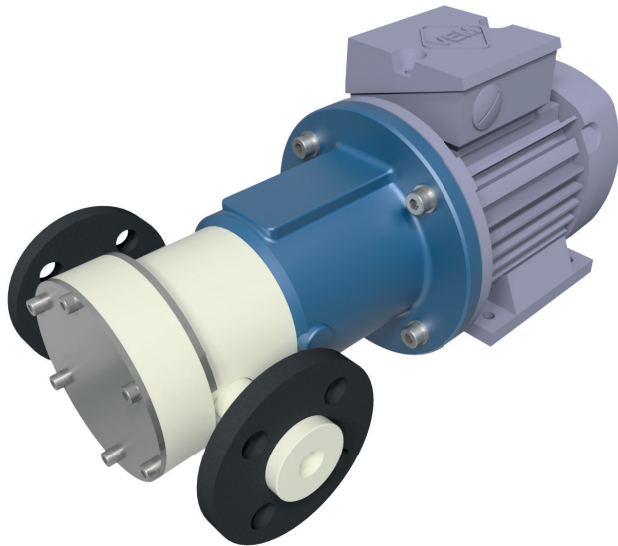


MAGNETICALLY COUPLED, NON-METALLIC GEAR PUMPS

Series TEF-MAG®

TEF-MAG 201



TECHNICAL DATA

Nominal speed:	1450 1/min (50Hz) 1750 1/min (60Hz)
Nominal flow:	260 l/h (68.68 us gph) 330 l/h (87.18 us gph)
Differential pressure, max.:	10 bar (145 psi)
Design pressure:	PN 16 bar (232 psi)
Temperature, max.:	65°C (149°F)
Density, max.:	1,9 kg/dm ³
Viscosity, max.:	5000 cP
NPSHR:	0,5 m
Drive power:	0,37 kW

APPLICATIONS

The pumps have proven their performance in every application that requires lower flow rates and high discharge pressures in combination with corrosive liquids and pulsation-free supplies.

Typical Applications:

- Metering corrosive catalysts in Biodiesel Plants
- Waste Water Treatment, neutralisation, flocculation
- Environment Engineering
- Metering Applications
- Plant Engineering
- Equipment Engineering
- Pharmaceutical-, Medical-, Bio- Engineering

CONNECTIONS

Threaded:	G3/8" female
Flanged:	DN15 PN10 ANSI 1/2"

MATERIALS

Housings: PP, PE, PVC, PVDF, PEEK
O-Rings: EPDM, Viton, Kalrez
Shafts: Al₂O₃ >99%, SSiC
Gears: PTFEC, PVDF, PEEK
Bearings: PTFEC, Graphite, PEEK, SSiC

FDA compliant materials are available upon request.

