pressure [bar]       | 300     |
| Power [kW-HP]             | 120-165 |
| Speed [RPM]               | 1450    |

### MATERIALS

|               |                                             |
|---------------|---------------------------------------------|
| Casing        | Spheroidal cast iron EN-GJS-500-7 (EN 1563) |
| Motor housing | Cast iron EN-GJL-250 (EN 1561)              |
| Wear parts    | High chrome EN-GJN-HV600 (XCr18) (EN 12513) |
| Main shaft    | High tensile steel 39NiCrMo3 (AISI 9840)    |

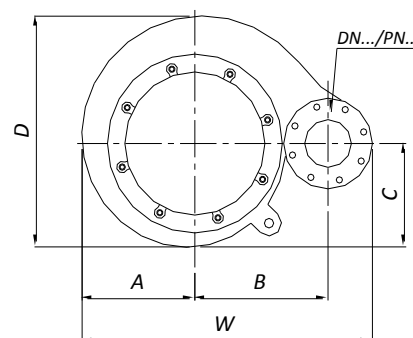
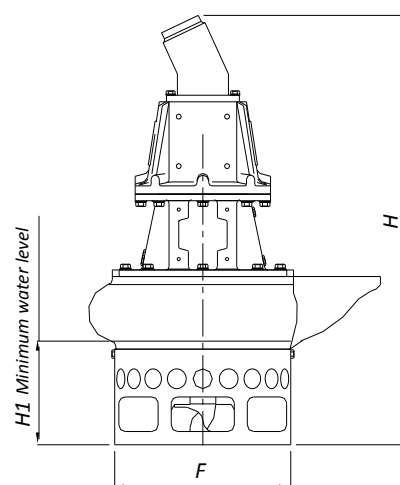
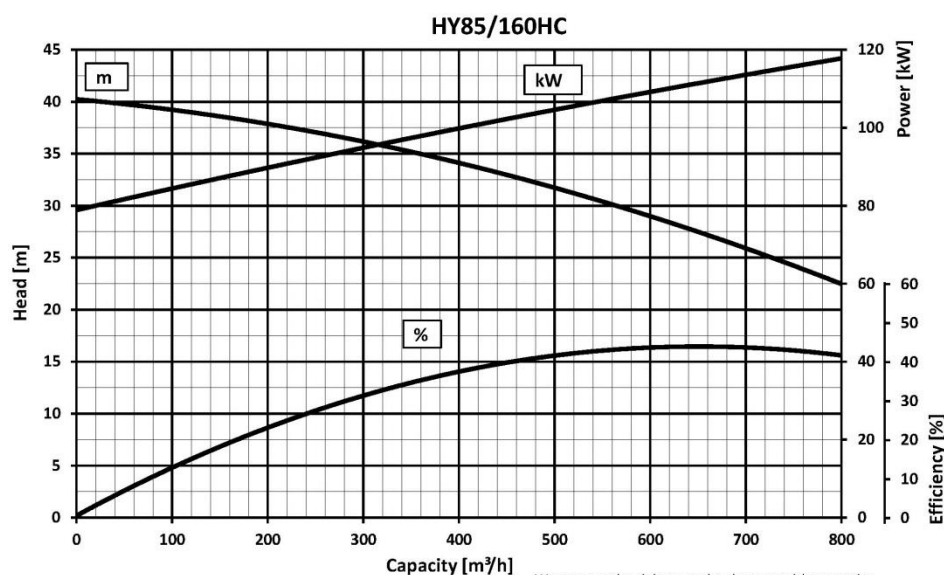
### SEALS / LUBRICANT

|                     |                                                |
|---------------------|------------------------------------------------|
| Motor side seals    | 2 lip seals (BUNA)                             |
| Impeller side seals | 5 lip seals (3 BUNA + 2 PTFE) + 1 V-RING (TPU) |
| Oil type            | ISO 320                                        |

