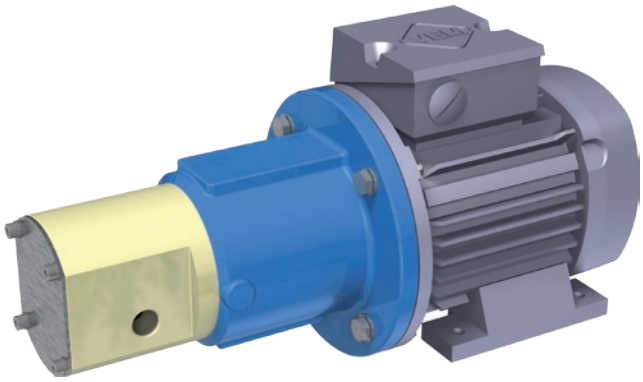
MAGNETIC DRIVEN GEAR PUMPS

Series TEF-MAG

TEF-MAG 200



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)
Discharge pressure, max.:	10 bar (145 psi)
Design pressure:	PN 16 bar (232 psi)
Temperature, max.:	65°C (149°F)
Density, max.:	1,9 kg/dm³
Viscosity, max.:	5000 cP

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:
- Biodiesel Plants
- Waste Water Treatment
- Environment Engineering
- Metering Applications
- Plant Engineering
- Equipment Engineering
- Pharmaceutical-, Medical-, Bio- Engineering

CONNECTIONS

Threaded:	1/2" FNPT
Flanged:	DN15 PN10
	ANSI 1/2“

MATERIALS

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

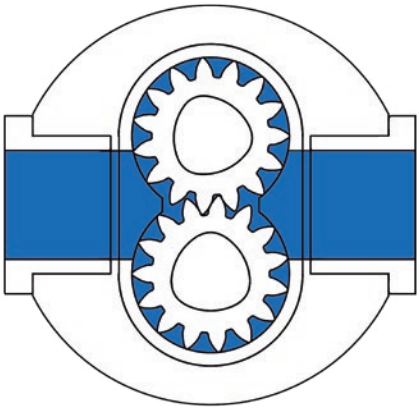
TEF-MAG Canada:
Vissers Sales
(800) 367-4180

