

**Volute casing pump
with mechanical seal**



Type NCVLR

- Vertikaler Aufbau
- Raffinerie-Ausführung
- API-Standard 610 nach OH 3



Applications

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

Volute casing pump with mechanical seal

Type NCVLR

The type NCVLR is a single-stage inline volute casing pump with opposite suction and discharge ports and integrated support base in process design according to API 610, type OH3. Sealing to the atmosphere is provided by profile sealing rings in metal-to-metal design. The pump shaft is supported by a cylindrical roller bearing and a pair of angular contact ball bearings in back-to-back design. Replaceable bearing seals are arranged on both sides. The seal chamber is designed so that mechanical seals to API 682 can be installed. The pump is especially designed for the rough working conditions during operation in refineries.

Design

Pumptype	Volute casing pump
Stages	single-staged
Sealing	Mechanical seal
Set-up	vertical
Self-priming	no
Bearings	Rolling bearing
Lubrication	Grease / oil mist

Material

Ductile iron (EN-GJS) / Cast steel (GP-240 GH)
Austenitic cast steel (1.4408 / 1.4571),
Duplex (1.4517), Ni-based (2.4686)

Technical data

Q max	200 m ³ /h**
H max	200 m**
Operating pressure	40 bar*
Temperature	250°C*
max rotational speed	3500 min ⁻¹