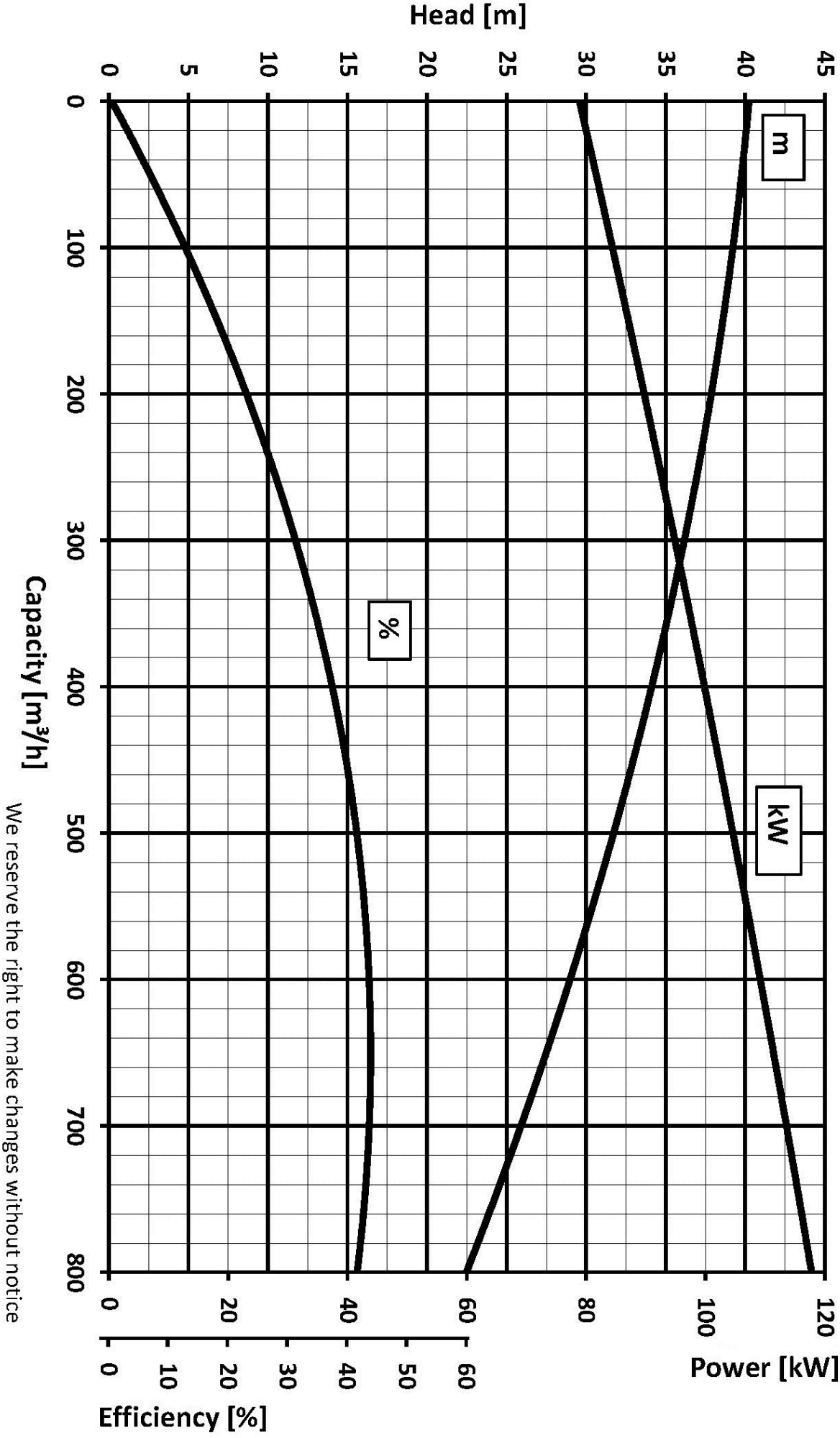
### DIMENSIONS [mm]

| H    | W    | D    | F   | H1  | A   | B   | C   |
|------|------|------|-----|-----|-----|-----|-----|
| 1470 | 1165 | 1020 | 548 | 326 | 449 | 485 | 449 |

### PERFORMANCE CURVES



HY85/160HC



We reserve the right to make changes without notice