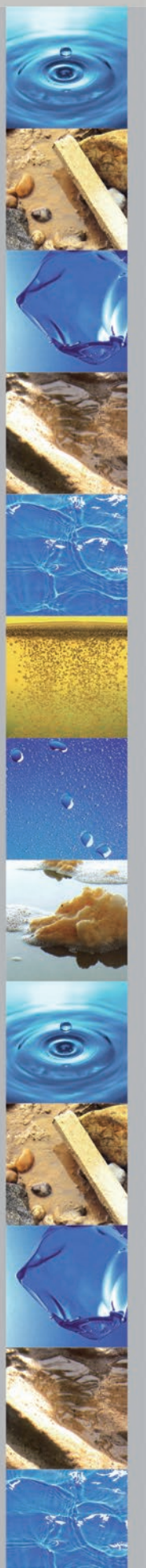
FEATURES AND BENEFITS

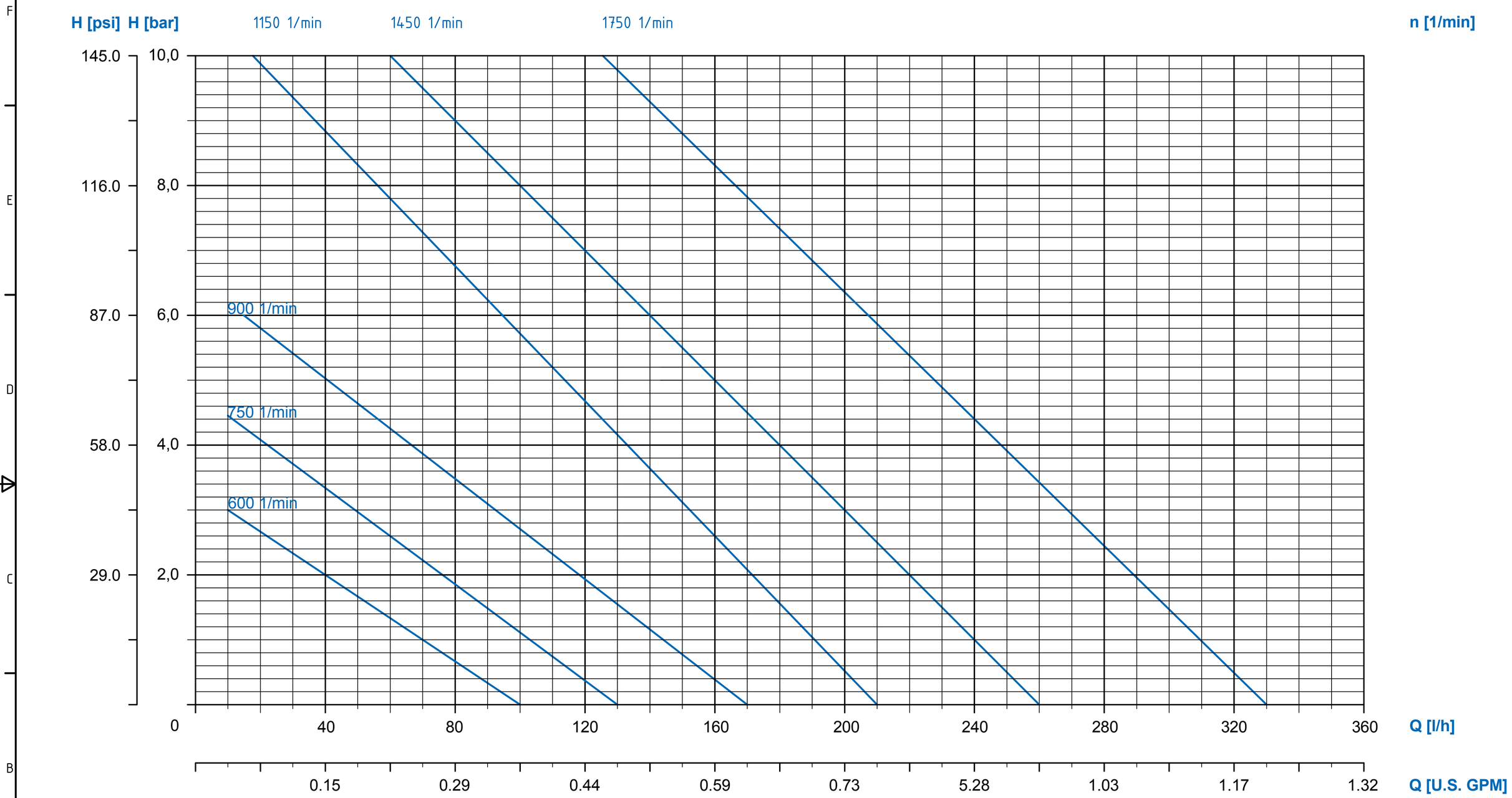
- No need in expensive high alloys like Duplex or Hastelloy
- Rotary positive displacement pump
- External gear pump
- Nearby pulsation free
- Leak-free
- Magnetic driven
- Low NPSHR-value of 0,6m only
- Leak-free
- Rugged
- Corrosion-restistant
- Self-priming
- Dry-run capable
- Small and compact design
- Linear performance curves while variable speed controlling
- 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 corrosion resistant, non-metallic, rotating positive displacement pumps, external gear type and magnetically coupled. TEF-MAG gear pumps generate low flows with high discharge pressures and approximately no pulsation. The pump housing is made of resistant solid block plastics like PP, PVDF or PTFE. 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 firm 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 also.







