

# Submersible pump Type NCTR

- API 610 Standard
- Operation up to 200°C
- Diving depth up to 6 meters



## Applications

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

# Submersible pump Type NCTR

Type NCTR is a volute casing pump according to API 610 with shaft sealing, type VS4. 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. The pump and drive shafts are mounted in plain bearings. The upper drive shaft is fixed by a grease-lubricated double-sided angular contact ball bearing. With the NCTR, submersion depths of up to 6 meters are possible at a flow rate of up to 500 m<sup>3</sup>/h. The pump is also available as a heated version or with oil lubrication. A special design for use in zone 0 according to the explosion protection directive is also possible.

## Design

Pumptype	Volute casing pump
Stages	single-staged
Sealing	Mechanical seal
Set-up	vertical
Self-priming	no
Bearings	rolling bearing, plain bearing on product side
Lubrication	Grease / Oil

## Material

Austenitic cast steel (1.4408 / 1.4571),  
Duplex (1.4517), Ni-based, (2.4686)

## Technical data

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

\* higher temperatures and pressures on request

\*\* depending on size and speed

## Norm

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

**More  
Information**

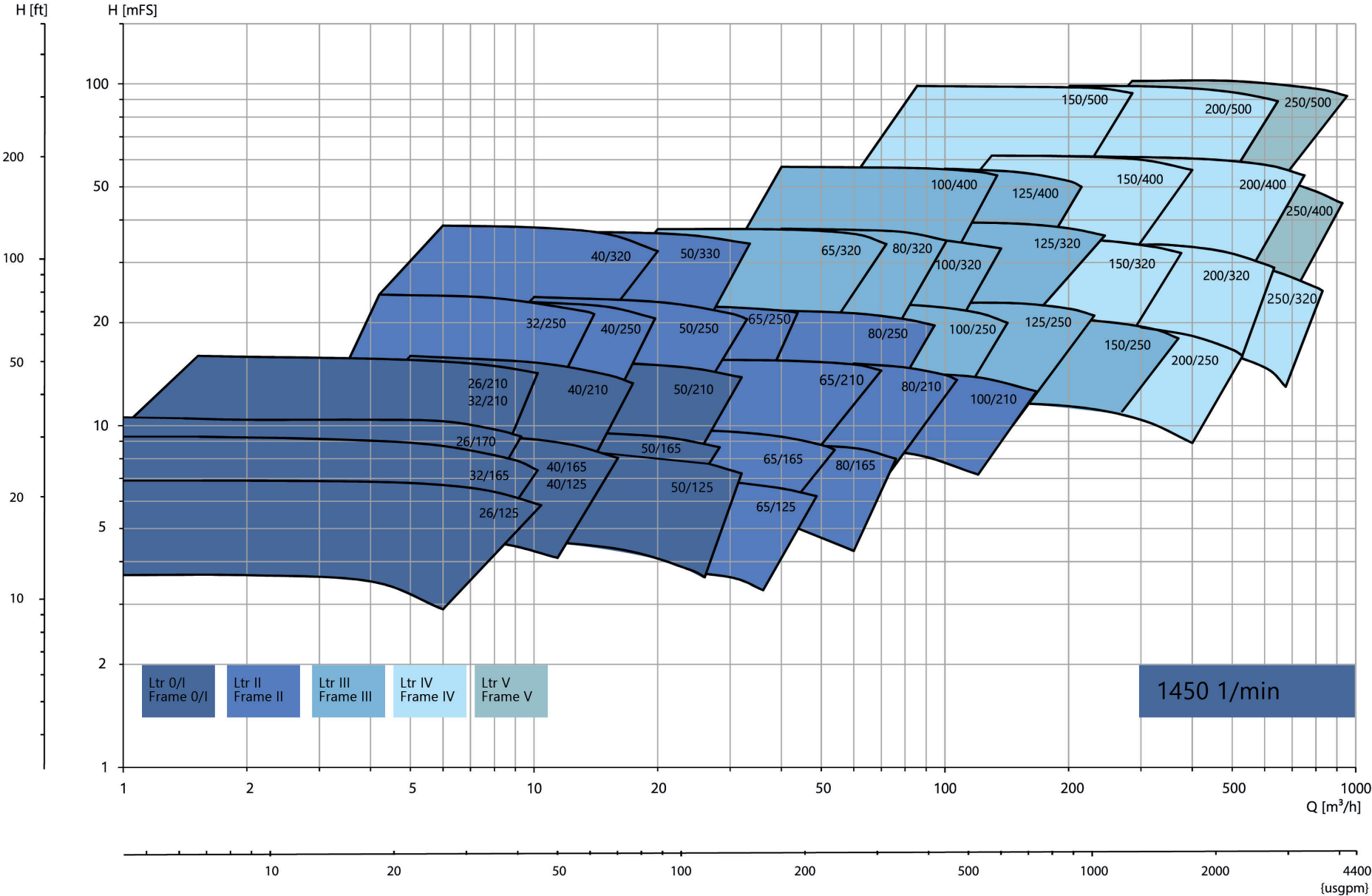


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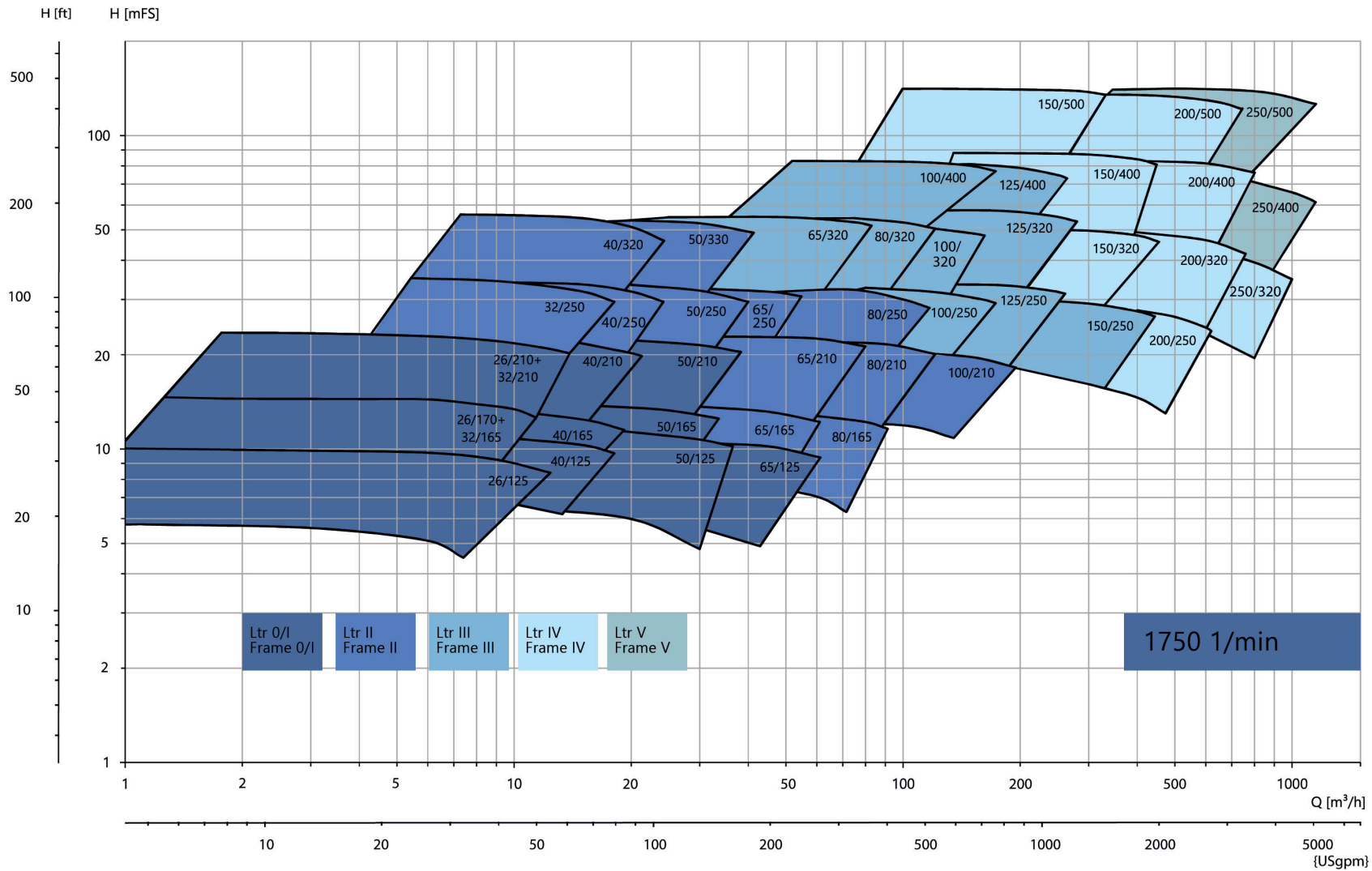
Siemensstr. 22 | 84478 Waldkraiburg | GERMANY