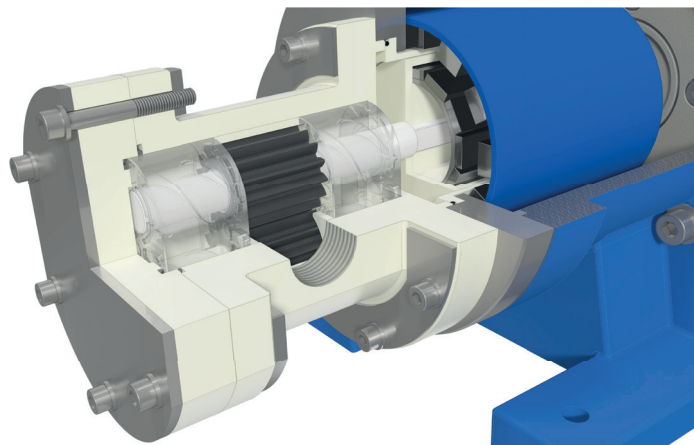
FEATURES AND BENEFITS

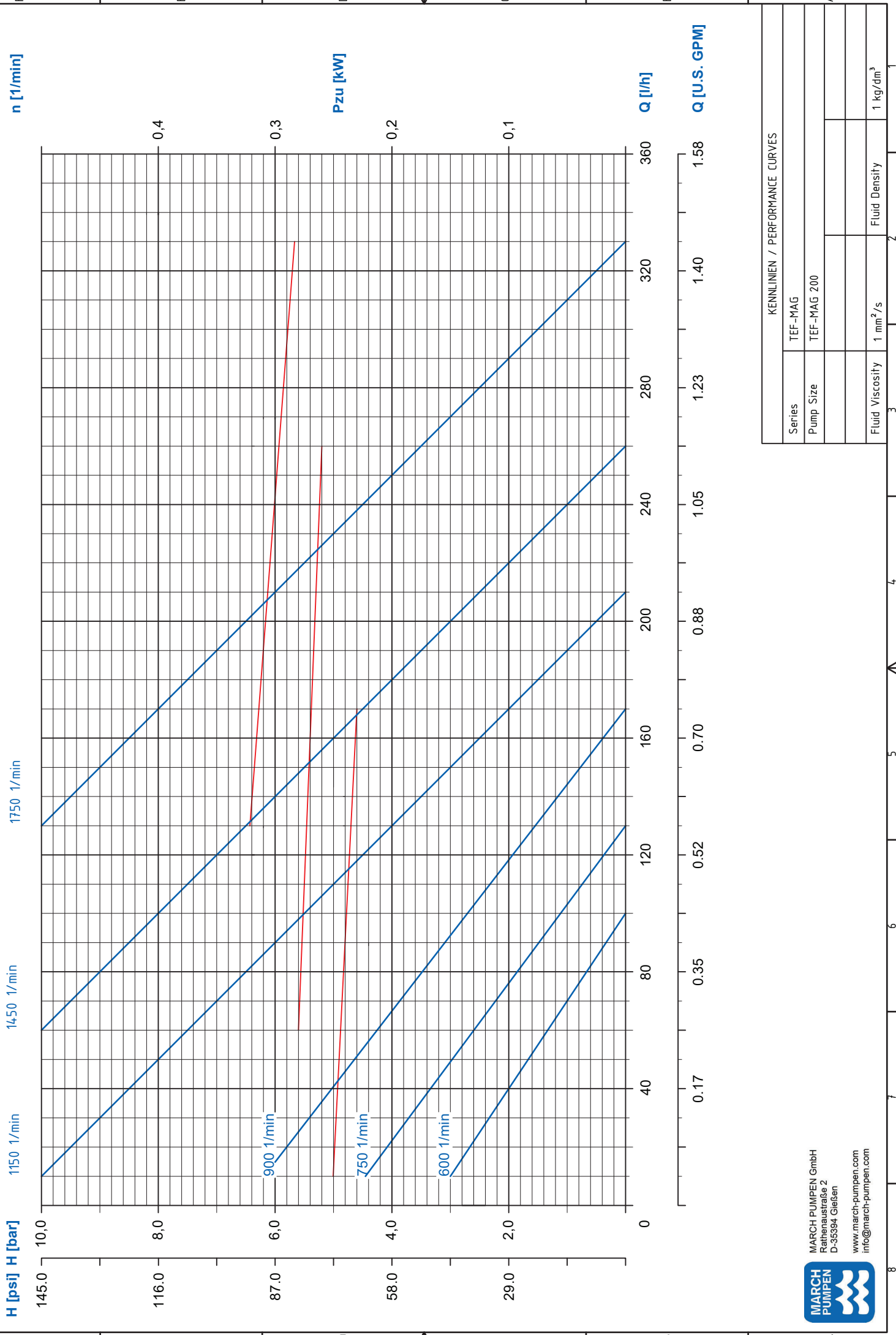
- European Patent No. 3786416
- USA Patent No. US 10,189,005 B2
- No need in expensive high alloys like Duplex, Hastelloy C or Titanium
- Rotary positive displacement pump
- External gear pump
- Nearby pulsation free
- Leak-free
- Magnetically coupled
- Low NPSHR-value
- Designed for Industrial Heavy Duty
- Corrosion resistant
- Self-priming (wet)
- Dry-run capable
- Small and compact design
- High discharge pressures
- Low flow rates
- Integrated Variable Frequency Drive (available on request)
- Pump acc. to ATEX 2014/34/EU