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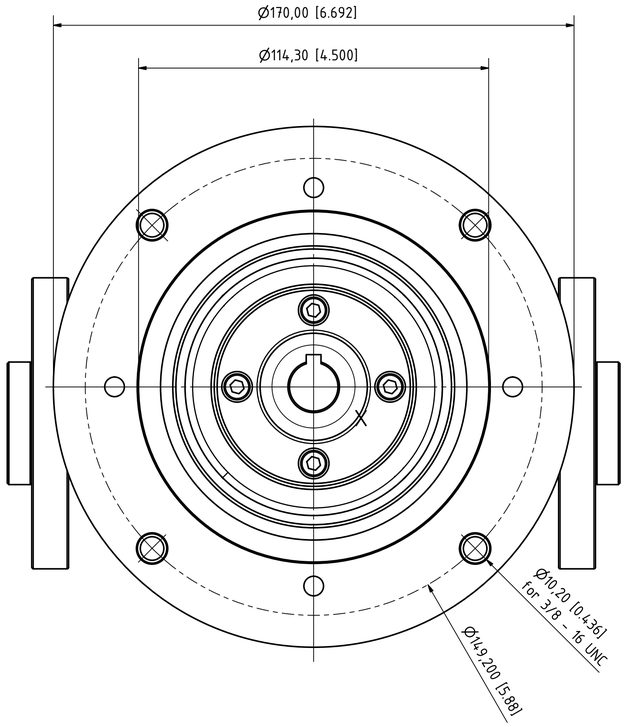
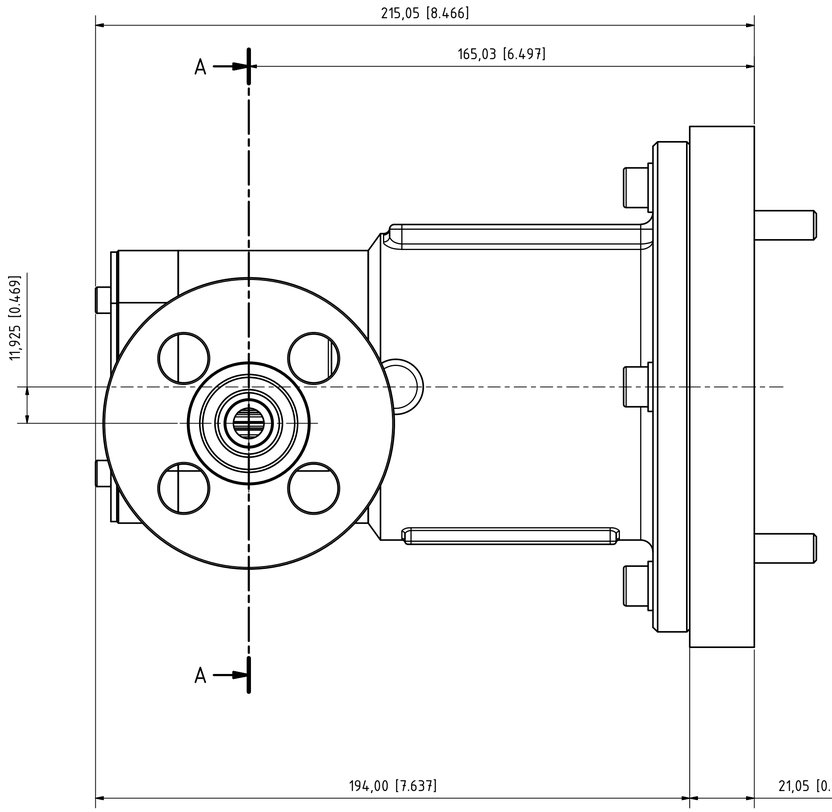
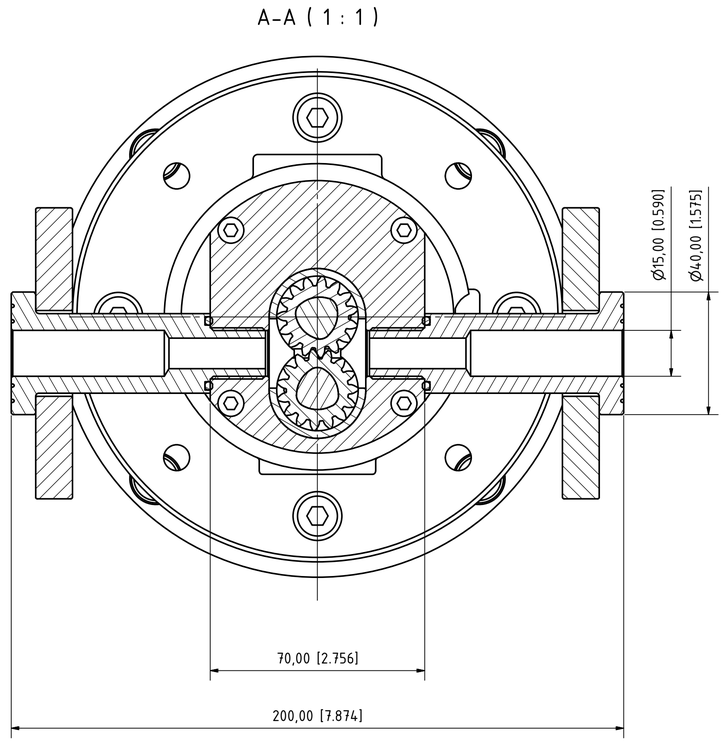
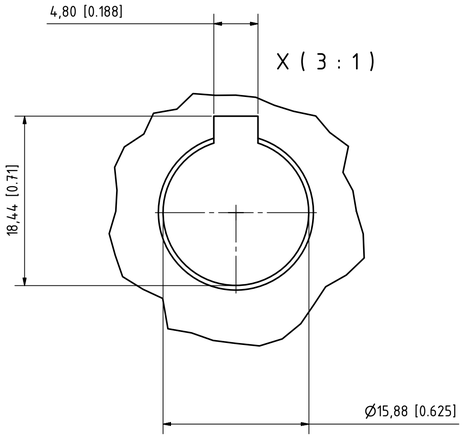
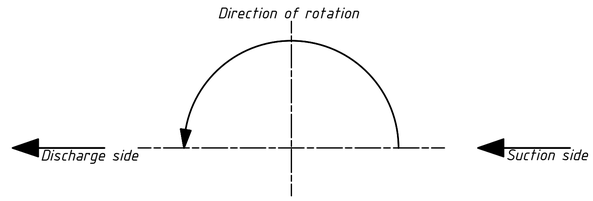
KENNLINIEN / PERFORMANCE CURVES			
Series	TEF-MAG		
Pump Size	TEF-MAG 200		
Motor Power	0,12kW	0,25kW	0,37kW / 0.5HP
Speed	750 / 900 1/min	900 / 1150 1/min	1450 / 1750 1/min
Fluid Viscosity	1 mm^2/s	Fluid Density	1 kg/dm^3

