Thermal oil pump

Type NMX

DICKOW PUMPEN

- Increased service life
- Higher energy efficiency
- No personnel and installation efforts needed

Applications

- Oil & Gas ■
- Chemistry & Petrochemistry ■
- Offshore ■
- Ship technology & Marine □
- Refueling equipment & Aviation □
- Industrial heating systems & Heat carriers ■
- Tank storages & Tank farms □
- Renewable energy & Enviromental Technology ■

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Type NMX

The NMX series are heat transfer pumps of the latest generation for modern thermal oils of all types. The magnetic drive centrifugal pump reliably exceeds even the highest operating limits of today's heat transfer fluids. Unlike comparable products on the market, the NMX is self-degassing and does not require any external cooling. This offers a pure „plug and play" solution that reliably protects against faulty operation and system downtimes without any additional installation or personnel effort and is particularly efficient and low-maintenance in operation. The hermetically sealed containment can is located in a separate housing and additionally sealed to the atmosphere with a graphite safety packing. In the unlikely event of a containment can rupture, the escaping pumped medium is thus reduced to a minimum, protecting people and the environment. Another unique selling point is the integrated fan flow deflector (ffd), which prevents unwanted temperature buildup on the rolling bearing and extends the service life and maintenance intervals of the pump.

Design

Pumptype	Volute casing pump
Stages	single-staged
Sealing	Magnetic coupling
Set-up	horizontal
Self-priming	no
Bearings	Sleeve bearings/SiC
Lubrication	Oil bath

Technical data

Q max	1400 m^3/h**
H max	250 m**
Operating pressure	24 bar*
Temperature	450°C*
max rotational speed	3500 min^{-1}

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

Material

Ductile graphite iron (EN-GJS)
Cast steel (GP 240 GH)
Ferretic steel casting with elevated temperature properties (1.7706)

