



# LIQUID RING VACUUM PUMP KS625 (W11)

**Range:** 65 to 3000 mbar  
**Capacity:** Up to 750 m<sup>3</sup>/h  
**Power:** 11 - 75 Kw

**PROVEN  
TECHNOLOGY**

SAMSON PUMPS liquid ring vacuum pump KS625 (W11) is designed to meet the demands in continuous and rough areas and wet processes.

The KS625 is as standard equipped with fully welded stainless steel rotor and shaft and mechanical shaft seals ensuring a long life and low operating costs.



## FEATURES

- Stainless steel rotor & shaft
- Mechanical shaft seals
- Wide applicability
- Few components
- Choice of materials

## BENEFITS

- Long life time cycle
- Low maintenance costs
- Cost effective performance
- Reliability and flexibility
- Low noise emission
- Vacuum und pressure

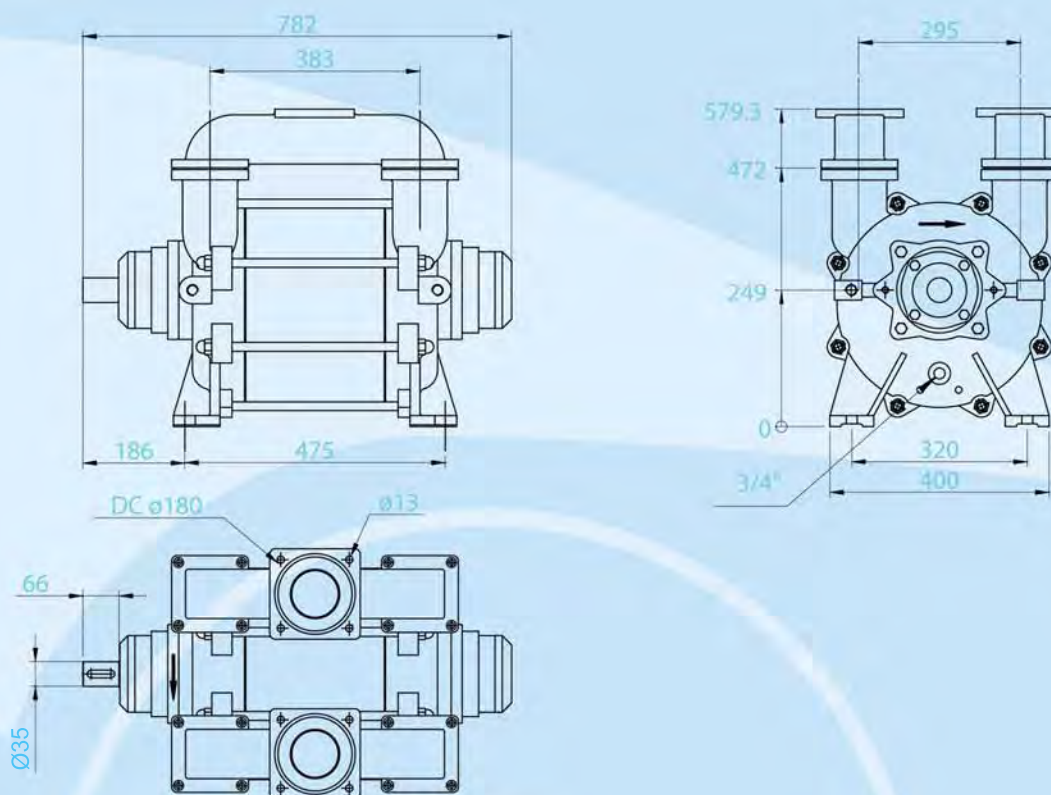
The KS625 liquid ring vacuum pump has the latest technology incorporated. It is produced and tested under strict and continuous quality control to ensure a reliable operation.

## APPLICATION AREAS

SAMSON PUMPS KS625 liquid ring vacuum pumps are used in a wide spectrum of industrial environments such as processing, food and fishing industry and off-shore.



