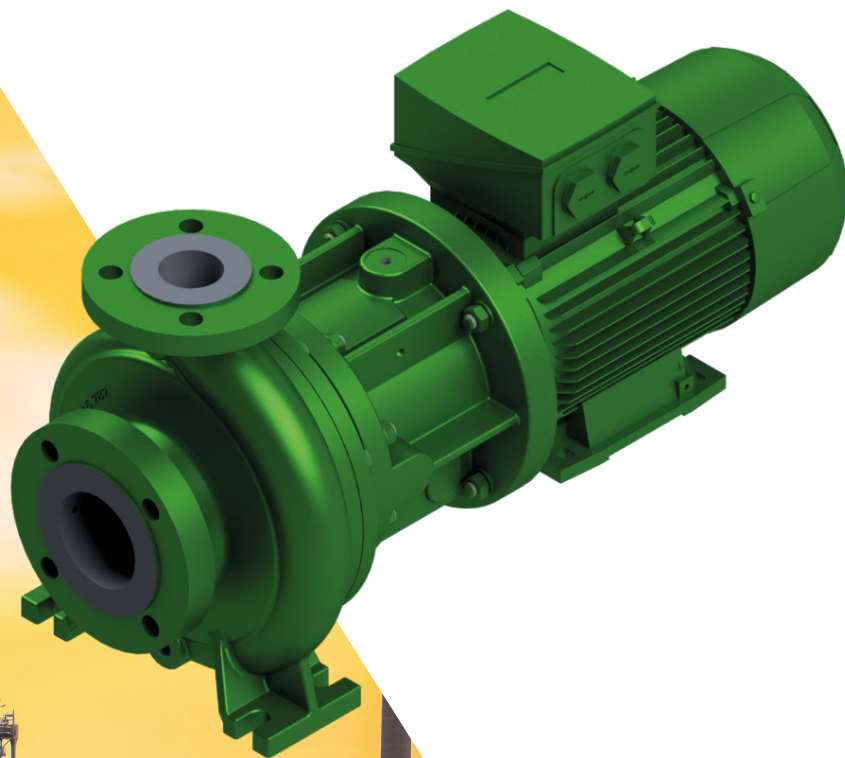


Standard chemical pump
with magnetic coupling



Type KMB

- Operation up to 180°C
- Compact design
- Maintenance free operation



Applications

- | | |
|---|-------------------------------------|
| Oil & Gas | <input type="checkbox"/> |
| Chemistry & Petrochemistry | <input checked="" 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
& Enviromental Technology | <input checked="" type="checkbox"/> |

Standard chemical pump with magnetic coupling

Type KMB

The KMB is a standard chemical pump with flow rate and housing dimensions according to ISO 2858 with magnetic coupling. The pump has a permanent magnetic coupling, the containment can hermetically seals the pumped medium from the outside. The pump shaft is mounted in a SiC plain bearing. The direct mounting of the drive motor eliminates the need for additional roller bearings and the mechanical coupling. KM pumps are used wherever leakage is not permitted, i.e. when pumping toxic, explosive and generally environmentally harmful media. KM pumps are maintenance-free and their service life is far longer than that of conventional pumps with mechanical seals.

Design

Pumptype	Volute casing pump
Stages	single-staged
Sealing	Magnetic coupling
Set-up	horizontal
Self-priming	no
Bearings	Plain bearing
Lubrication	Grease

Material

Ductile cast iron/cast steel (EN-GJS/GP 240 GH),
Austenitic cast steel (1.4408/1.4571)

Technical data

Q max	100 m ³ /h**
H max	80 m**
Operating pressure	16/24/40 bar*
Temperature	180°C*
max rotational speed	3500 min ⁻¹

