

FAMILY: GQS, GQV



Construction

Single-impeller submersible pumps, with free-flow (vortex) impeller.

GQS: with vertical threaded delivery port G 1 1/2" or G 2".

GQV: with horizontal G 2" or G 2 1/2 threaded delivery port and with DN 50 or DN 65 flanged delivery port.

Double mechanical shaft seal with interposed oil chamber, to protect against dry-running.

Application

- For domestic or industrial waste water, dirty water with solids up to 40,50,65 mm grain size, for liquids which are compatible with the pump materials.
- For draining rooms or emptying tanks.
- Extraction of water from ponds, streams or pits and for rainwater collection.

Operating conditions

Liquid temperature up to 35° C.

pH value: 6-11.

Maximum immersion depth: 5 m.

Minimum immersion depth: 275 mm (355 mm for GQV 65).

Continuous duty (with submerged motor).

Pump data

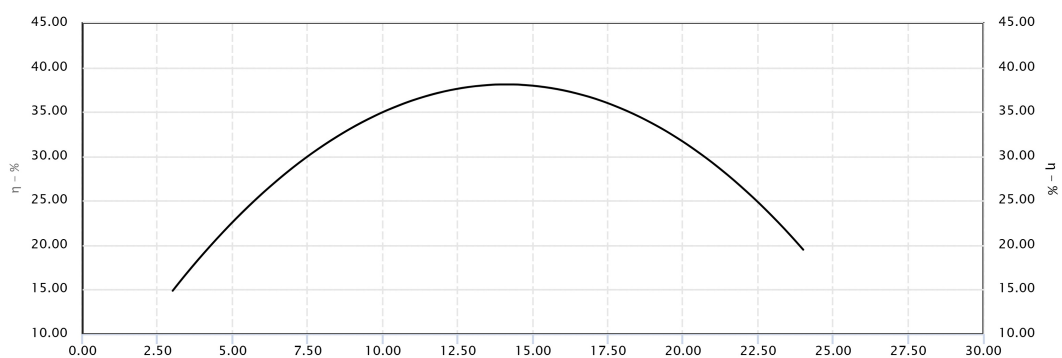
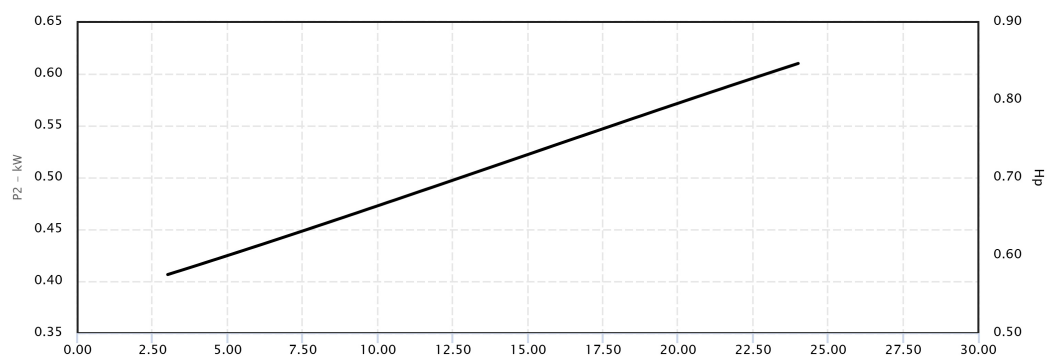
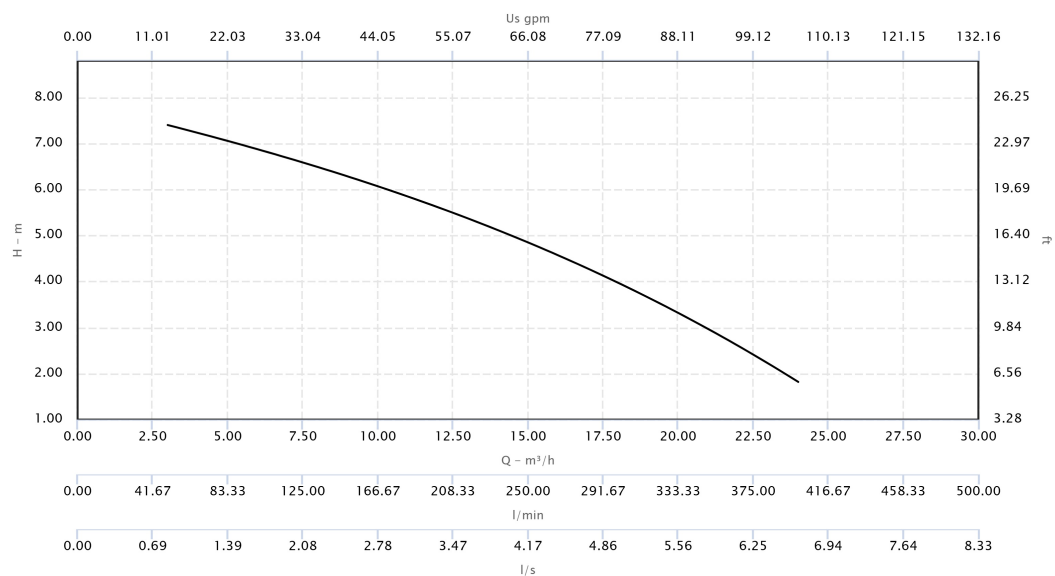
H max (m): 7.40
H min (m): 1.80
Q min (mc/h): 3.00
Q max (mc/h): 24.00
Impeller diameter (mm): 90.00
N. of impellers: 1
PF: 0.97
Weight (kg): 16,00

Motor data

n (rpm): 2900
Pn (kW): 0.55
Pn (HP): 0.75
Motor type: IM
Motor phases: 1~
Un (V): 230
fn (Hz): 50
Motor poles: 2
In (A): 4.3
Insulation class: F
Service: S1
Ingress protection: IP X8

Construction materials

Handle: Polypropylene (with frame in AISI 304)
Pump Casing: Cast iron GJL 200 EN 1561
Casing Cover: Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Impeller: Cast iron GJL 200 EN 1561
Oil chamber cover: Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Motor jacket: Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Shaft: Cr-Ni steel 1.4301 EN 10088 (AISI 304)
Mechanical Seal: Ceramic Alumina-Carbon-NBR
Upper Mechanical Seal: Ceramic Alumina-Carbon-NBR
Lower Mechanical Seal: Ceramic Alumina-Carbon-NBR
Seal lubrication oil : Oil for food-Pharmaceutical machinery



Dimensions (mm)

a1: 90.00 mm
fM: 460.00 mm
j1: 430.00 mm
l1: 89.00 mm
l2: 94.00 mm
l3: 150.00 mm
Lmax: 535.00 mm
Lmin: 275.00 mm
de: 165
dk: 125
dn2: G 2 (DN50)
l5: 242
p: 50
s: 19 (M8)

