

JS 1-180 G10

Bare shaft - Qmax 29 m³/h (130 USgpm) - Hmax 57 m (187 ft)



Product data

Pump model	JS 1-180 G10
Qmax	29 m³/h - 480 l/min (100 USgpm)
Hmax	57 m (187 ft)
Suction port	threaded - 1 1/2" BSP
Delivery port	threaded - 1 1/2" BSP
Impeller type	Semi-Open, 4 vane
Solids handling	11 mm
Casing	EN-GJL-200 cast iron
Impeller	EN-GJS-500 ductile iron
Wear plate	EN-GJL-200 rubber lined cast iron
Non-return valve	check-valve, NBR
Shaft	C45 steel
Mechanical seal	Silicon carbide / Silicon carbide
Elastomers	NBR
Lubrication	Grease
Coatings	Bicomponent, av. thickness 80 µm
Color	RAL 5010 blue (standard)
Weight	44 kg (100 lb)

J

Self-priming centrifugal pumps

The J series self-priming centrifugal pumps are for applications where the main feature is the difficulty in priming: even with suction heights of several meters the machine quickly evacuates the air from the suction pipe and starts pumping. Furthermore, compared to other pumps, the semi-open impeller makes the J suitable for pumping liquids with solids in suspension.

Optionals

1 1/2" NPT threaded ports
DN 40 EN 1092-1 flanged ports
ANSI B16.5 flanged ports
Automatic lubrication system with grease cartridge

Dimensions

Benefits

Indicative picture of the product

Rapid self-priming

Without foot valve up to a height of 7.5 m (24.5 ft)

High resistance

To abrasive liquids and turbid sandy waters

Semi-open impeller

Solids handling up to 11 mm (0.4")

Wear plate

in cast iron lined with abrasion resistant rubber, easily replaceable, front to the impeller

Easy maintenance

Removable front cover for direct access to the impeller

JS 1-180 G10



varisco
solid pumping solutions

Performance curves

Test according to UNI EN ISO 9906 standard - level 2

Test liquid: clean water, density 1,000 kg/m³

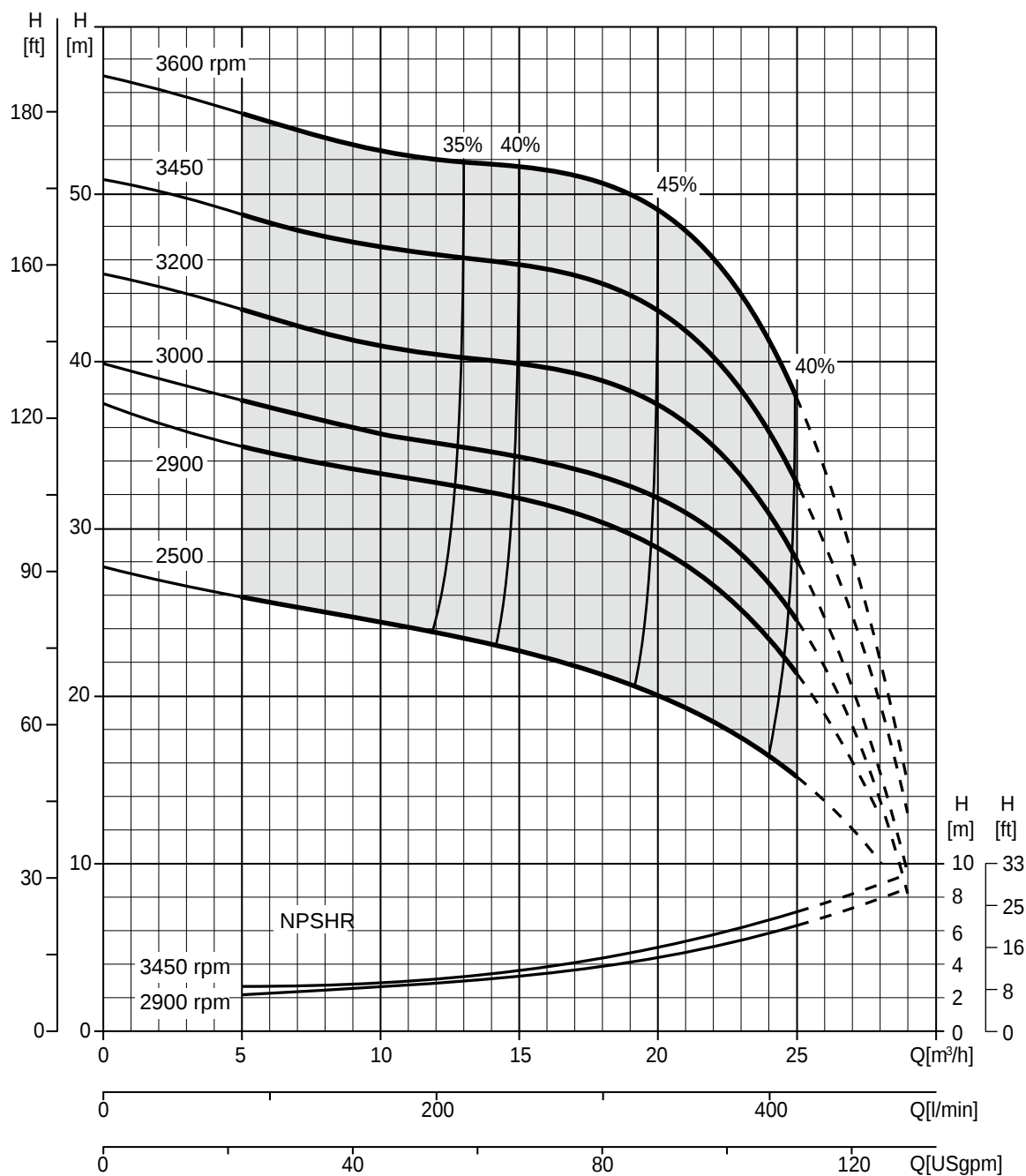
Spherical solids handling: D.11 mm (0.4")

Priming time: 27 s from 1,5 m (4.9 ft)

Max absorbed power: 6,4 kW - 8.6 HP (3.600 rpm)

Electric motor power: 4,0 kW - 5,5 HP (2900 rpm) / 5,5 kW - 7,5 HP (3450 rpm)

Recommended
operating range



HEMPEL
Pumpen Technik