* higher temperatures and pressures on request

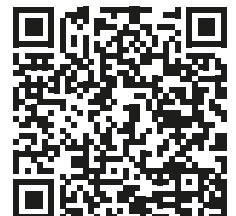
** depending on size and speed

Norm

ISO 2858 / ISO 15783

Explosion protection: Category 2 / Zone 1

**More
Information**

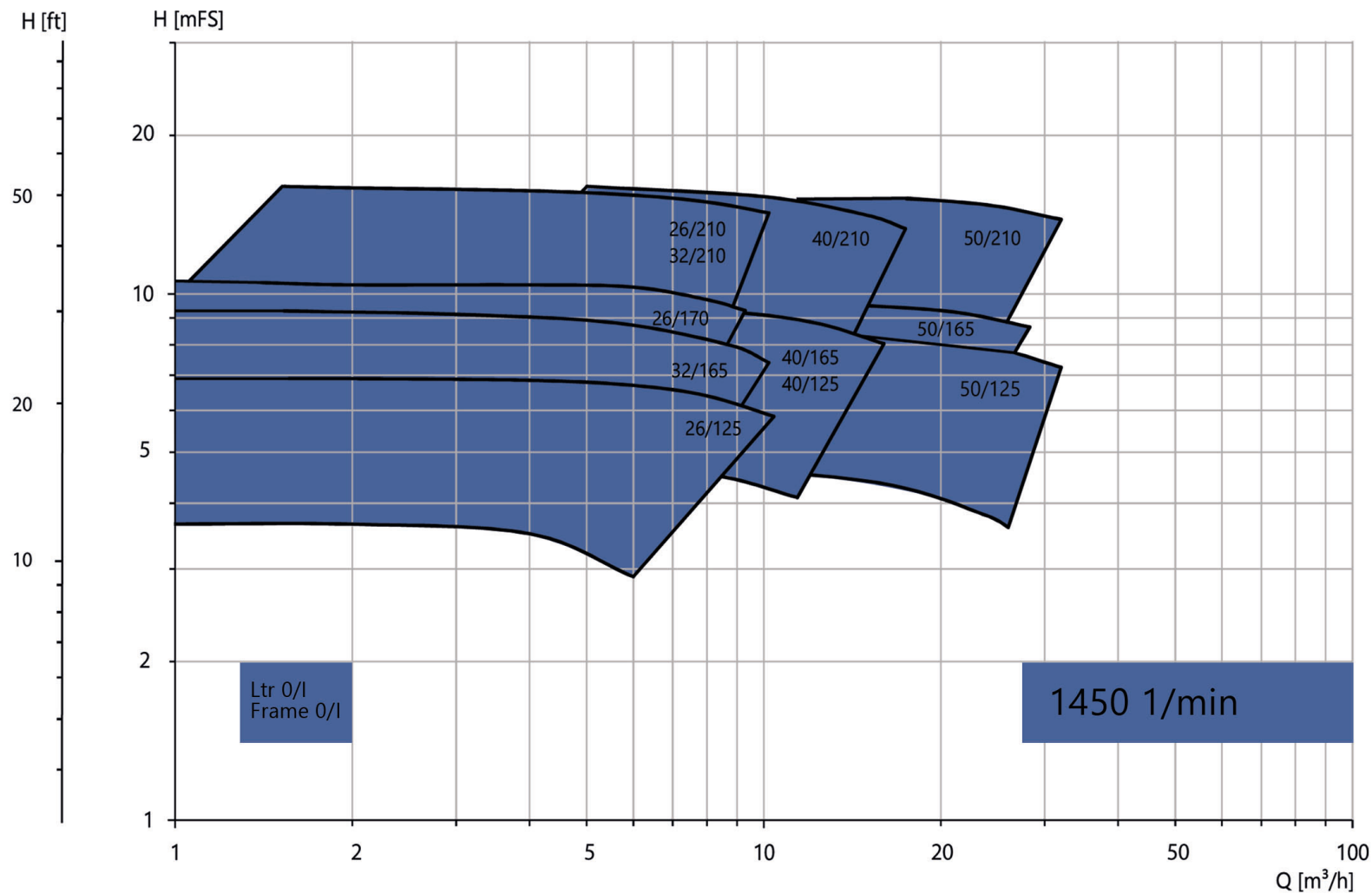


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