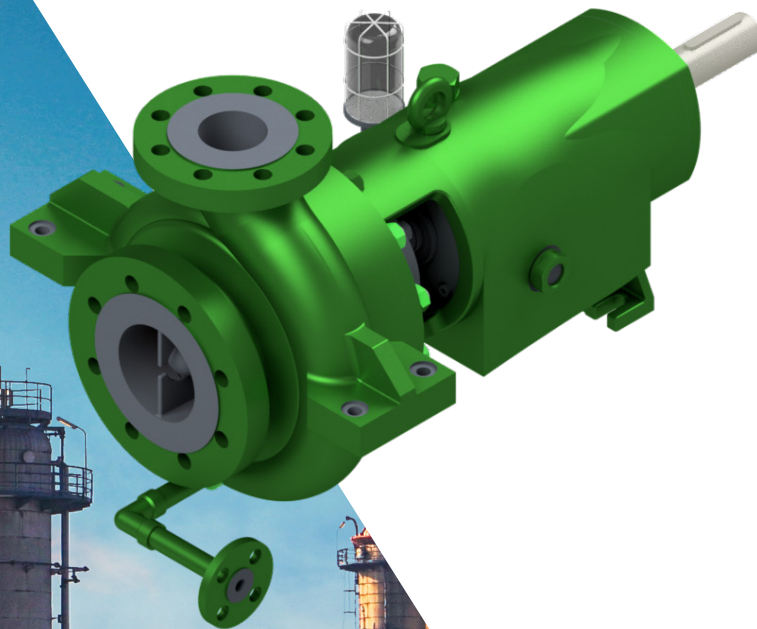


Process pump

Type NCR

- Operation up to 250°C
- Wide range of materials
- API 610 standard according to OH 2



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"/> |

Process pump

Type NCR

The type NCR is a single-stage volute casing pump in process design according to API 610, type OH2, with axial suction ports and axial centered discharge ports pointing vertically upwards. The volute casing has sturdy cast-on supports for a center-axis suspension and a welded and flanged discharge. 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 in such a way that mechanical seals to API 682 can be installed.

Design

Pumptype	Volute casing pump
Stages	single-staged
Sealing	Mechanical seal
Set-up	horizontal
Self-priming	no
Bearings	Rolling bearing
Lubrication	Oil

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	1400 m ³ /h**
H max	250 m**
Operating pressure	40 bar*
Temperature	250°C*
max rotational speed	3500 min ⁻¹

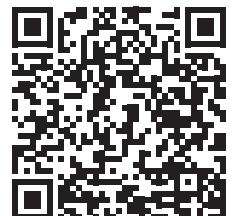
* higher temperatures and pressures on request