PRODUCT DESCRIPTION

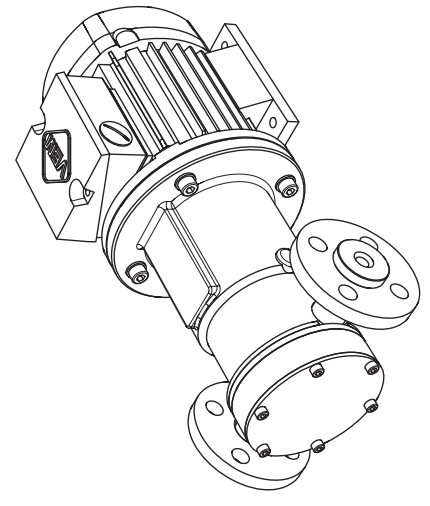
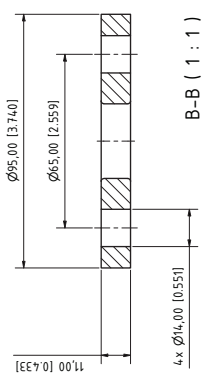
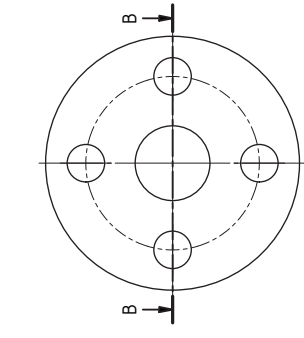
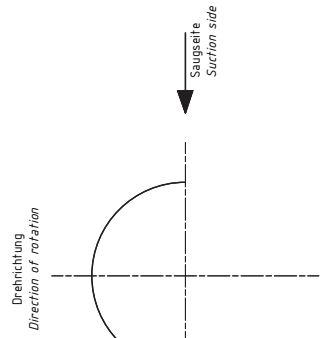
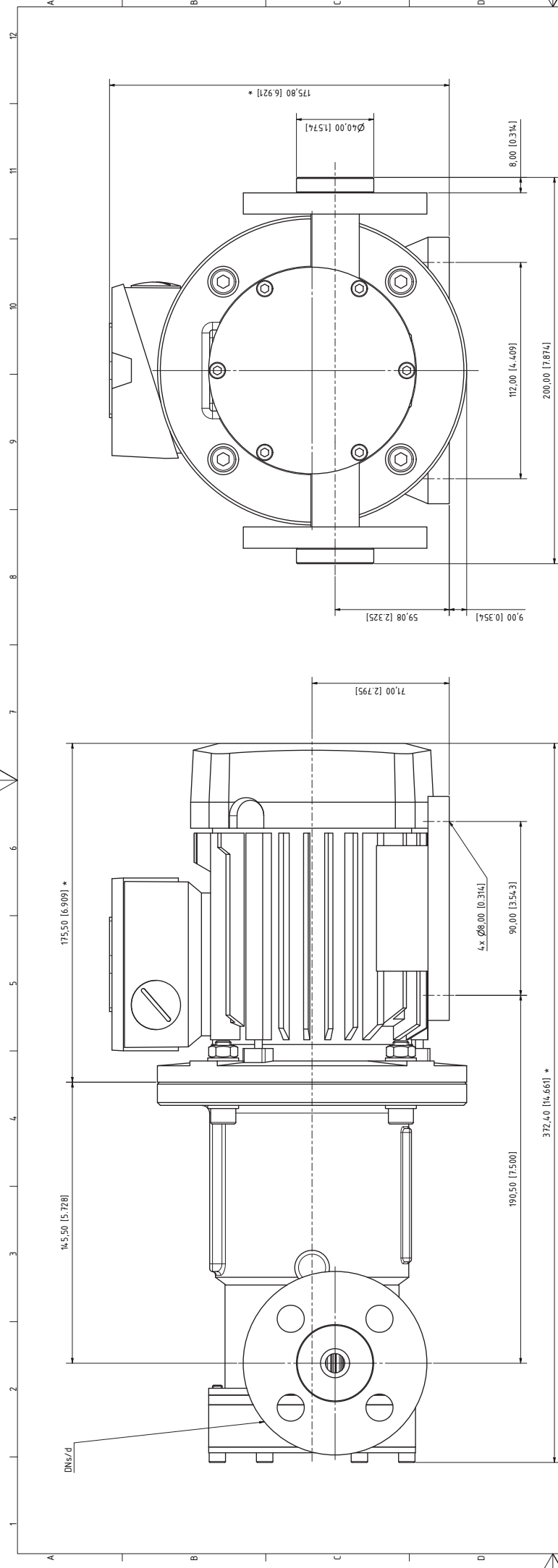
MARCH Series TEF-MAG® gear pumps are chemical resistant, non-metallic, rotating positive displacement pumps, external gear type and magnetically coupled. TEF-MAG® gear pumps generate low volumetric flows with middle to high differential pressures and approximately no pulsation. The pump housings are machined from chemical resistant solid block polymers like PP, PE, PVC, PVDF or PEEK. The internal hydraulic parts like gears and shafts are also made of highly corrosion resistant non-metallic materials. The power transmission of drive and pump happens in a contactless way with strong NdFeB permanent magnets. So the pump is able to work without any mechanical shaft seals, which guarantees save supplies without any leakage of corrosive, toxic and explosive fluids.

Pumps for potentially explosive ATEX Zones 1 or 2, are available in non-metallic materials