Tel.: +49 8638 602 0 | E-Mail: info@dickow.de | www.dickow.de

# Characteristic curves

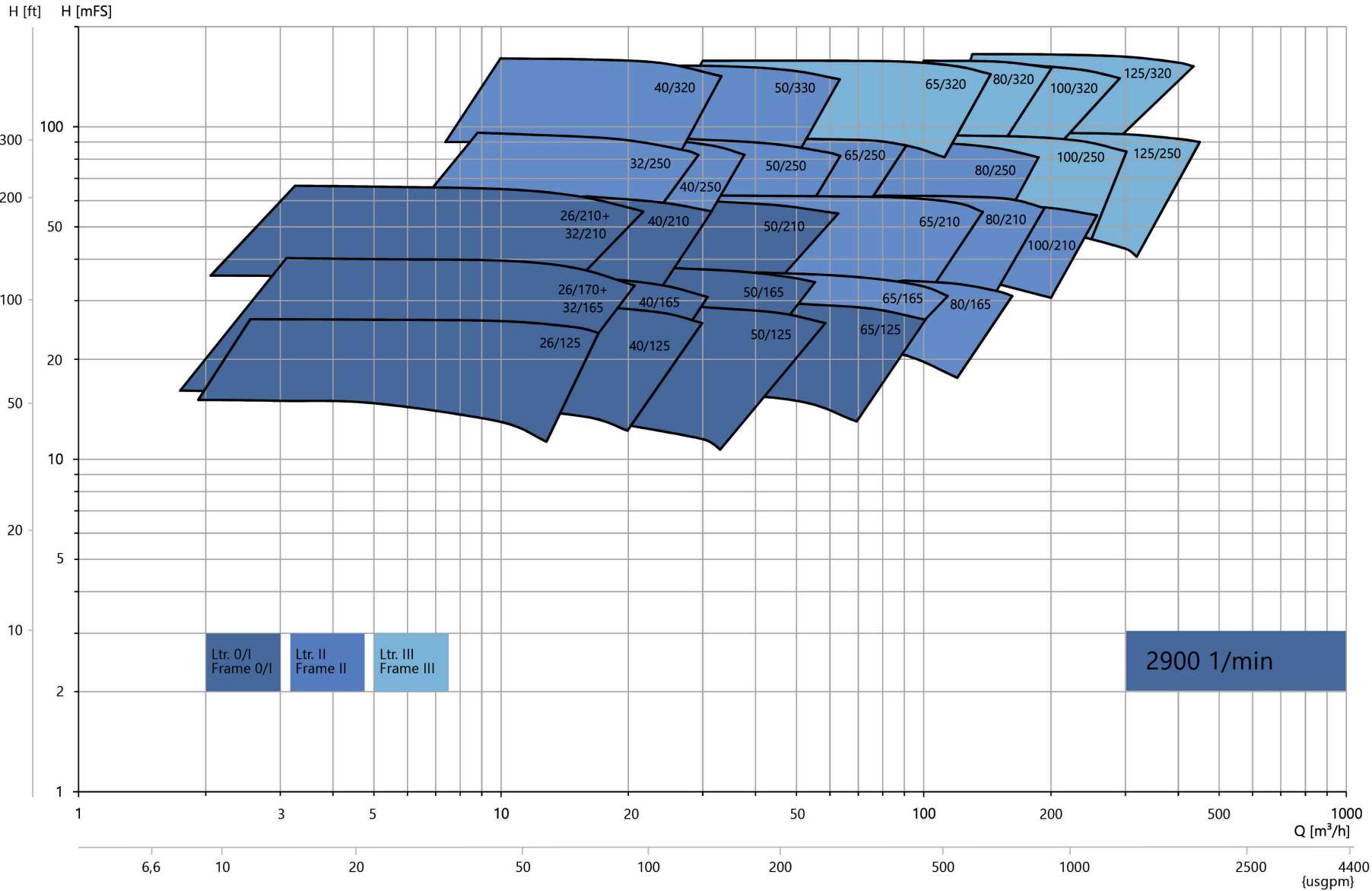


# Characteristic curves





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# Characteristic curves