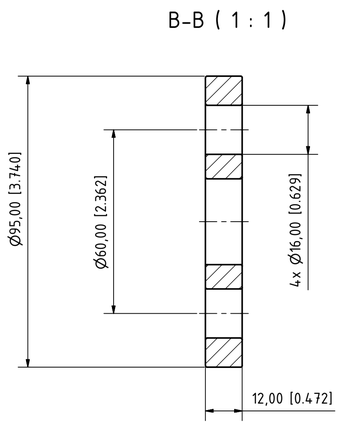


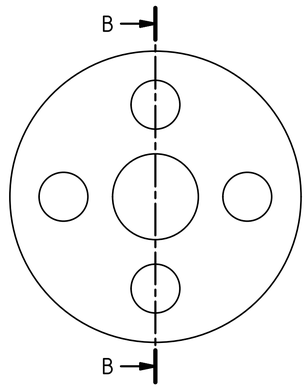












- DIMENSIONS
mm [Inch]

- DRIVE
Pump Bracket and Drive Magnet
are adapted for NEMA 56C electric motors

- CONNECTIONS
Lap Joint Flanges acc. to ASME B 16.5 / 1/2"
or
Threaded 3/8" BSP female
Suction side / discharge side depends on direction of rotation.
Pump is reversible.

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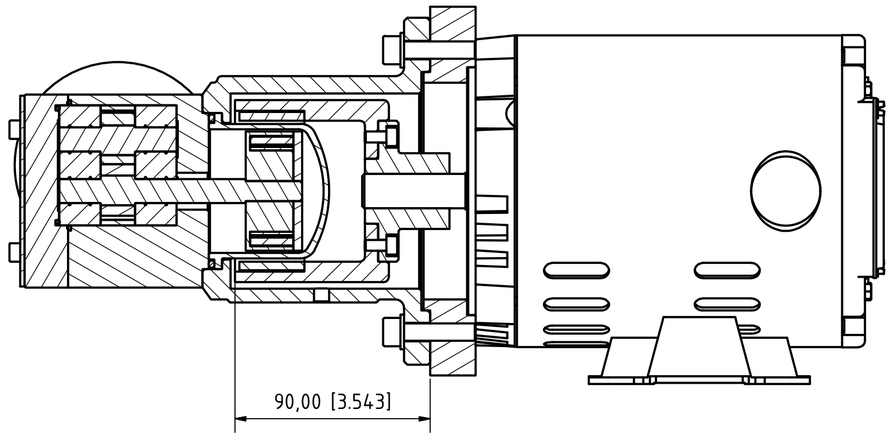
1:1