** depending on size and speed

Norm

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

**More
information**

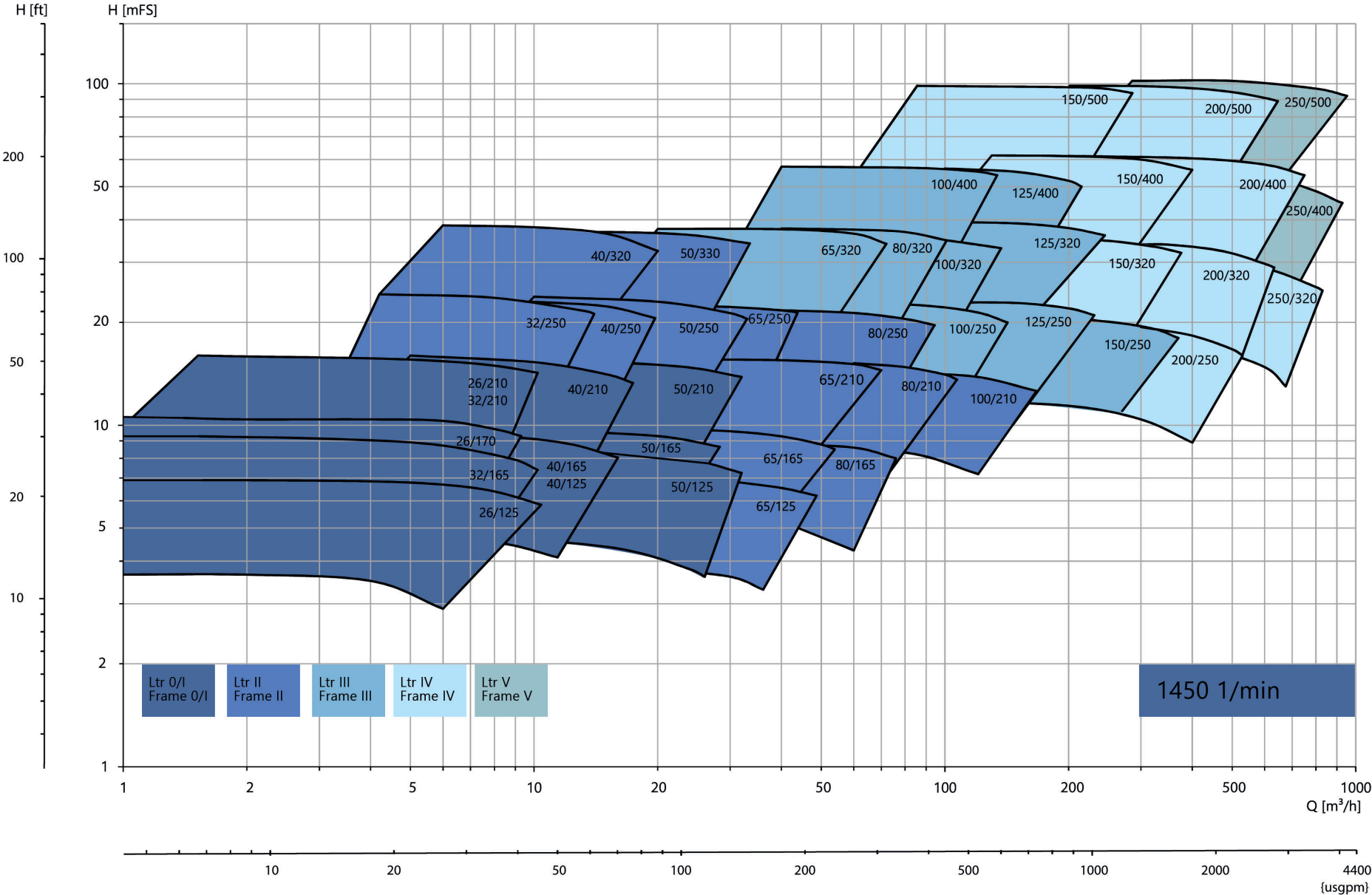


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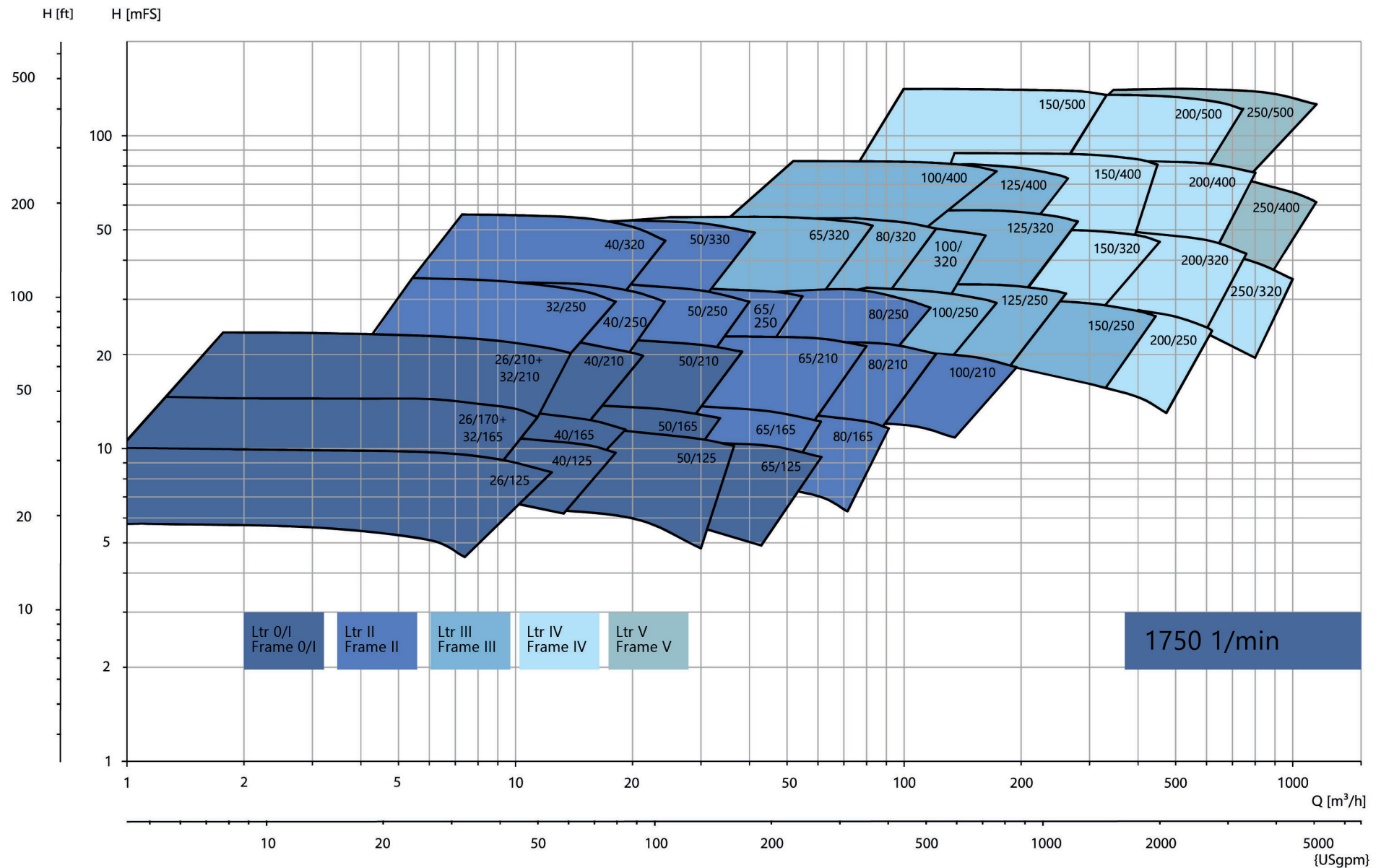