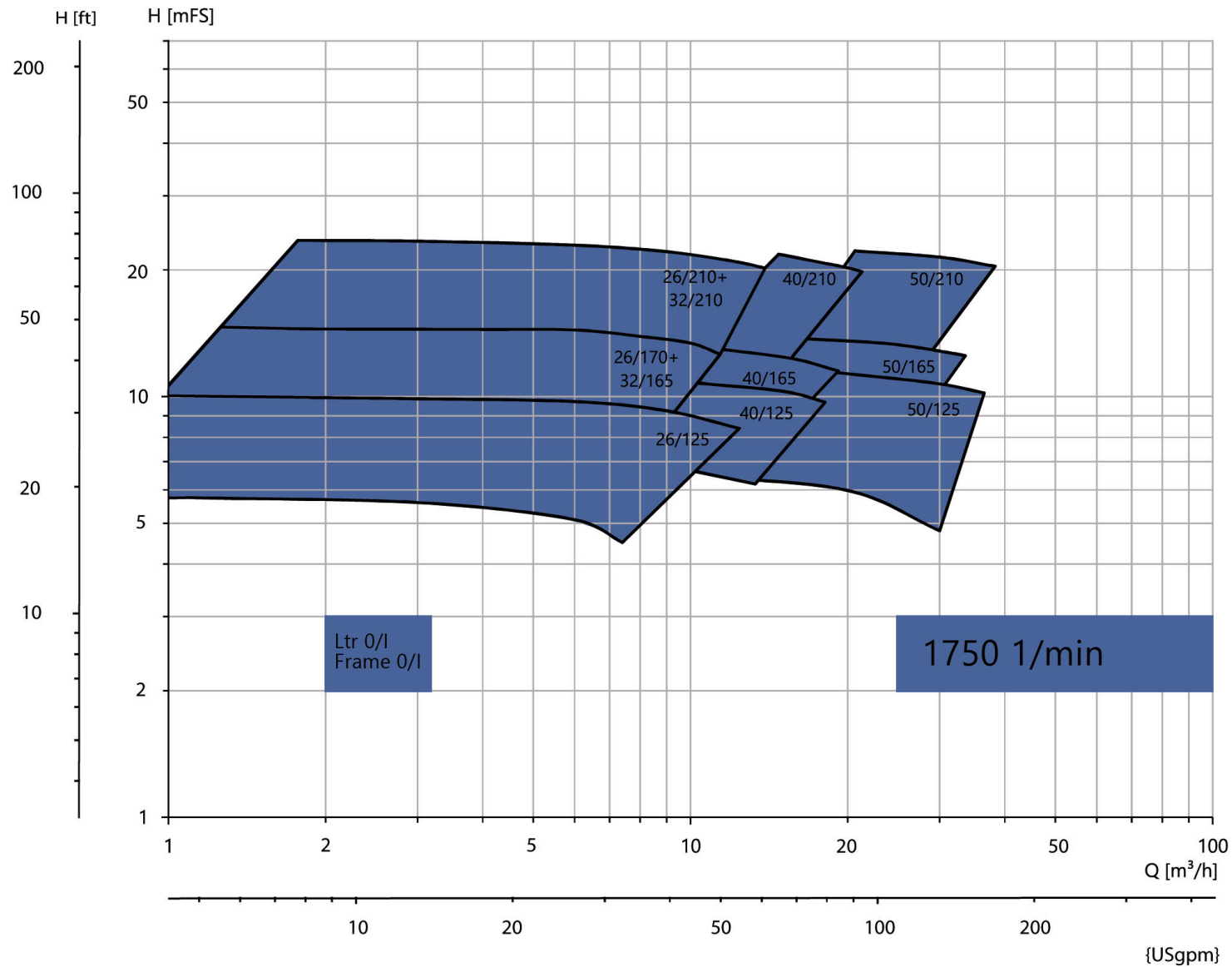
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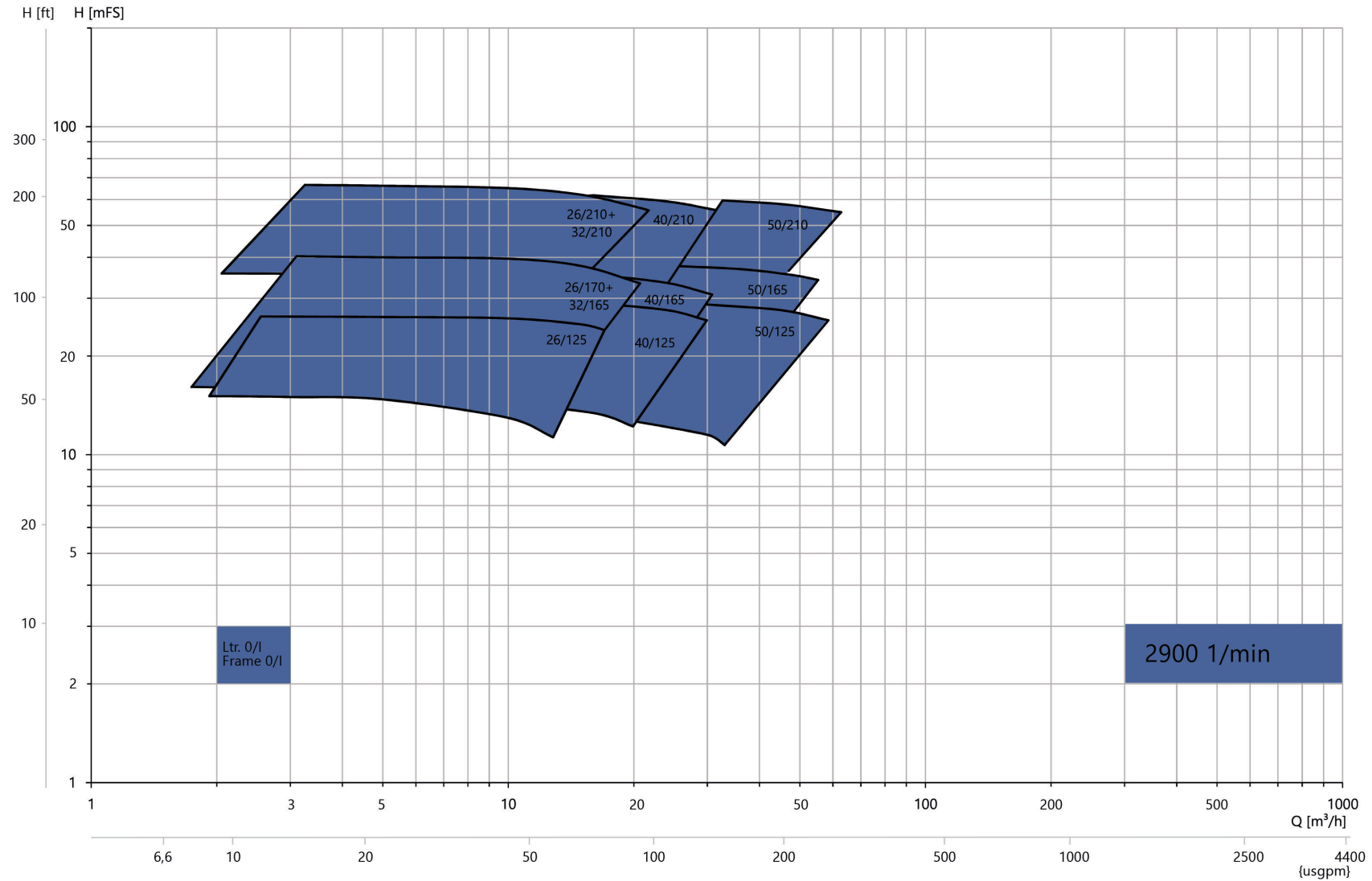
Characteristic curves