* higher temperatures and pressures on request

** depending on size and speed

Norm

API 610 / API 682
Explosion protection: Category 2 / Zone 1

**More
information**

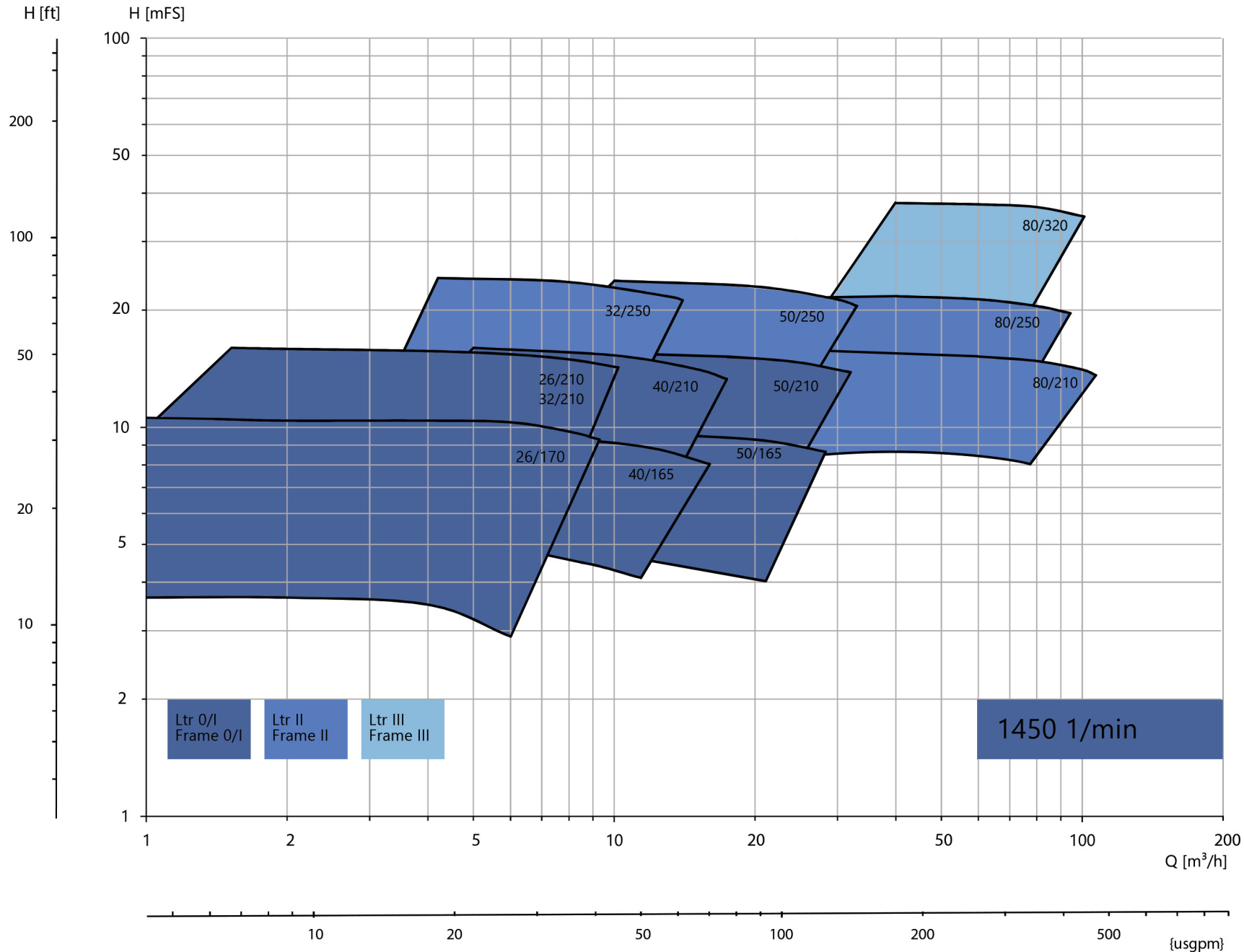


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