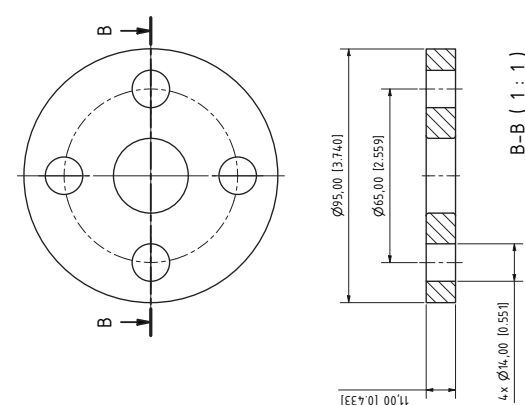
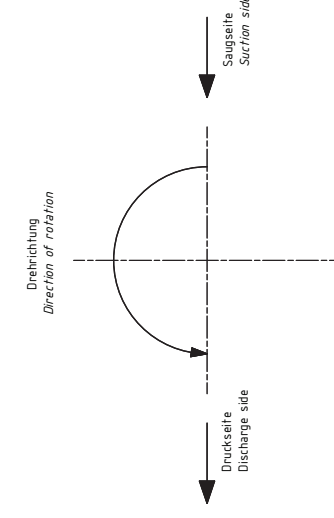
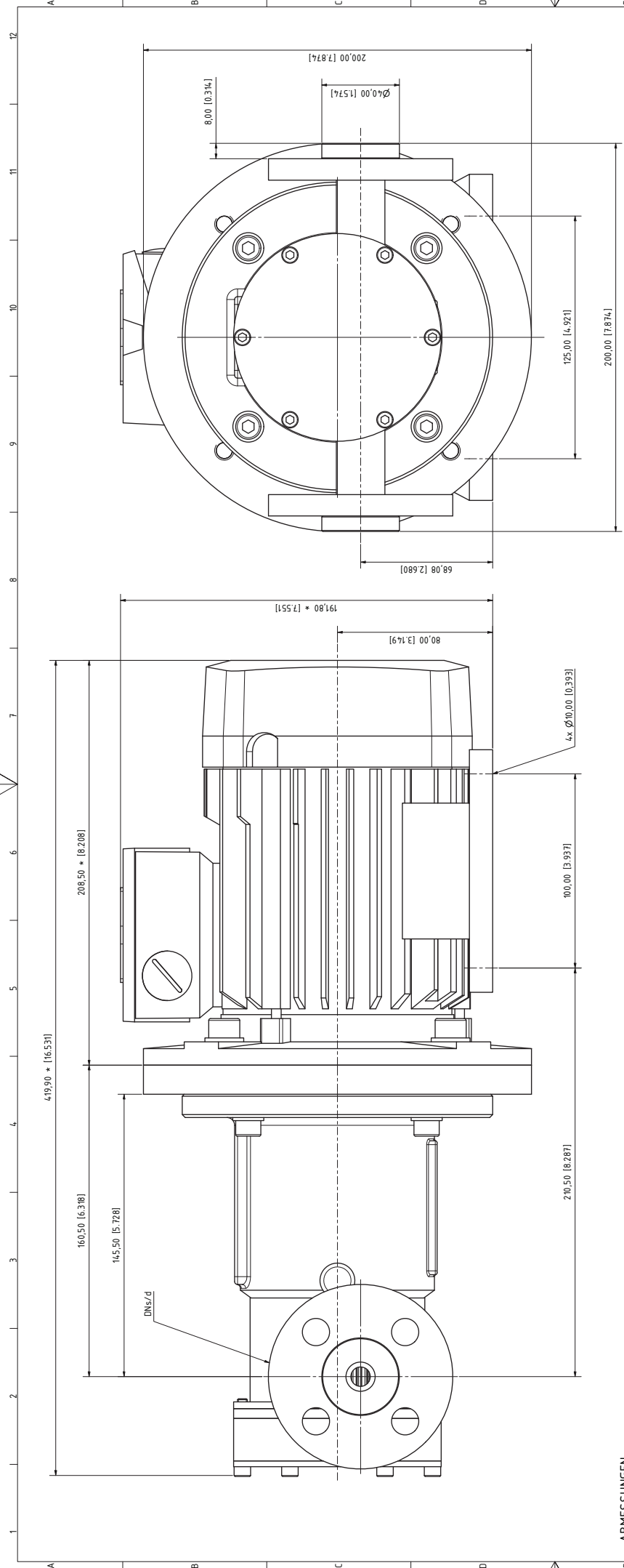
KENNLINIEN / PERFORMANCE CURVES	
Series	TEF-MAG
Pump Size	TEF-MAG 200
Fluid Viscosity	1 mm ² /s
Fluid Density	1 kg/dm ³



- E - **ABMESSUNGEN**
mm [Zoll]
* Maß kann bei anderen Motorenfabrikaten abweichen
- **DIMENSIONS**
mm [Inch]
* may change with different motor manufacturer
- F - **ANTRIEB**
Drehstrom-Asynchronmotor nach IEC Richtlinien.
Fabrikat: VEM
Größe: IEC BG70 IM B3 / B5, 0,37kW, 1450 1/min
- **DRIVE**
Three phase TEFC electric motor acc. to IEC Standards
Manufacturer: VEM
Size: IEC71 B3 / B5, 0,37kW, 1450 rpm
- **ANSCHLÜSSE DN's/d**
Losflansch DN15 PN10/16 - PPST
Saugseite / Druckseite abhängig von Drehrichtung.
Pumpe kann reversibel eingesetzt werden.
- **CONNECTIONS DN's/d**
Lap Joint Flange DN15 PN10/16 - PPST
Suction side / discharge side depends on direction of rotation.
Pump is reversible.