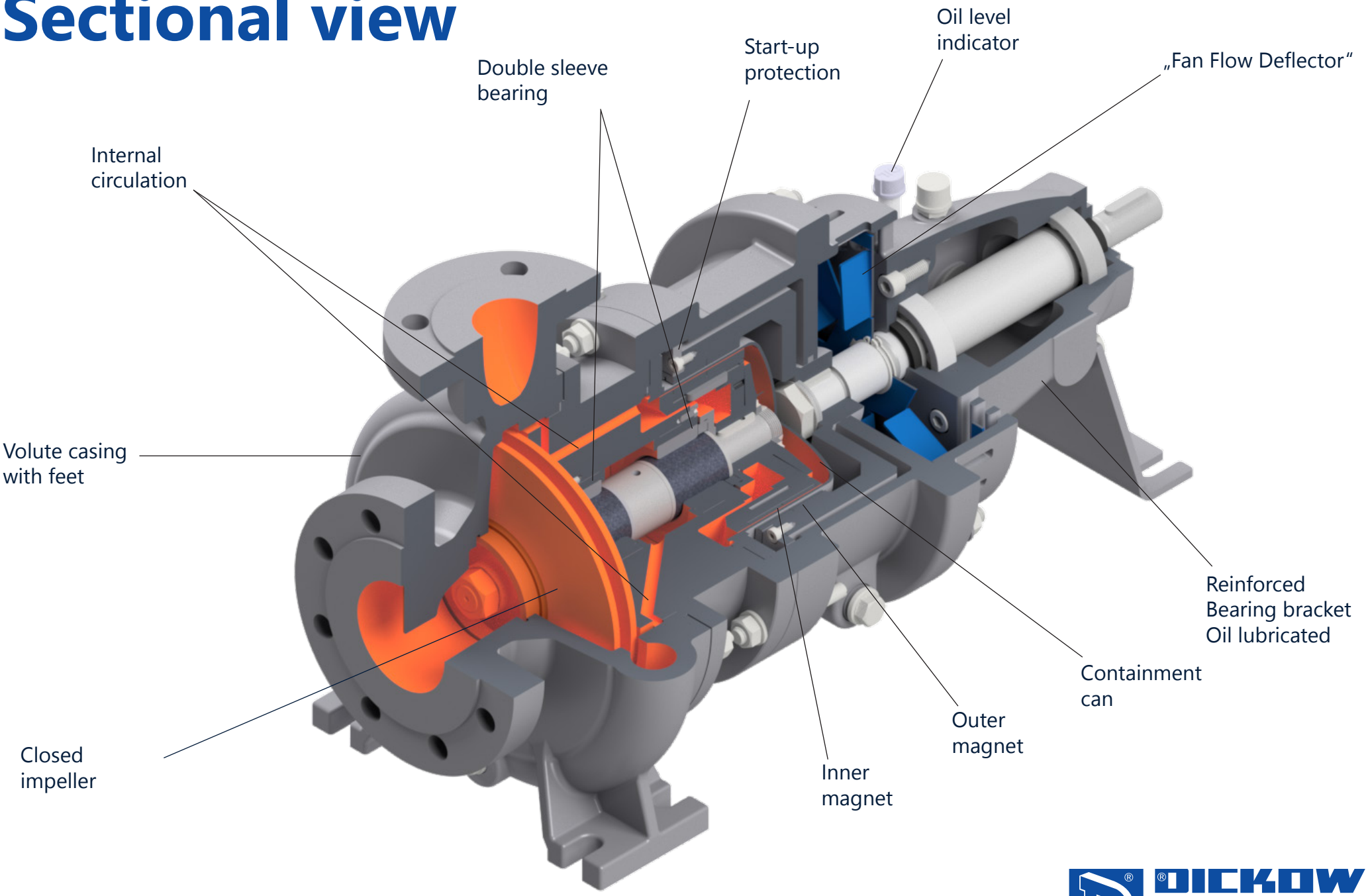
Norm

EN 22858 / ISO 2858
Explosion protection: Category 2 / Zone 1

More Information

DICKOW PUMPEN GmbH & Co. KG
Siemensstr. 22 | 84478 Waldkraiburg | GERMANY
Tel.: +49 8638 602 0 | E-Mail: info@dickow.de | www.dickow.de