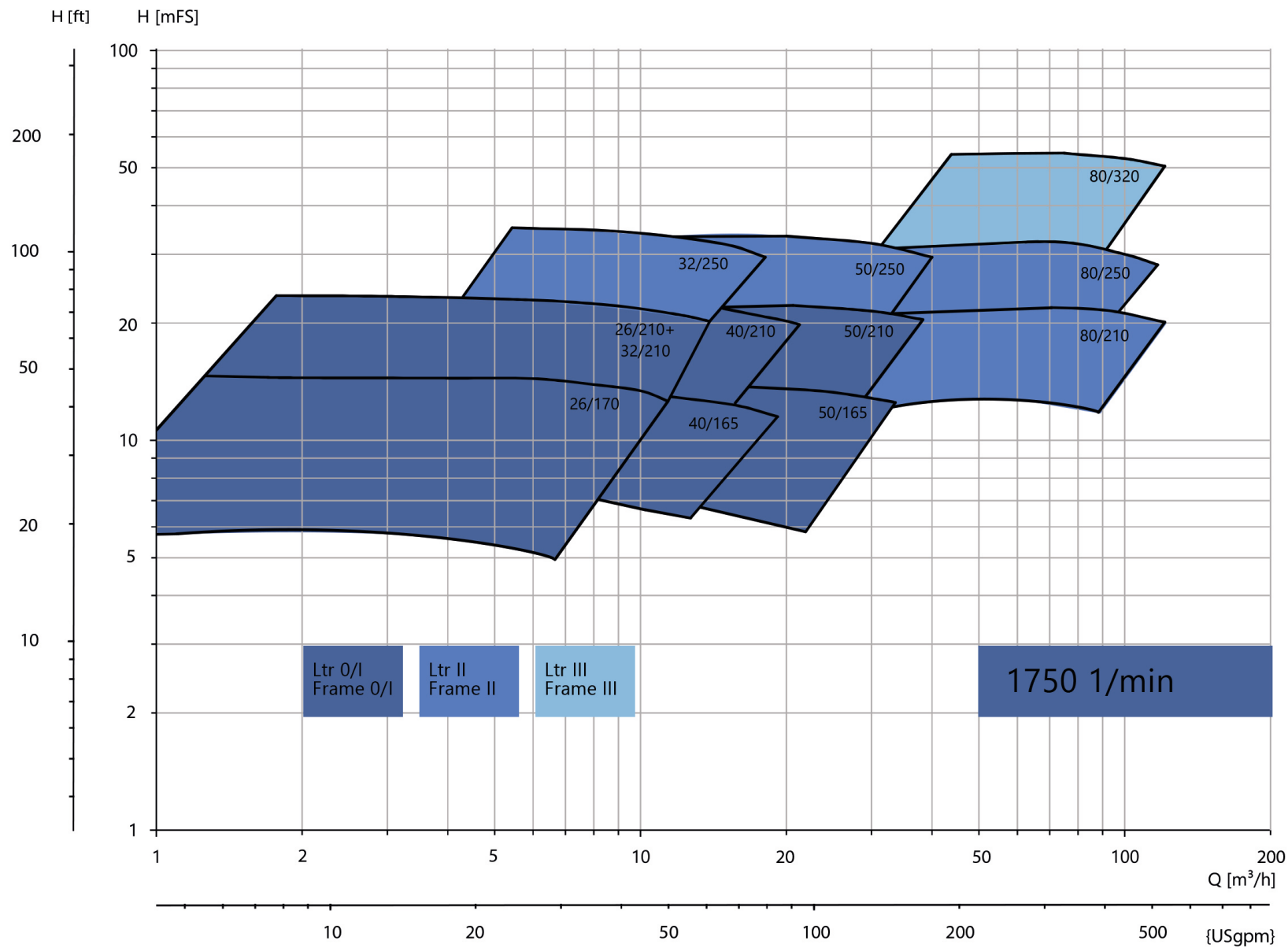
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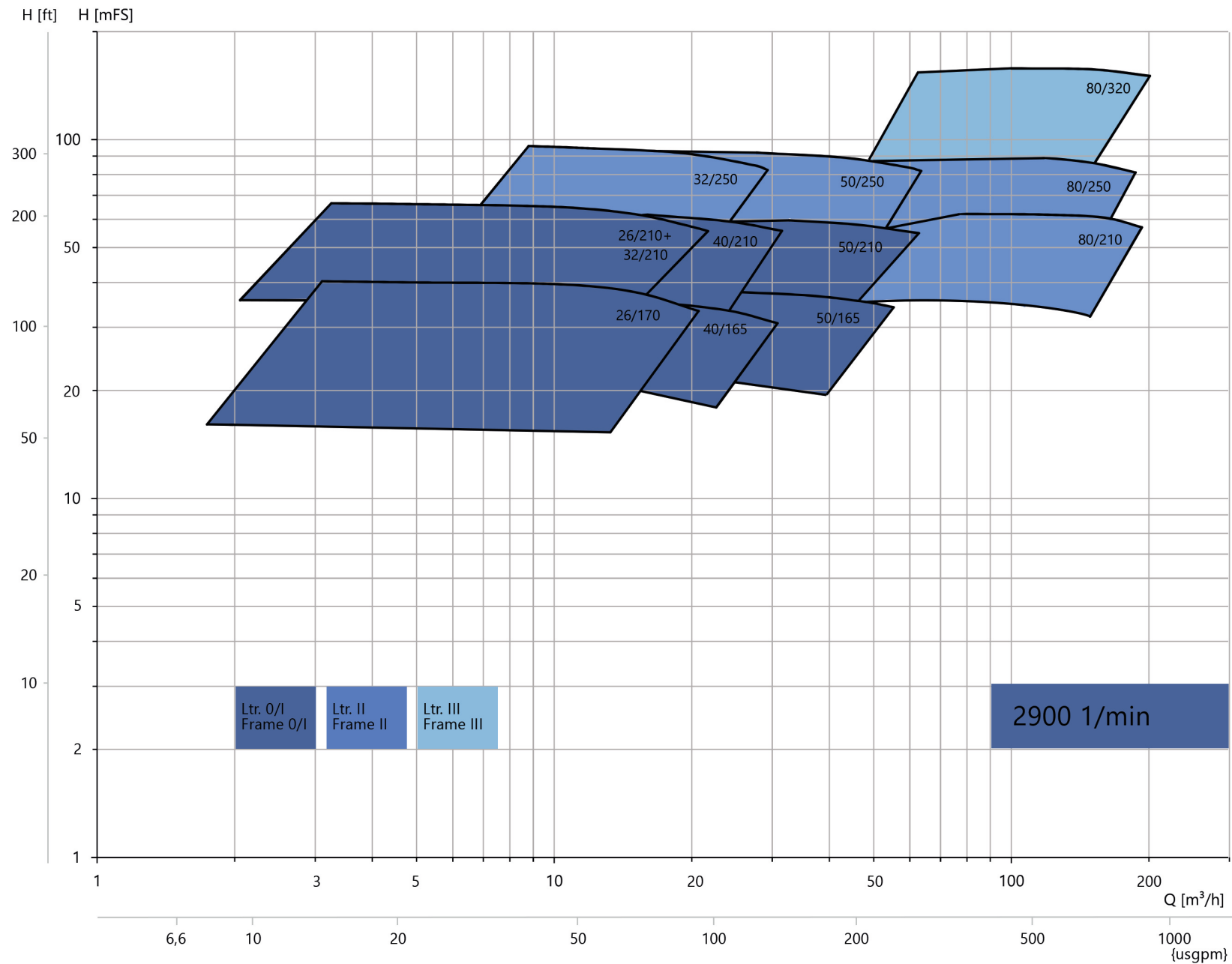
Characteristic curves



Characteristic curves



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