# TECHNICAL SPECIFICATIONS

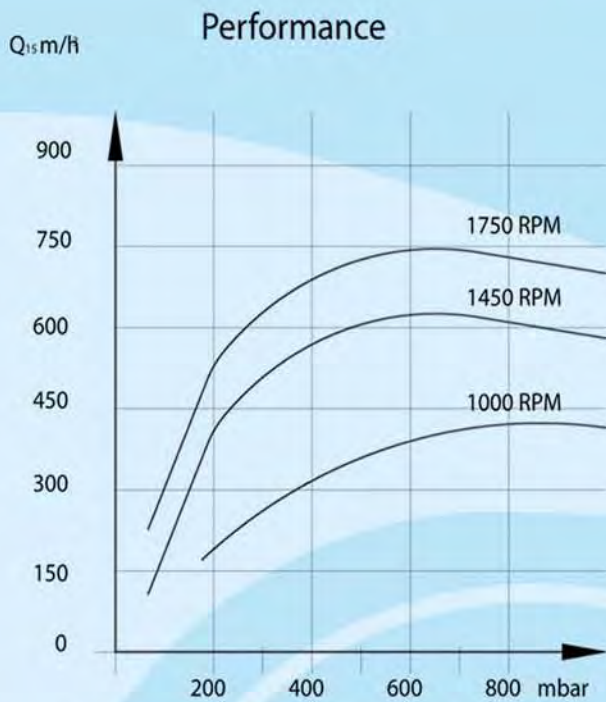


Technical data	
Weight ex. branch pipes	kg 228
Sound pressure	db(A) 80
Test pressure	bar.g 5
Rotation speed range	rpm 800-1450
Gas temperature, max.	°C 120
Service liquid temperature, max.	°C 90
Bearing, greasable	- Roller/ball
Pump colour	RAL 5021

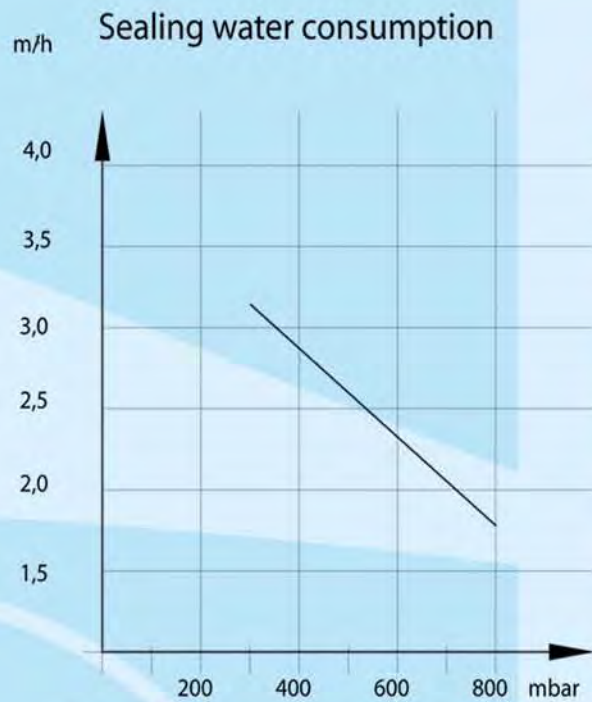
Material specification				
Component/material	Cast iron	St. steel	Bronze	Composite
Pump housing	EN-GJL-250 EN 1561	-	-	-
Casing	EN-GJL-250 EN 1561	WST 1.4404	-	-
Flow plates	EN-GJL-250 EN 1561	WST 1.4401	-	-
Rotor	-	WST 1.4404	-	-
Shaft	-	WST 1.4418	-	-
Mechanical sealing	Carbon / NBR / stainless steel (AISI 316)			