Sectional view



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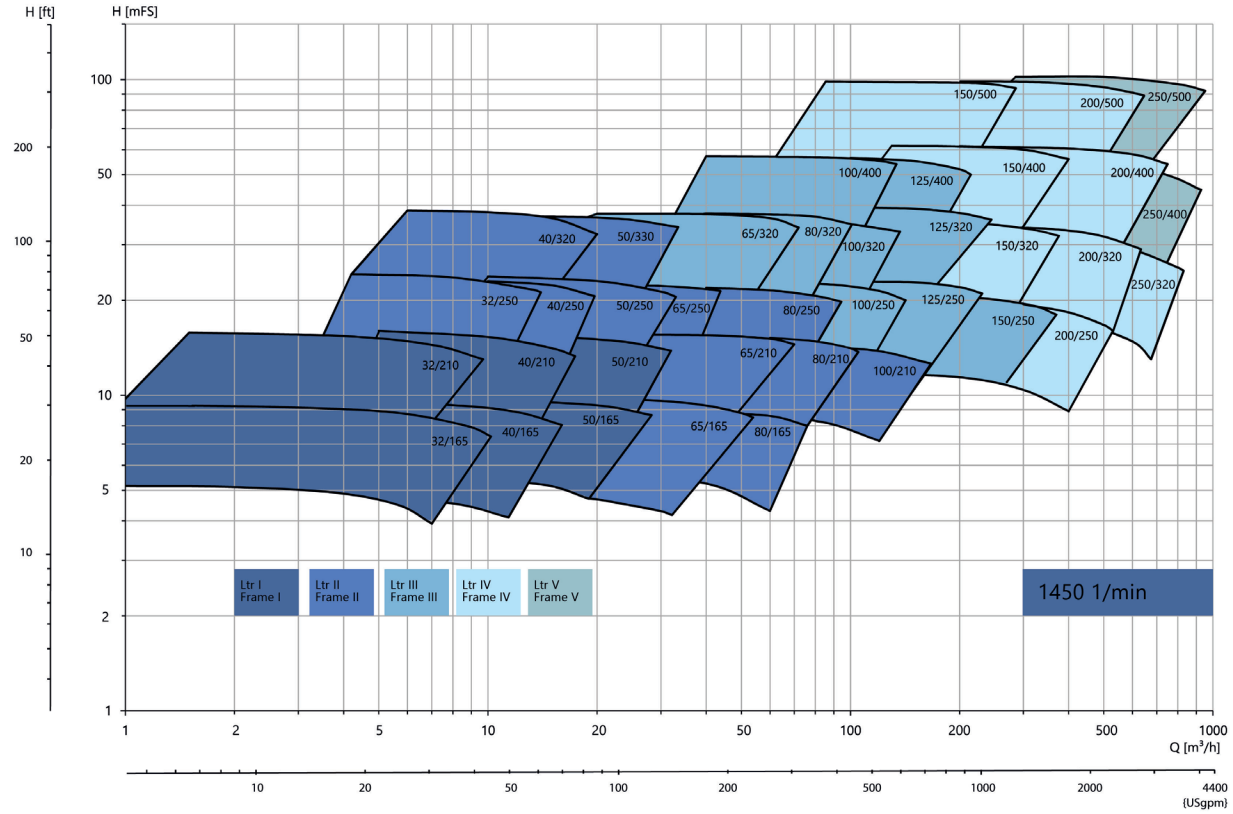
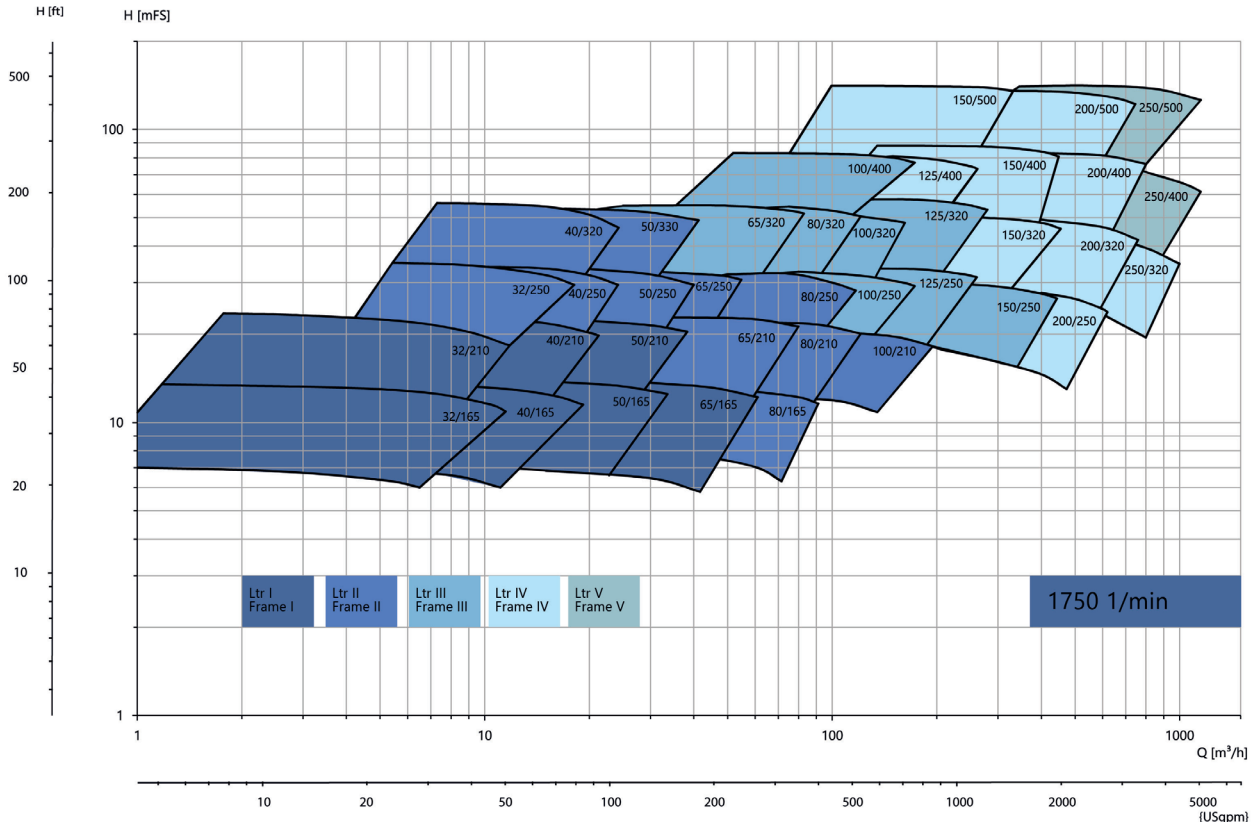
Characteristic curves