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Dr. Ullrich	Ullrich	Max. Datum	22.09.2016	Ullrich	TEF-MAG 0201 P_F IEC71 VEM	
MAG		TEF-MAG 0201 P_F IEC71 VEM		ABMESSUNGEN		
MAG		TEF-MAG 0201 P_F IEC71 VEM		DIMENSIONS		
MAG		TEF-MAG 0201 P_F IEC71 VEM		DRAWING_TM-0201-P-F-IEC71		



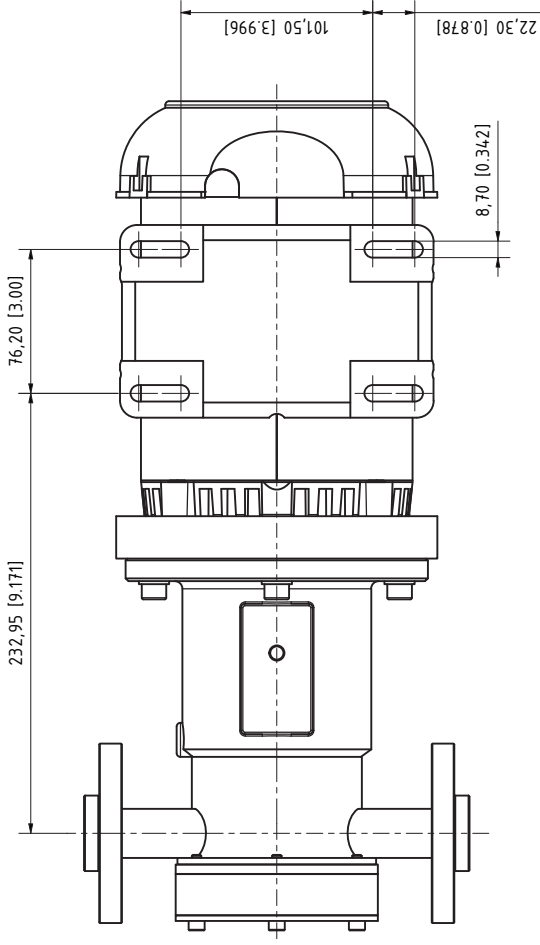
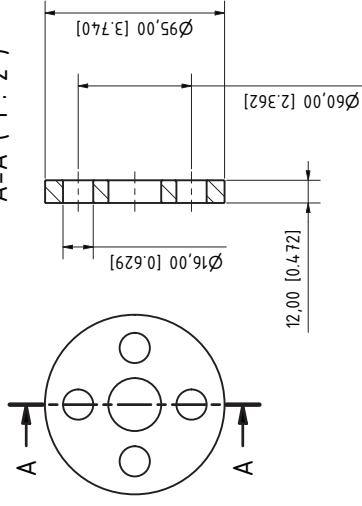
- E - ABMESSUNGEN
mm [Zoll]
* Maß kann bei anderen Motorenfabrikaten abweichen
- DIMENSIONS
mm [Inch]
* may change with different motor manufacturer
- F - ANTRIEB
Drehstrom-Asynchronmotor nach IEC Richtlinien.
Fabrikat: VEM
Größe: IEC BG80 IM B3 / B5, 0,55kW, 1500 1/min
- DRIVE
Three phase TEFC electric motor acc. to IEC Standards
Manufacturer: VEM
Size: IEC80 B3 / B5, 0,55kW, 1500 rpm
- G - ANSCHLÜSSE DNs/d
Losflansch DN15 PN10/16 - PPST
Saugseite / Druckseite abhängig von Drehrichtung.
Pumpe kann reversibel eingesetzt werden.
- CONNECTIONS DNs/d
Lap Joint Flange DN15 PN10/16 - PPST
Suction side / discharge side depends on direction of rotation.
Pump is reversible.