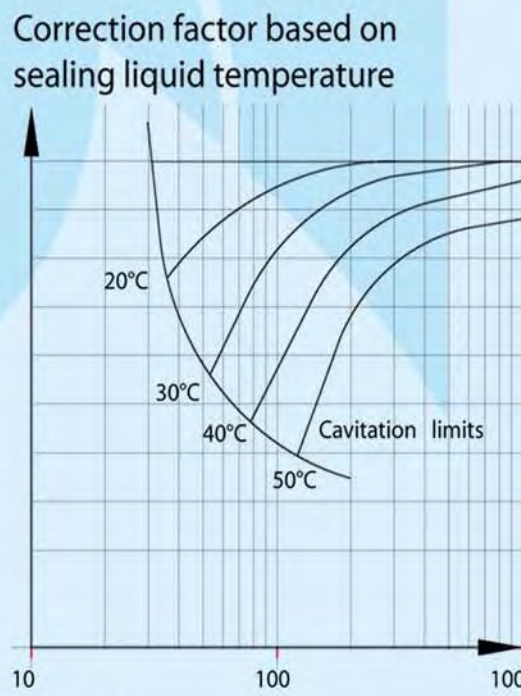
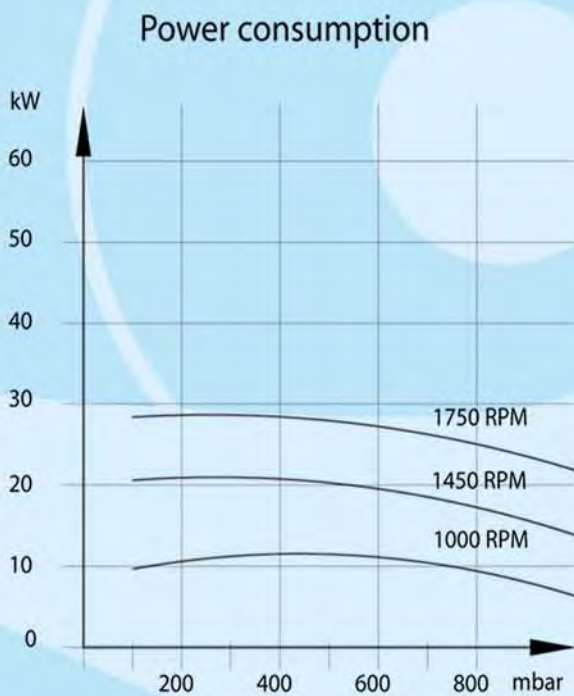
# KS625 (W11) VACUUM PERFORMANCE



Air temperature 20°C  
 Sealing water temperature 15°C  
 Performance based on dry air at 1013 mbar  
 Tolerance +/- 10%