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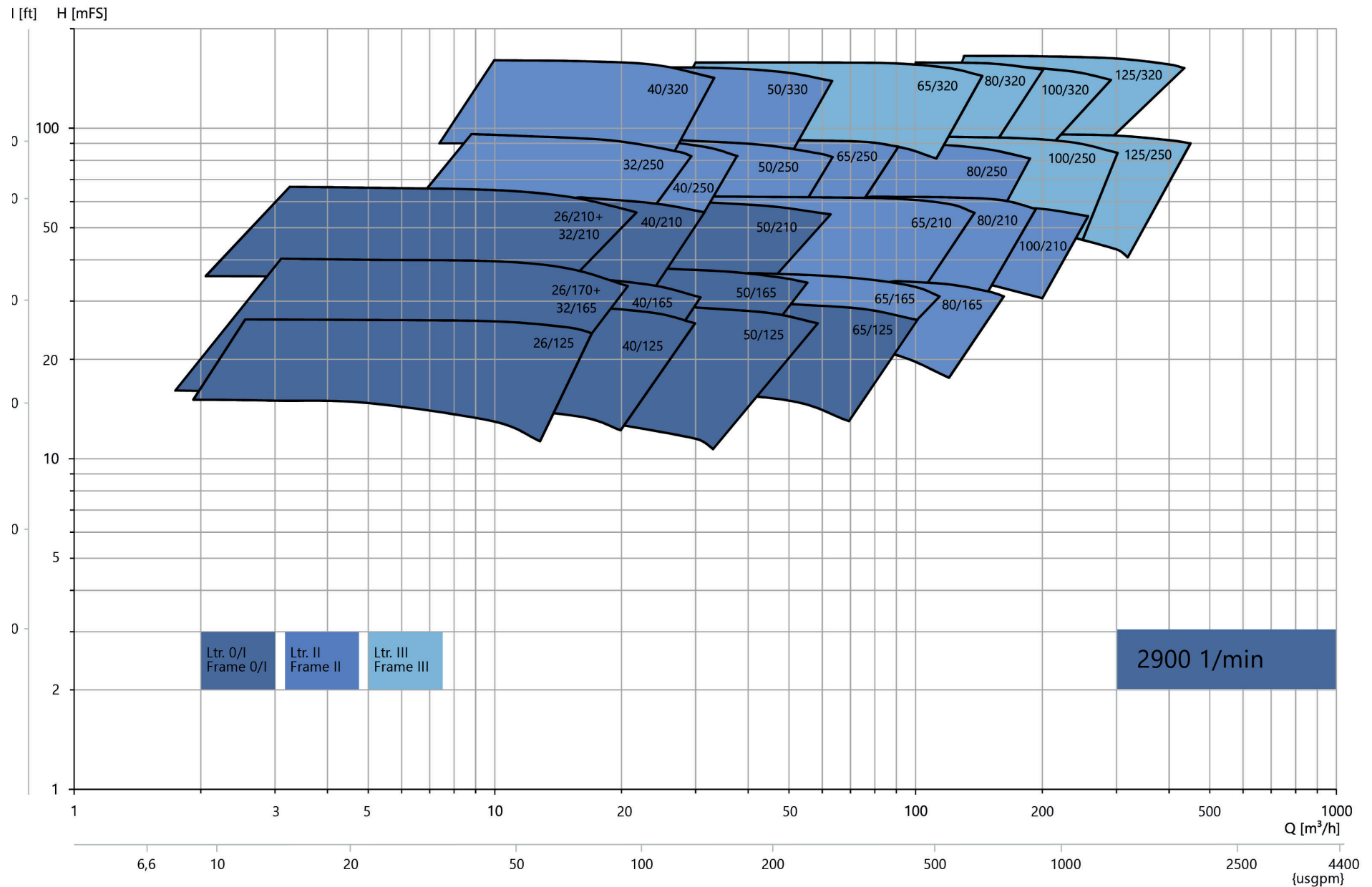
Characteristic curves



Characteristic curves



Characteristic curves



Characteristic curves