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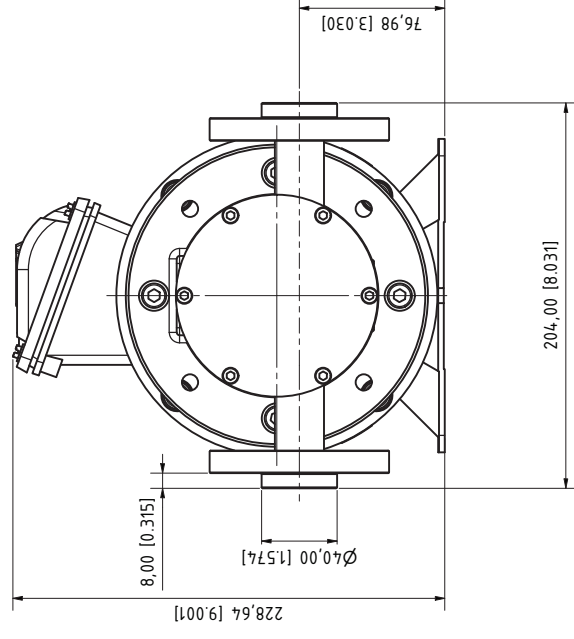
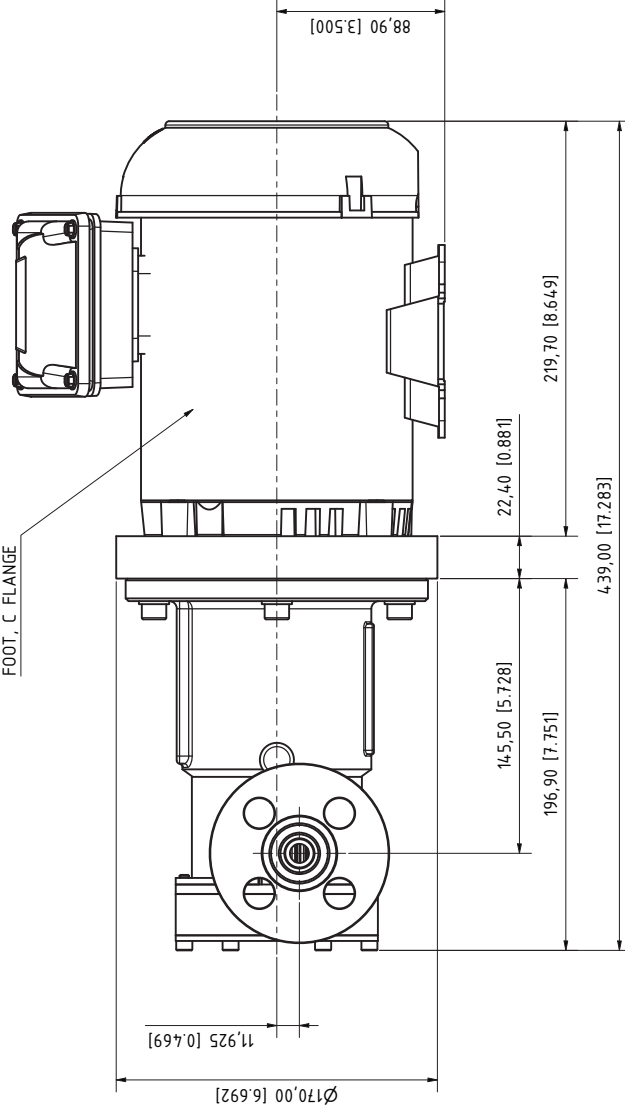
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Abmessungen: DIMENSIONS		Date: 03.09.2021	
DPTM-0201-P_F-H-IEC80-VEM		Scale: 1:1	

Execution:
 PP-GF (30% glass fiber reinforced) with steel insert
 Connection dimensions according to: ANSI / ASME B 16.5 class 150,
 ASTM D 4024, BS 1560, BS EN 1759

A-A (1 : 2)



