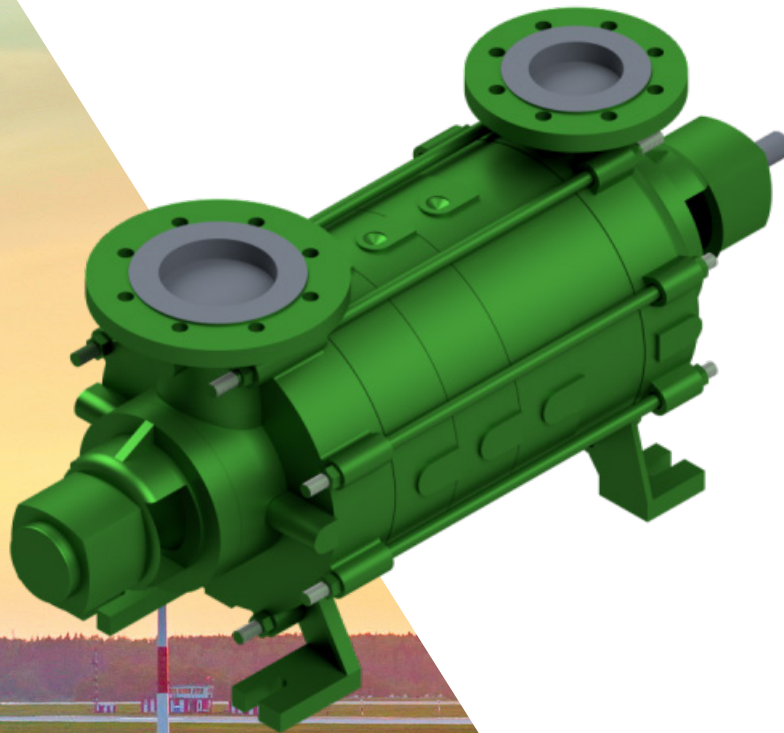


# Centrifugal pump Type HZS

- Self priming
- Specially designed for pumping Hydrocarbons in refueling systems



## Applications

- |   |                                     |
|---|-------------------------------------|
| Oil & Gas                                     | <input type="checkbox"/>            |
| Chemistry & Petrochemistry                    | <input type="checkbox"/>            |
| Offshore                                      | <input checked="" type="checkbox"/> |
| Ship technology & Marine                      | <input checked="" type="checkbox"/> |
| Refueling equipment & Aviation                | <input checked="" type="checkbox"/> |
| Industrial heating systems & Heat carriers    | <input type="checkbox"/>            |
| Tank storages & Tank farms                    | <input checked="" type="checkbox"/> |
| Renewable energy<br>& Enviromental Technology | <input type="checkbox"/>            |

# Centrifugal pump Type HZS

The type HZS is a self-priming, single or multi-stage DICKOW ring-section pump which has been specially developed for pumping hydrocarbons in refueling systems. HZS pumps are used in tank farms, for the emptying of tank wagons, filling of high tanks, in hydrant systems at airfields, in airfield tankers and many other applications where geodetic suction heights have to be overcome. Due to a wide range of variants, HZS pumps are suitable for pumping almost all liquids that are free of solids and do not have too high of a viscosity. The pump can also be ordered with magnetic drive (HZM). The HZS has been in successful use for 60 years and has proven its worth in this field. Users of the HZS particularly praise its reliability.

## Design

|              |                        |
|--------------|------------------------|
| Pumptype     | Centrifugal pump       |
| Stages       | single or multi-staged |
| Sealing      | Mechanical seal        |
| Set-up       | horizontal             |
| Self-priming | yes                    |
| Bearings     | Rolling bearings       |
| Lubrication  | Grease                 |

## Material

|                                |
|--------------------------------|
| Ductile graphite iron (EN-GJS) |
| Cast steel (GP 240 GH)         |

## Technical data

|                      |                         |
|----------------------|-------------------------|
| Q max                | 600 m <sup>3</sup> /h** |
| H max                | 500 m**                 |
| Operating pressure   | 16 bar*                 |
| Temperature          | 100°C*                  |
| max rotational speed | 2950 min <sup>-1</sup>  |

