

Submersible pump
with magnetic coupling



Type NMT

- Diving depth up to 6 meters
- Mechanical coupling not required
- Many adjustment possibilities



Applications

- | | |
|--|-------------------------------------|
| Oil & Gas | <input type="checkbox"/> |
| Chemistry & Petrochemistry | <input checked="" type="checkbox"/> |
| Offshore | <input checked="" type="checkbox"/> |
| Ship technology & Marine | <input 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
& Environmental Technology | <input checked="" type="checkbox"/> |

Submersible pump with magnetic coupling

Type NMT

The NMT is a volute casing submersible pump with shaft sealing based on the twin-tube pump principle, i.e. separate shaft sealing tube and discharge tube. The hydraulic pump part is located in the tank or in the pumped medium. The connection is made by a multi-stage shaft and pipe string. With the NMT, submersion depths of up to 6 meters are possible at a flow rate of up to 500m³/h. The pump has a permanent magnet coupling, the containment can hermetically seals the pumped medium from the outside. The direct mounting of the drive motor eliminates the need for additional roller bearings and the mechanical coupling.

Design

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

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

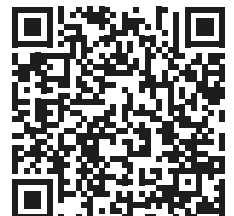
Q max	1000 m ³ /h**
H max	250 m**
Operating pressure	16 bar*
Temperature	200°C*
max rotational speed	3500 min ⁻¹