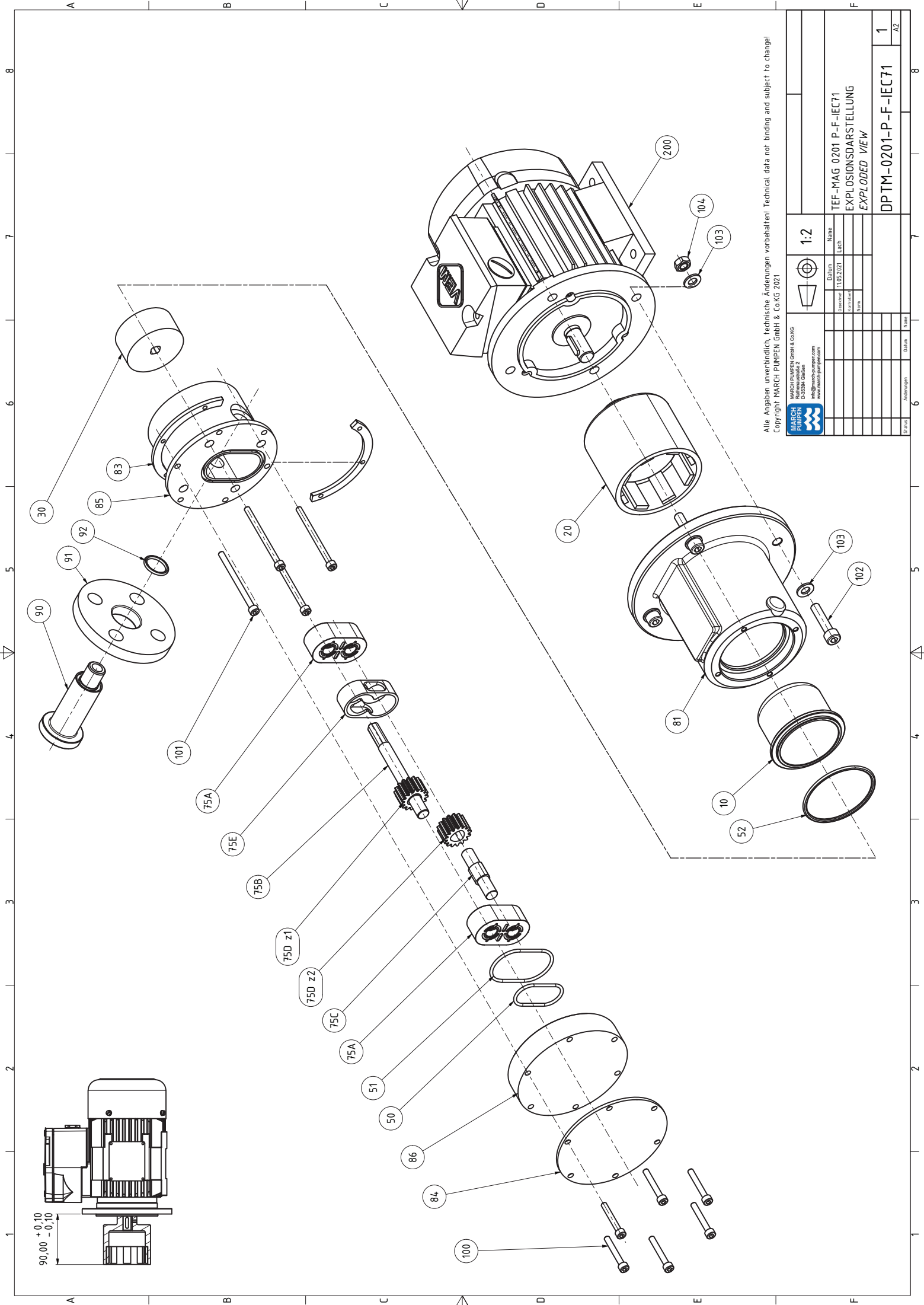
WEG TEFC W56
 FOOT, C FLANGE



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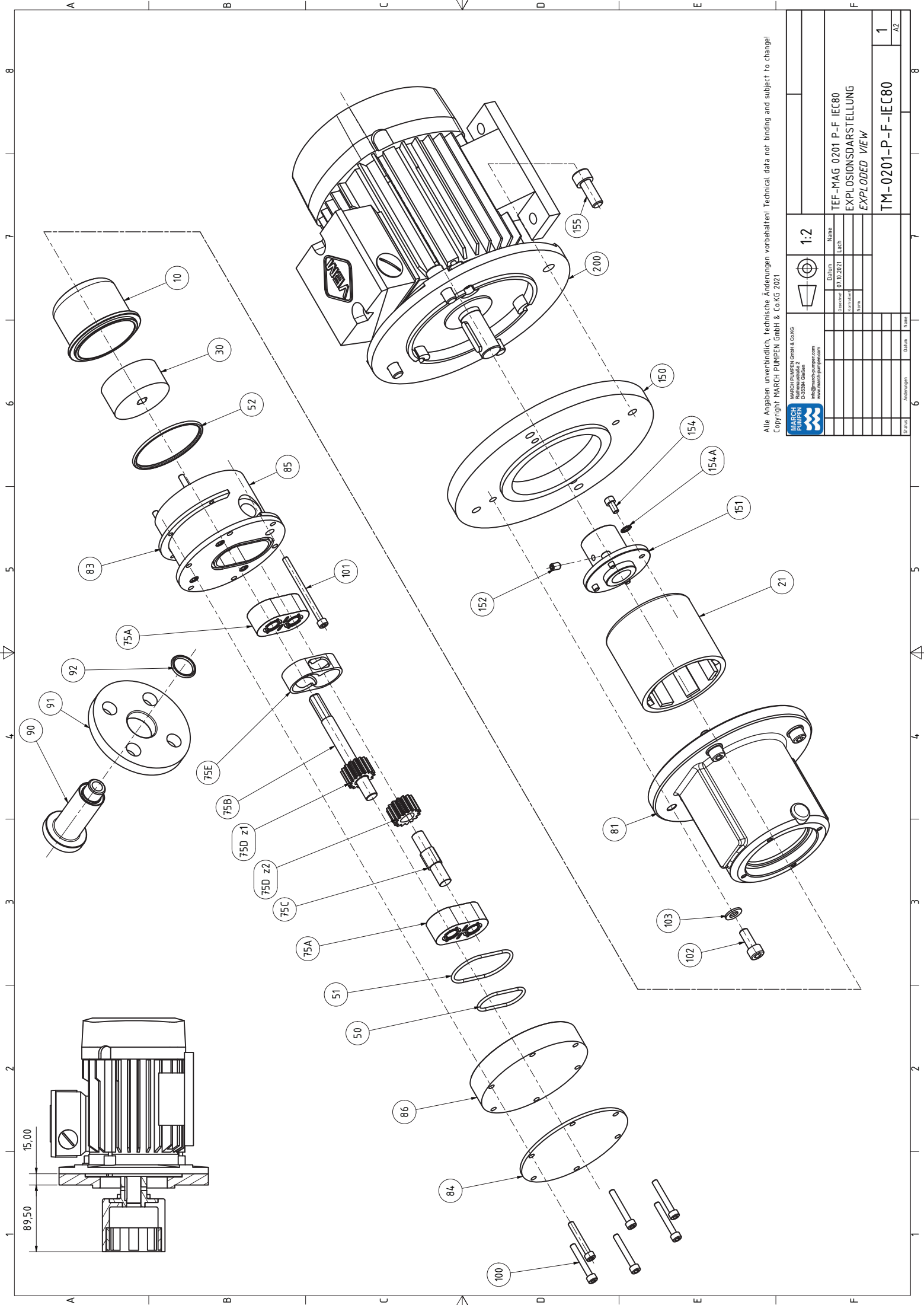