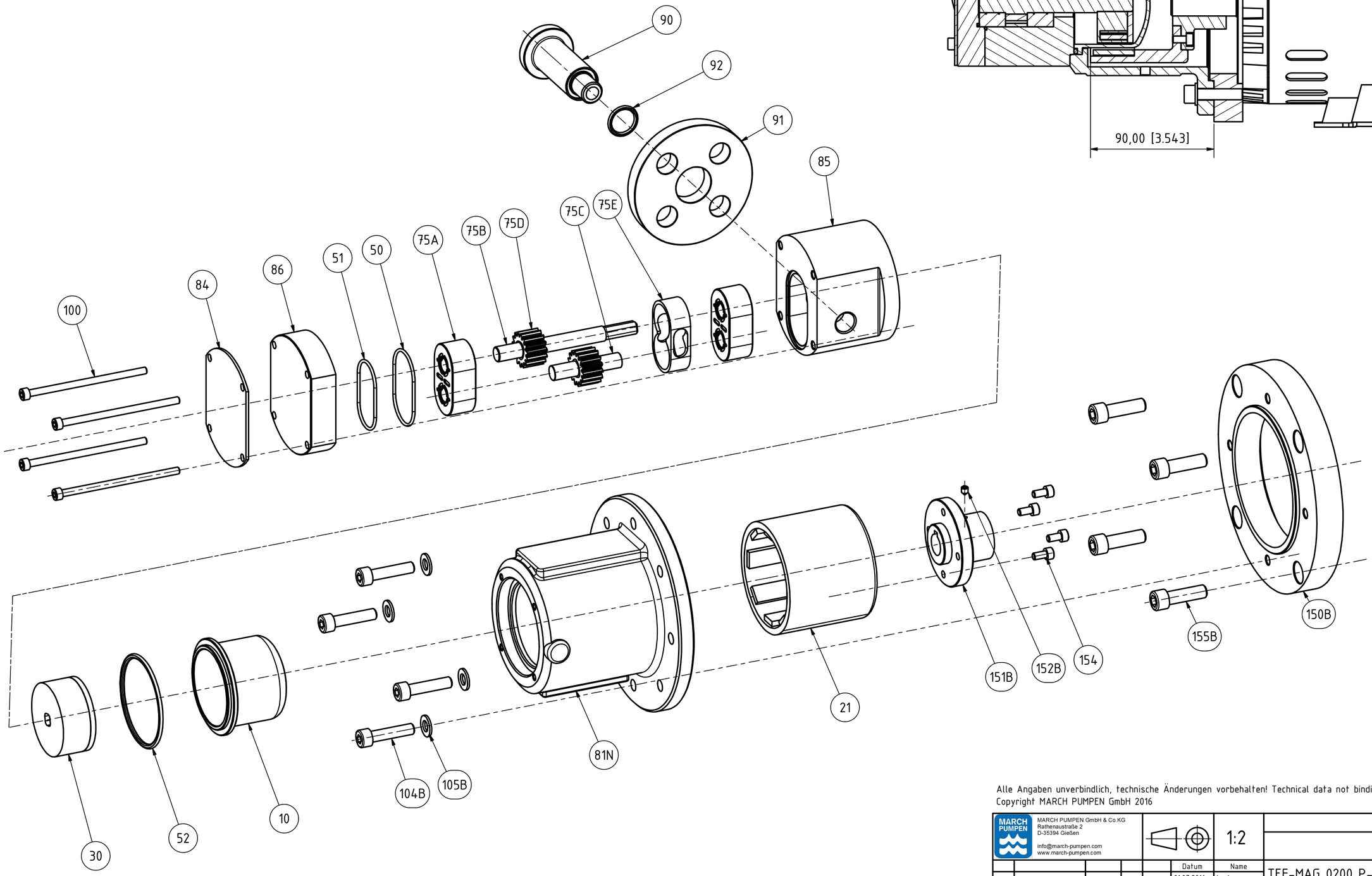
	Datum	Name
Gezeichnet	07.07.2016	Lach
Kontrolliert		
Norm		

TEF-MAG 0200 P-FA
DIMENSIONS
NEMA 56C

DPTM-0200-P-FA-N56C | 1 | A1

Status	Änderungen	Datum	Name





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1:2

	Datum	Name
Gezeichnet	01.07.2016	Lach
Kontrolliert		
Norm		

TEF-MAG 0200 P-FA NEMA 56C
EXPLOSIONSDARSTELLUNG
EXPLODED VIEW

EXP-0200-P-NEMA56C | 1 | A2

Status	Änderungen	Datum	Name