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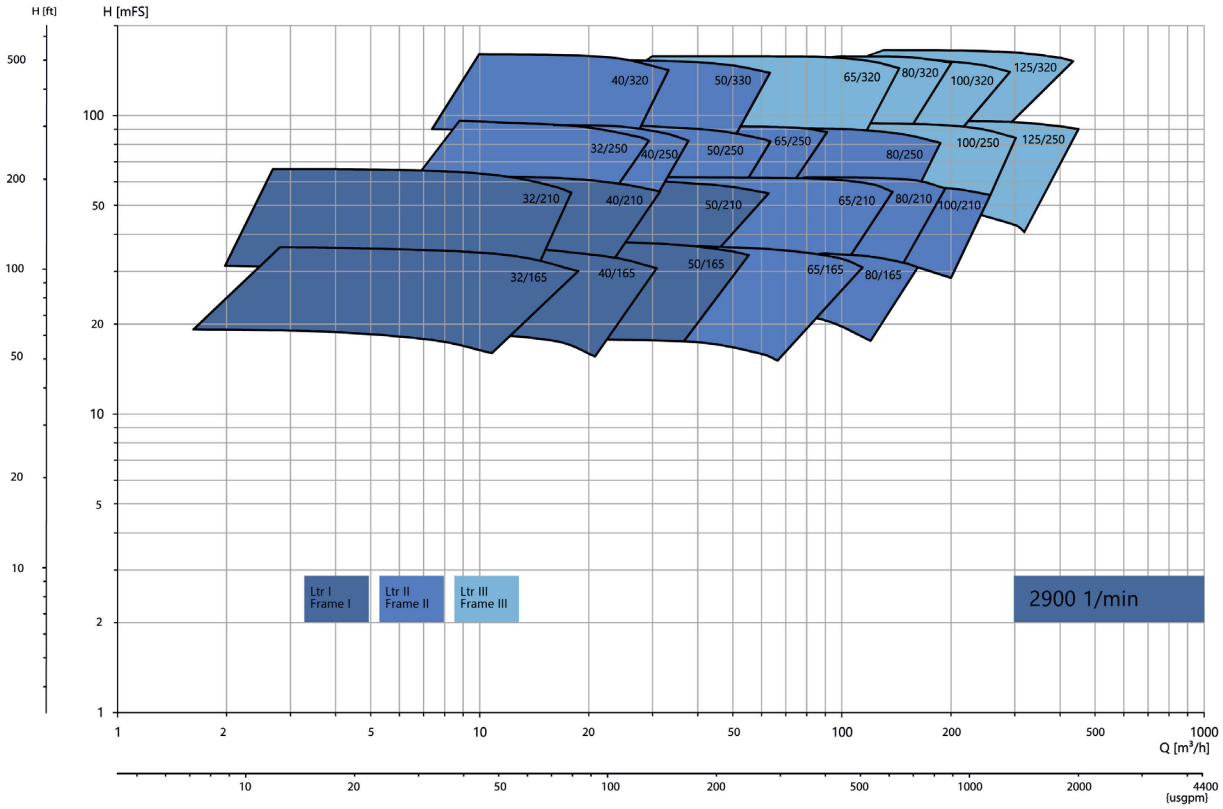