Consumption at no recovery

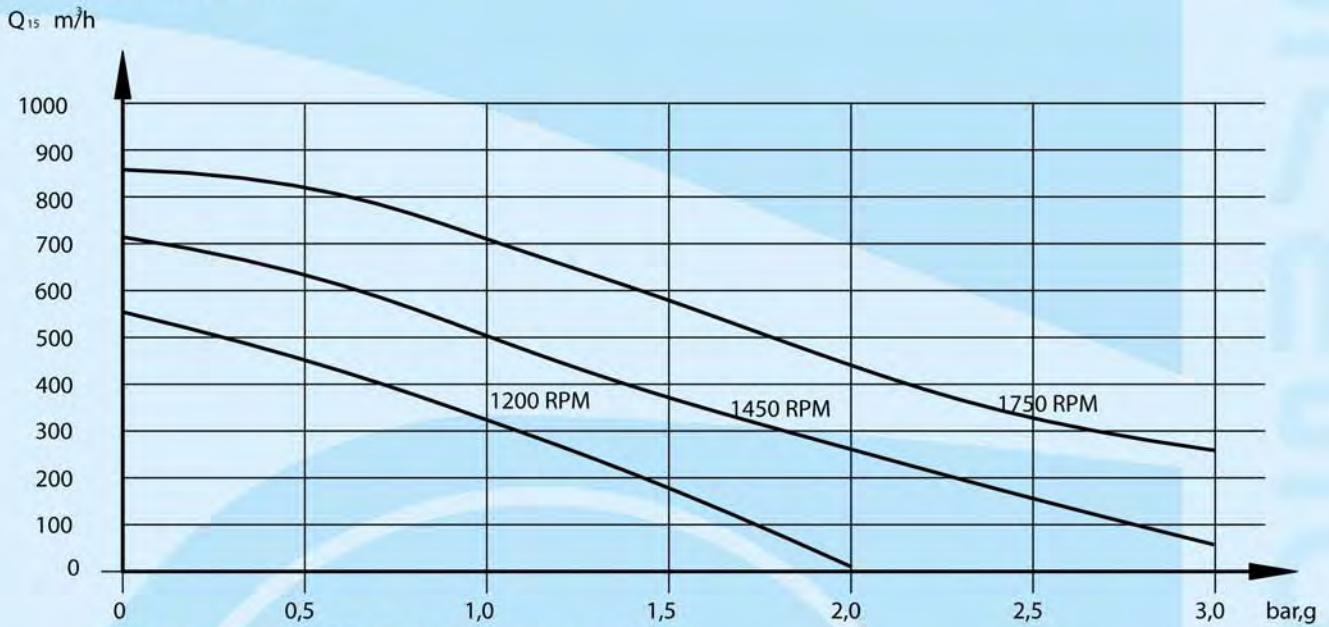


$Q_t = Q_{15} * K$   
 Pump performance at temperature of sealing liquid higher than 15°C



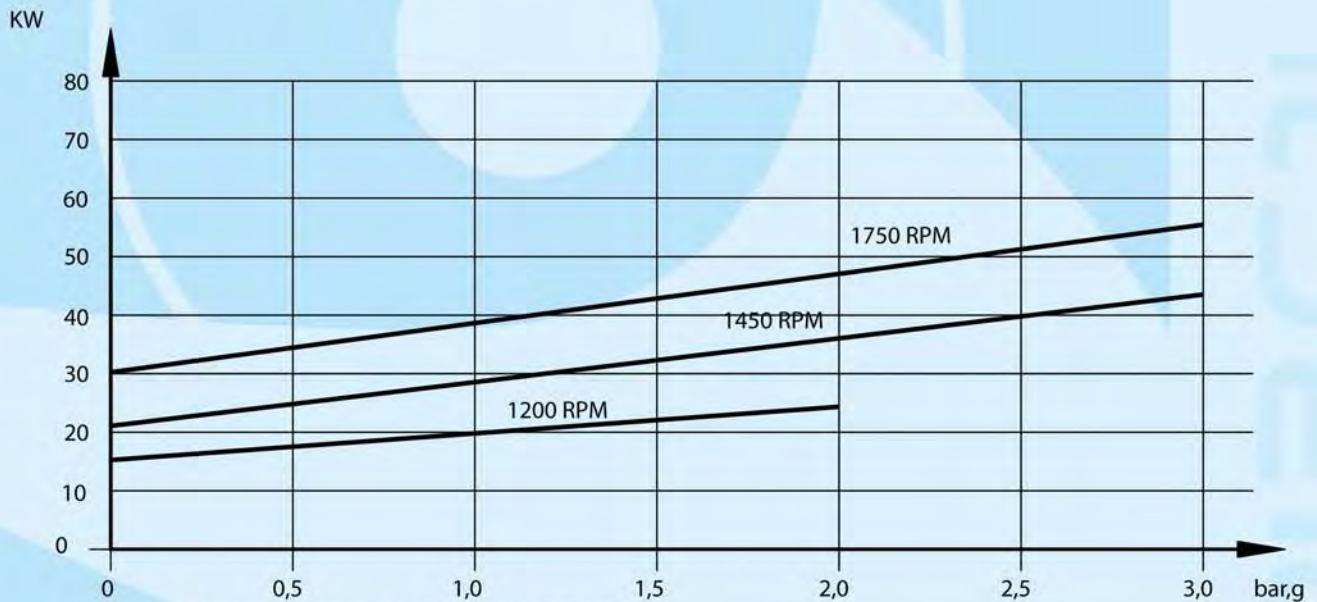
# KS625 PRESSURE PERFORMANCE

## Performance



Air temperature 20°C, Sealing water temperature 15°C  
Tolerance +/- 10%  
Sealingwater flow 3 m/h<sup>3</sup>

## Power consumption



Air temperature 20°C, Sealing water temperature 15°C  
Tolerance +/- 10%  
Sealingwater flow 3 m/h<sup>3</sup>