

## EHR2190 liquid ring vacuum pump

**Within Edwards' full range of liquid ring vacuum pumps, the EHR/SHR series offers a two-stage construction for peak performance at low suction pressures**

Liquid ring pumps are ideal for pumping either dry or wet gases, with a high tolerance to liquid carry over. Pumps are available in a variety of materials which can be selected to handle the pumped process media.

All Edwards liquid ring pumps are available as part of ATEX category 1 or category 2 pump systems. The EHR2190 is ideal for vacuum distillation and evaporator applications in the chemical, pharmaceutical and biofuels industry, and is also suited to condenser air extraction in the power industry.

Pumps can be supplied as bare shaft or as part of a package complete with drive motor, discharge separator, heat exchanger and other accessories for recirculation of the seal liquid.



### Features and benefits

- Two stage design - peak efficiency at high vacuum
- Operates across entire vacuum range
- Mechanical shaft seals
- Choice of construction materials
- Rugged, robust construction
- Minimum number of body joints
- Externally mounted bearings



# Technical data

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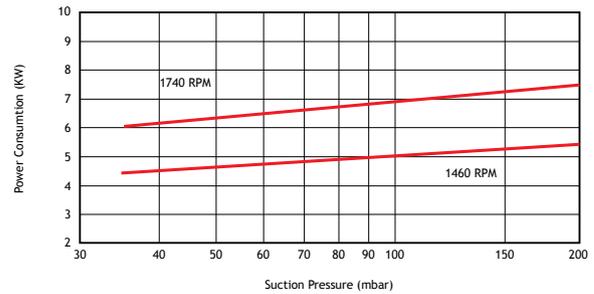
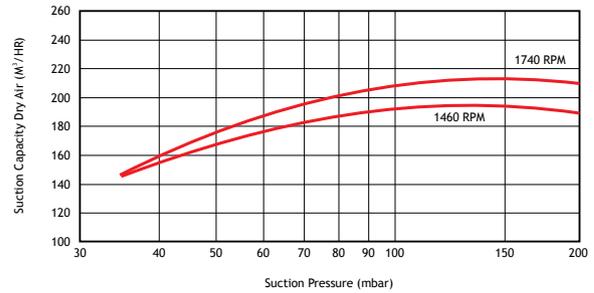


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Performance details	50 Hz	60 Hz
Nominal capacity	190 m <sup>3</sup> /h	215 m <sup>3</sup> /h
Suction pressure	30 mbara	30 mbara
Nominal speed	1470 rpm	1740 rpm
Nominal motor power	5.5 kW	7.5 kW
Weight	90 kg	

## Speed curves



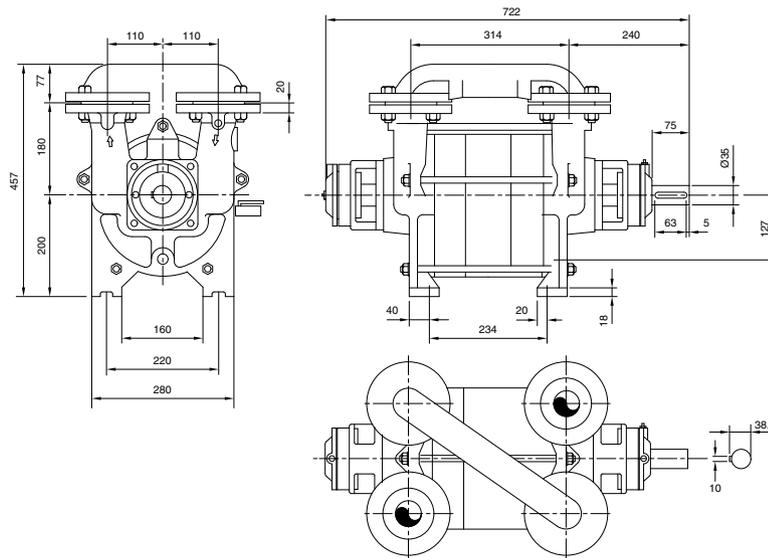
## Materials of construction

	Cast Iron	Stainless Steel	Stainless Steel Fitted
Casing	Cast Iron	CF8M	Cast Iron
Body	Cast Iron	CF8M	Cast Iron
Impeller	SG Iron	CF8M	CF8M
Shaft	420S37	316S11	316S11
Seals	Mechanical	Mechanical	Mechanical

Edwards reserves the right to use equivalent materials.

## Dimensions

Service liquid connection Rp 1/2"



Suction & discharge connection 50mm NB BS4504 NP16

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