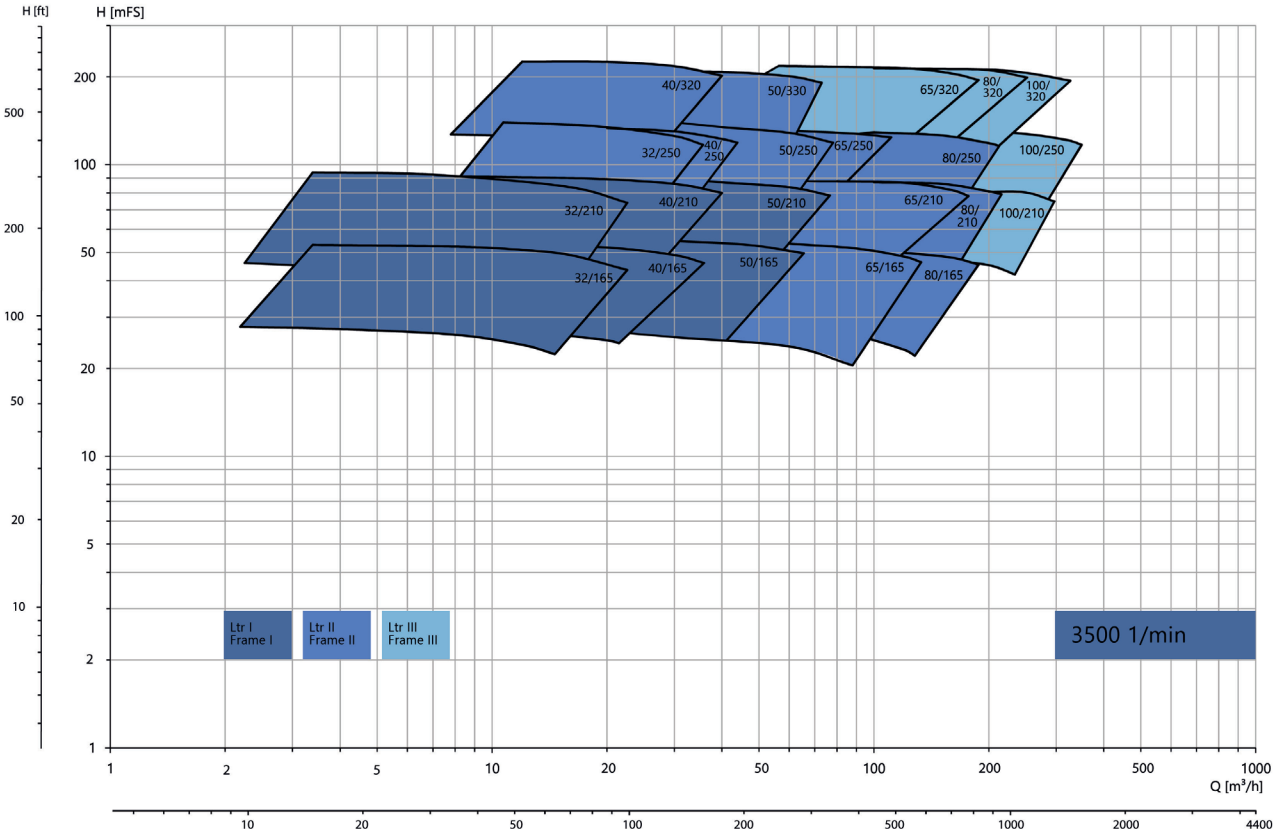

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