* higher temperatures and pressures on request
** depending on size and speed

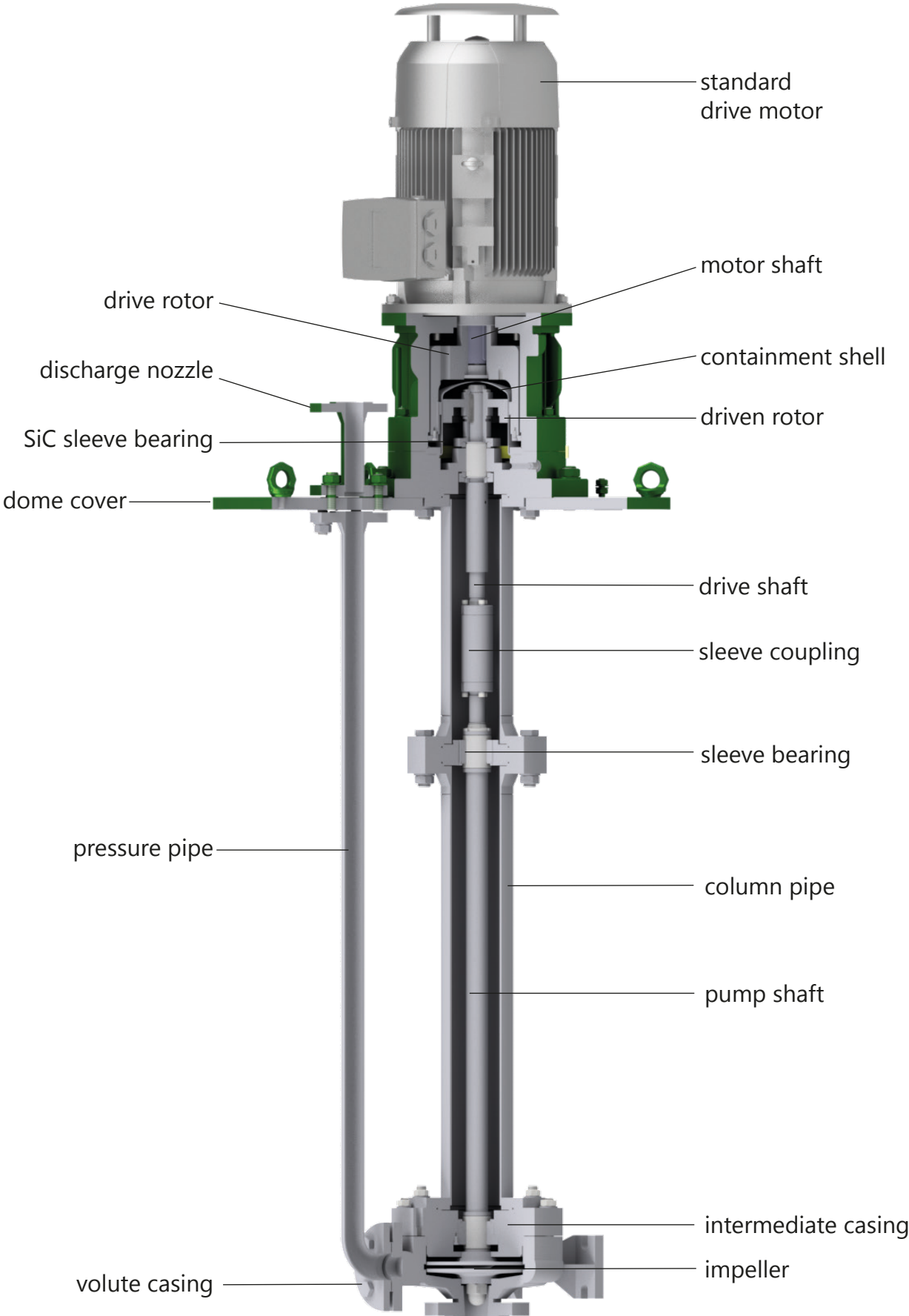
Norm

ISO 2858 / ISO 15783