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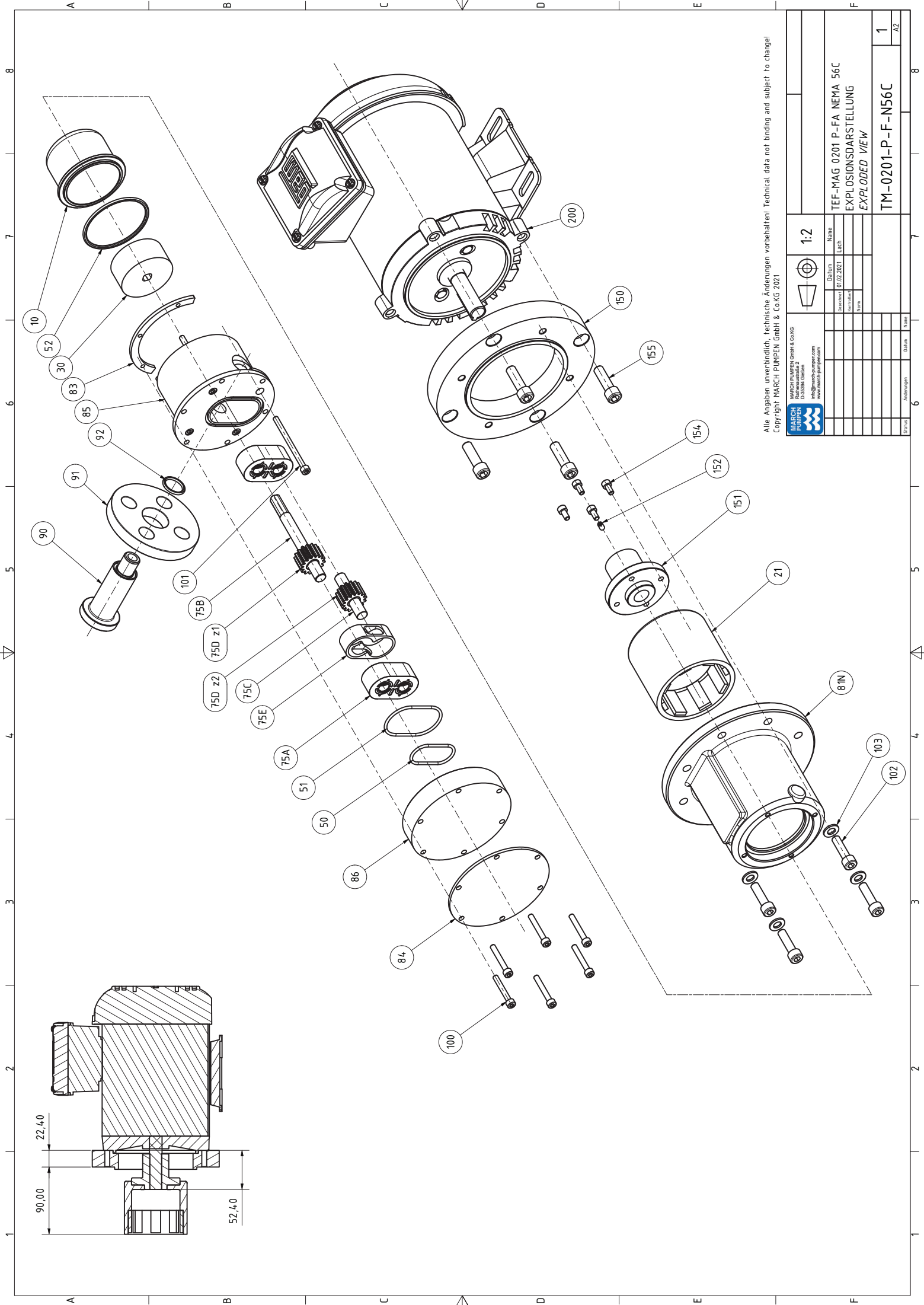
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