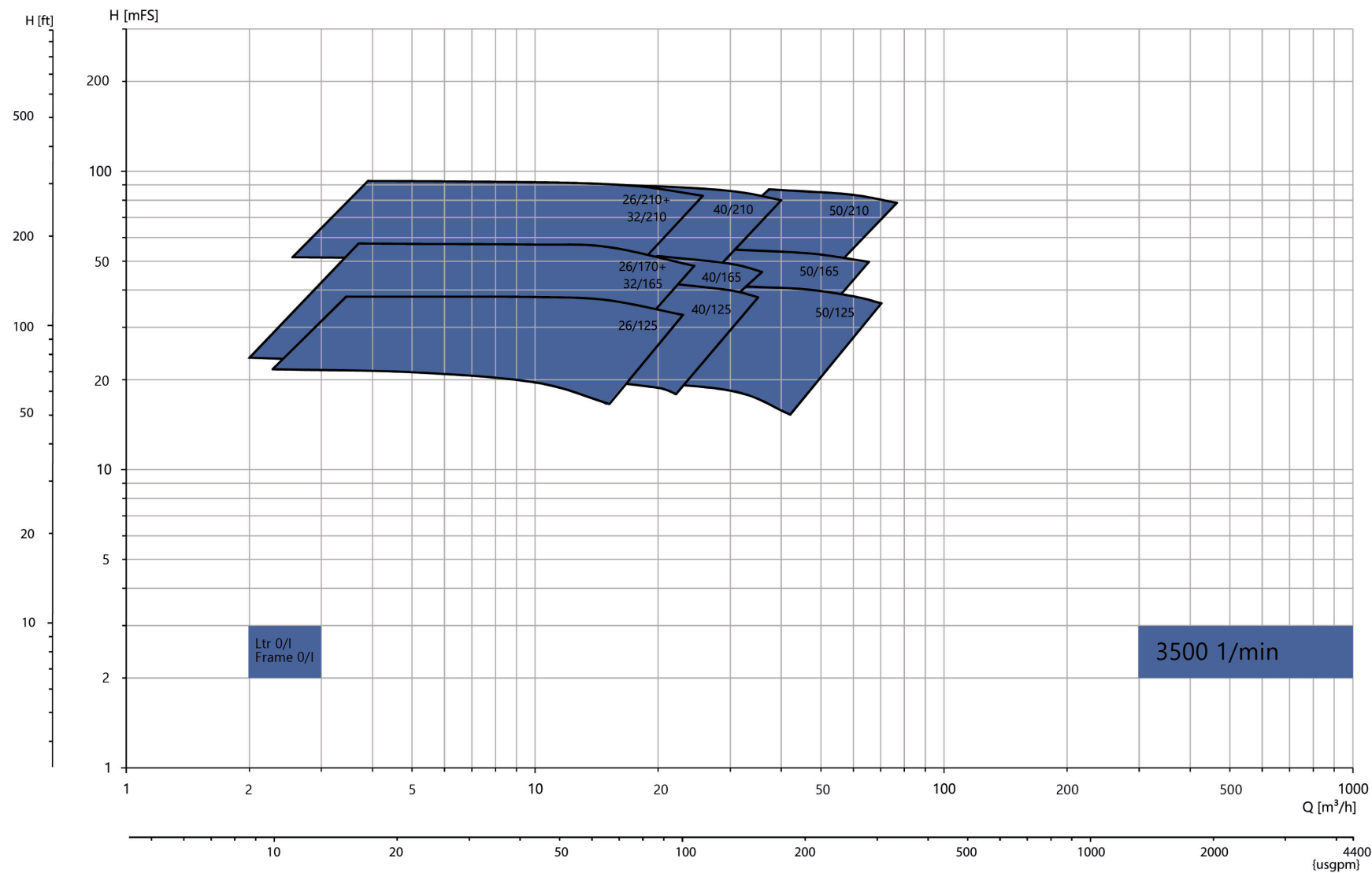
Characteristic curves



Characteristic curves



Characteristic curves



Sectional view