Explosion protection: Category 2 / Zone 1

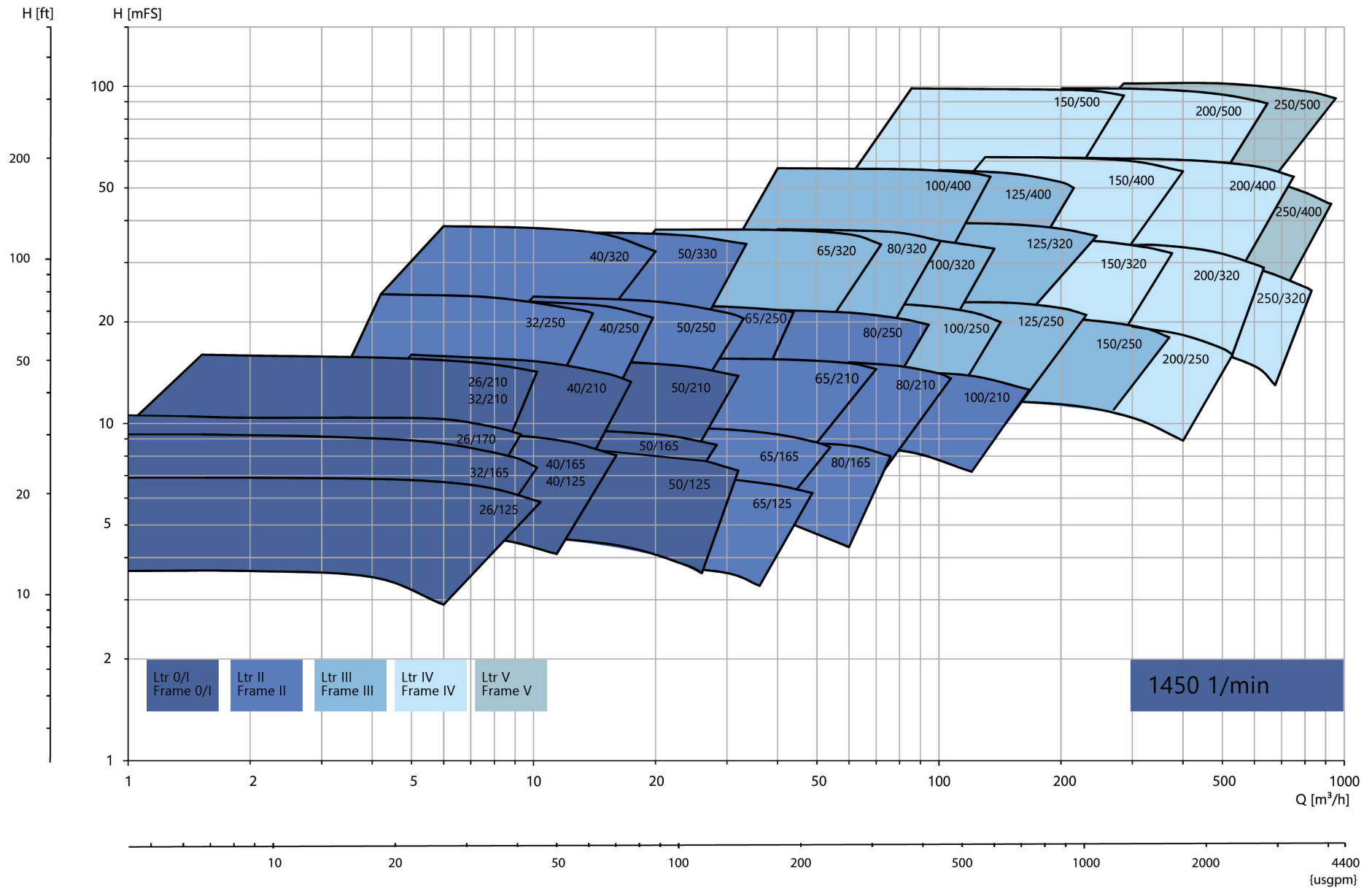
More
information



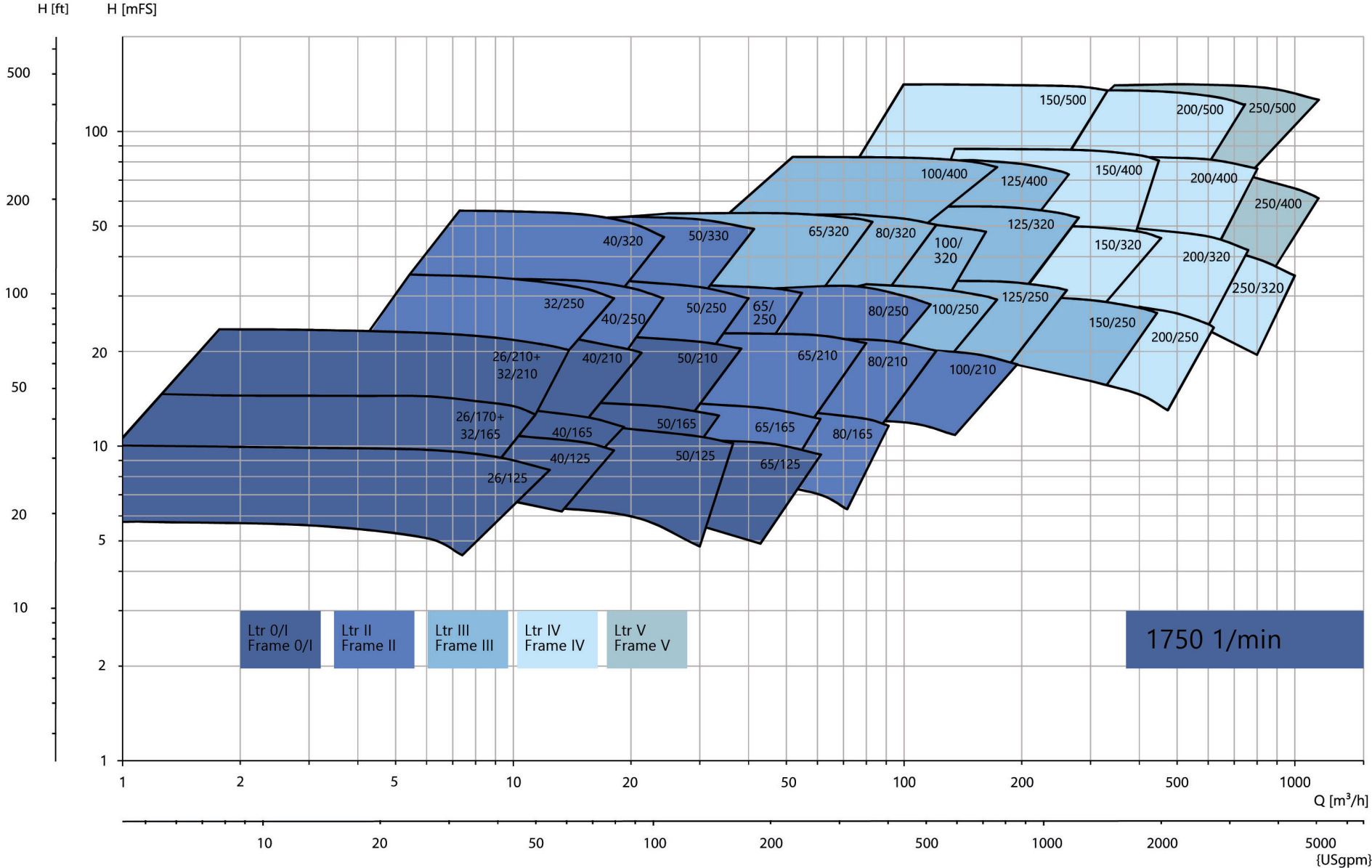