\* higher temperatures and pressures on request

\*\* depending on size and speed

## Norm

|   |
|---|
| ISO 5199                                  |
| Explosion protection: Category 2 / Zone 1 |

Weitere  
Informationen



# Sectional view

HZS-Design

Suction housing,  
vertical

Impeller,  
closed

Rolling bearing,  
grease lubricated

Pressure  
housing

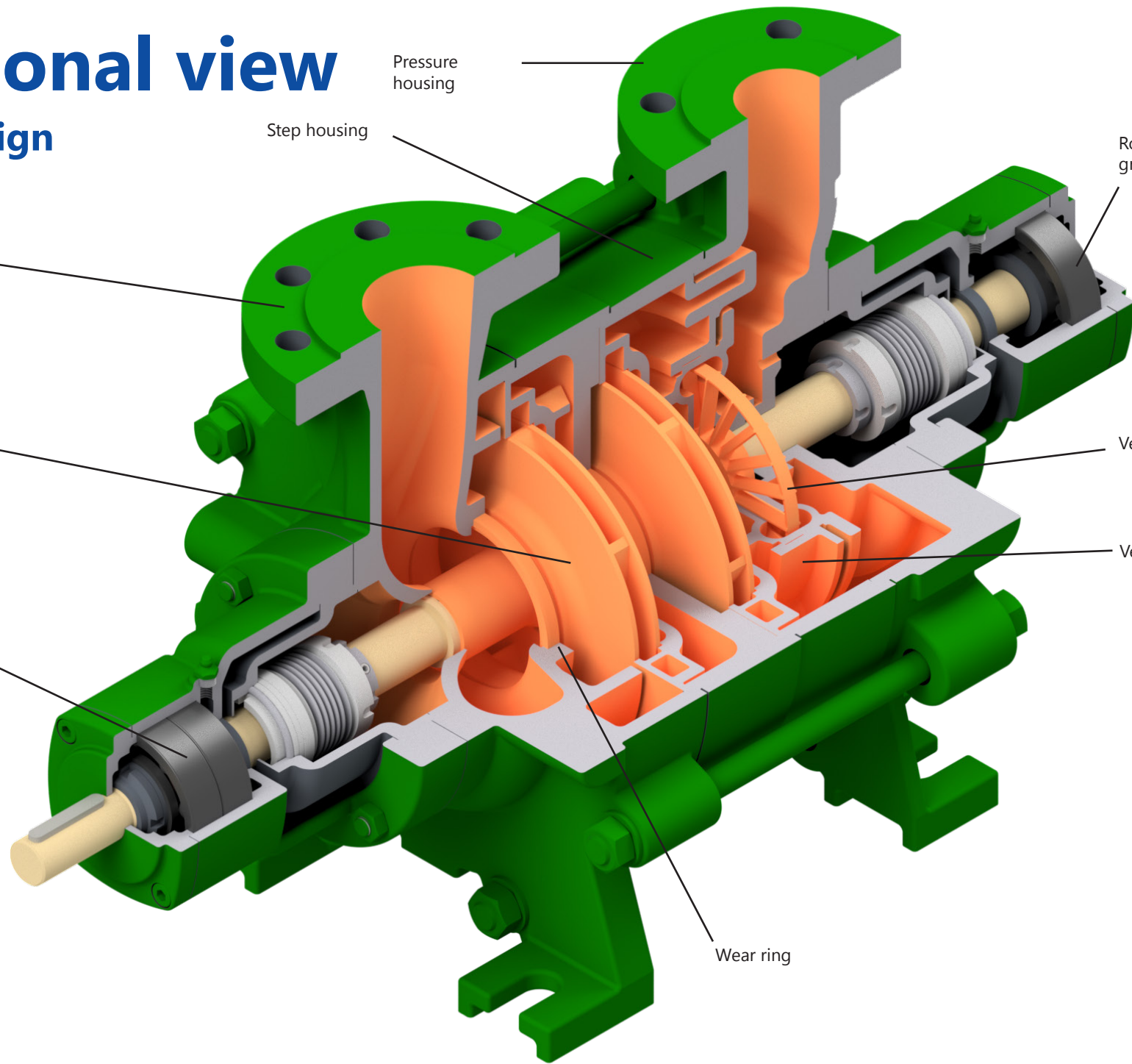
Step housing

Rolling bearing,  
grease lubricated

Venting wheel

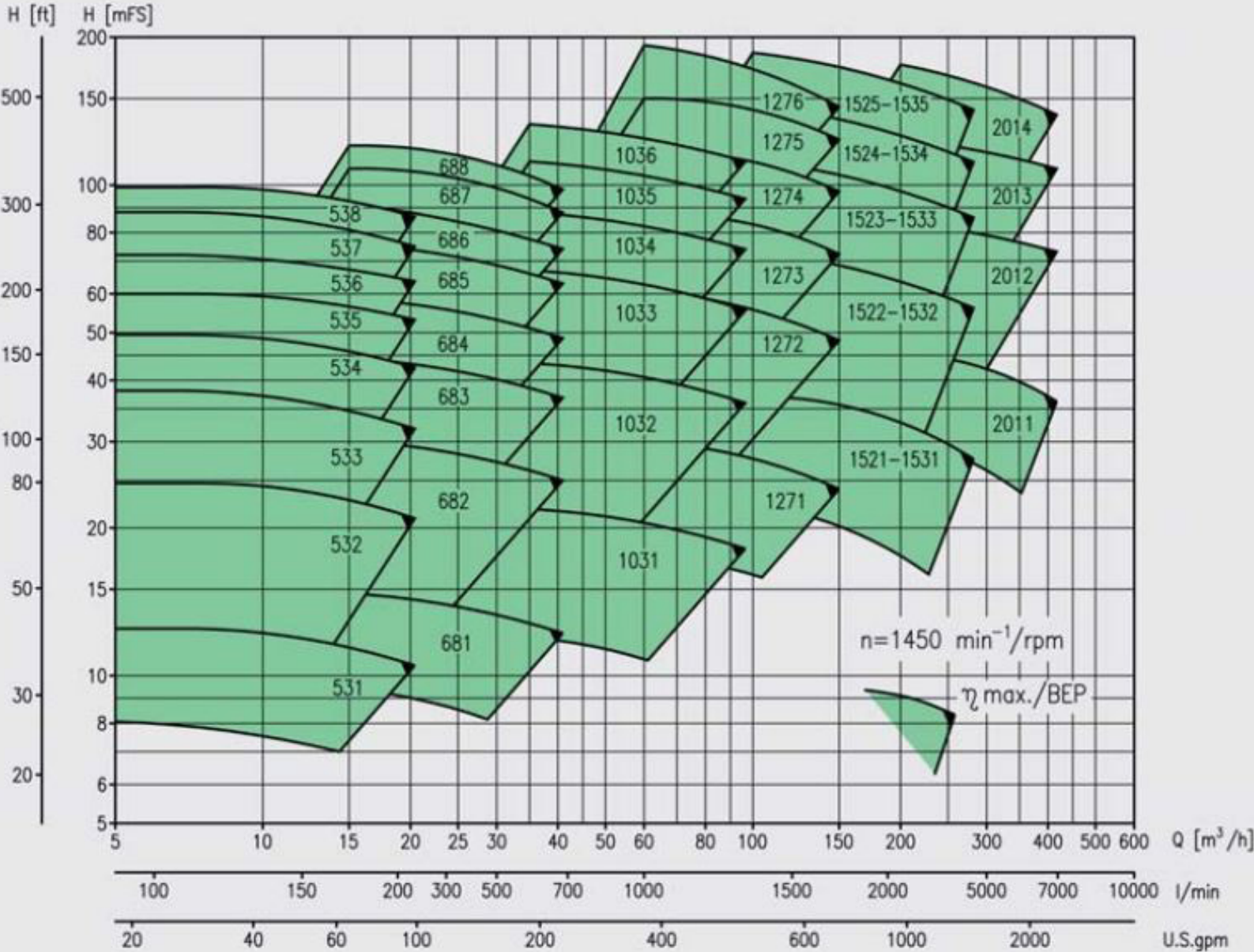
Venting stage

Wear ring





# Characteristic Curves



# Characteristic Curves