Sectional drawing



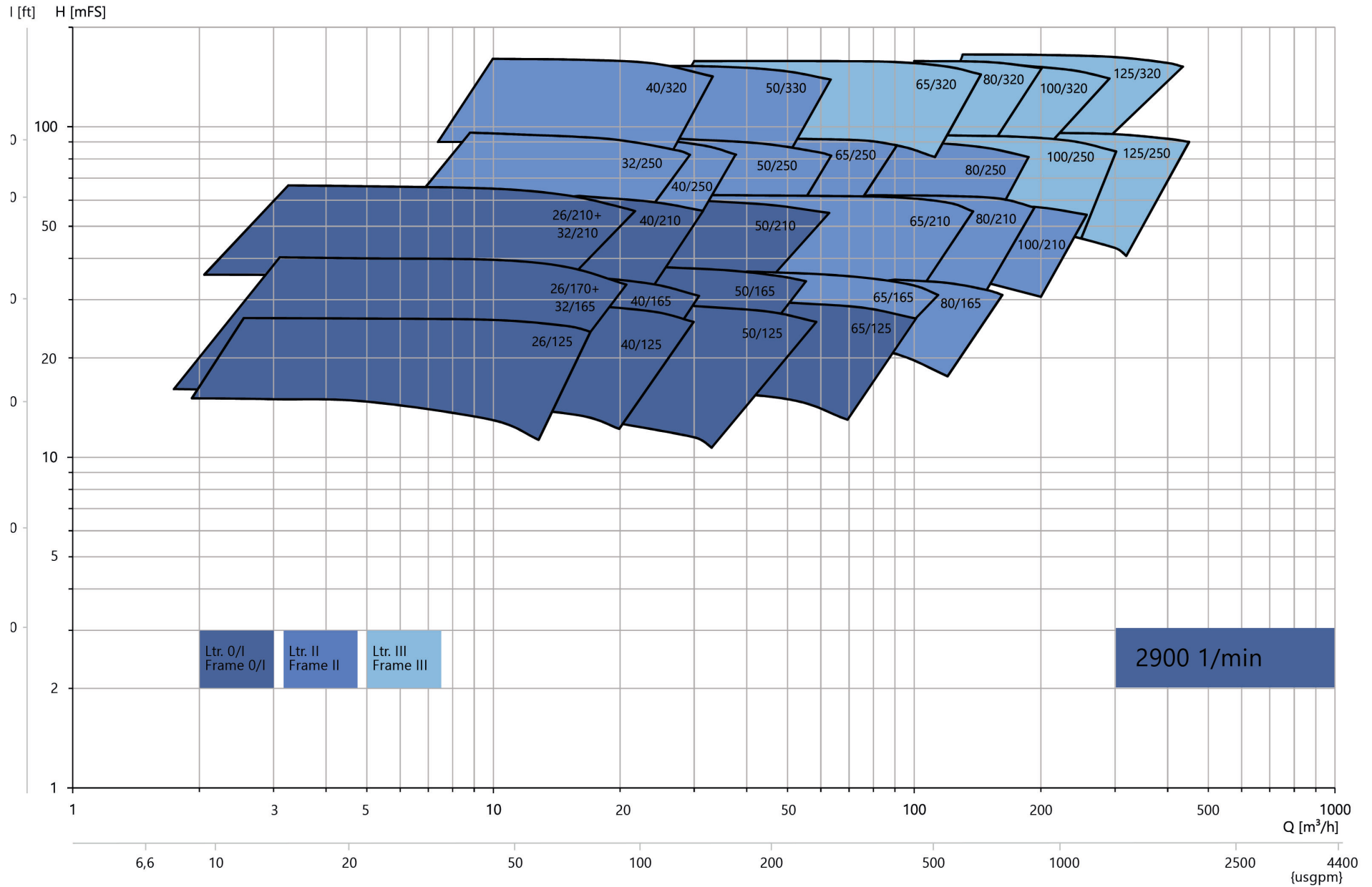
Characteristic curves



Characteristic curves



Characteristic curves



Characteristic curves

