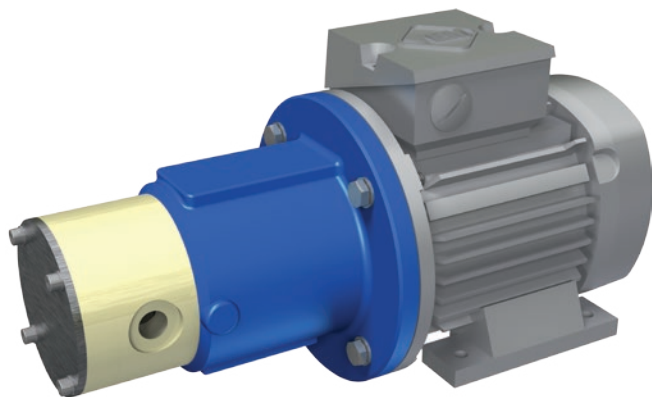


MAGNETICALLY COUPLED ROTARY SLIDING VANE PUMP

Series VANE-MAG MP

MP 114 - 514



PERFORMANCE DATA

Nominal speed:	1450 1/min / 1750 1/min
Nominal frequency:	50 Hz / 60Hz
Nominal flow rate:	
MP 114:	160 l/h / 200 l/h (52,83 US gph)
MP 214:	230 l/h / 280 l/h (73,97 US gph)
MP 314:	290 l/h / 380 l/h (100,39 US gph)
MP 414:	400 l/h / 495 l/h (130,77 US gph)
MP 514:	480 l/h / 585 l/h (154,54 US gph)
Discharge pressure, max:	5 bar (72,52 psi)
Design pressure:	PN 6 bar (87,2 psi)
Temperature, max.:	65°C (149°F)
Viscosity, max.:	1000 mPa s
Density, max.:	1,9 kg/dm³

APPLICATIONS

The VANE-MAG® sliding vane pumps have proven their performance in every application that requires lower flow rates at high discharge pressure, when corrosive liquids must be metered.

Typical Applications:

- Water treatment especially precipitation, flocculation, sedimentation and neutralisation
- Metering pump in Biodiesel production
- Metering pump in laboratory environments
- Chemical dosing / metering applications
- Plant Engineering
- Equipment Engineering
- Pharmaceutical-, Medical-, Bio- Engineering

MATERIALS

Housing:	Polypropylene, PVDF
O-Rings:	EPDM, Viton, Kalrez
Rotor:	PVDF-FCR
Stator, Vanes.:	Phenoli Resin Carbon-Graphite
Bearings:	SiC

CONNECTIONS

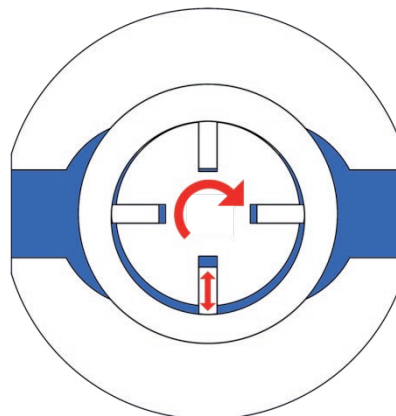
Threads:	G3/8" female, 1/2" NPT female
Lap Joint Flanges:	DN15 PN10, 1/2" ANSI

DESIGN FEATURES

- Rotating positive displacement pump
- Sliding Vane Pump
- Corrosion resistant due to non-metallic materials
- Magnetically coupled
- Leak-Free
- Rugged
- Wet self-priming
- Compact block design
- Approximately no pulsation
- Middle to high discharge pressure
- Low capacity flow rates
- Metering capable

PRODUCT DESCRIPTION

MARCH Series: VANE-MAG® MP pumps are rotary positive displacement pumps, magnetically coupled and made of non-metallic materials. Characteristic wise, rotary sliding vane pumps generate low volumetric flows with middle to high discharge pressures and approximately no pulsation. The operating principle is based on radial sliding vanes, which are rotating in an eccentric stator.



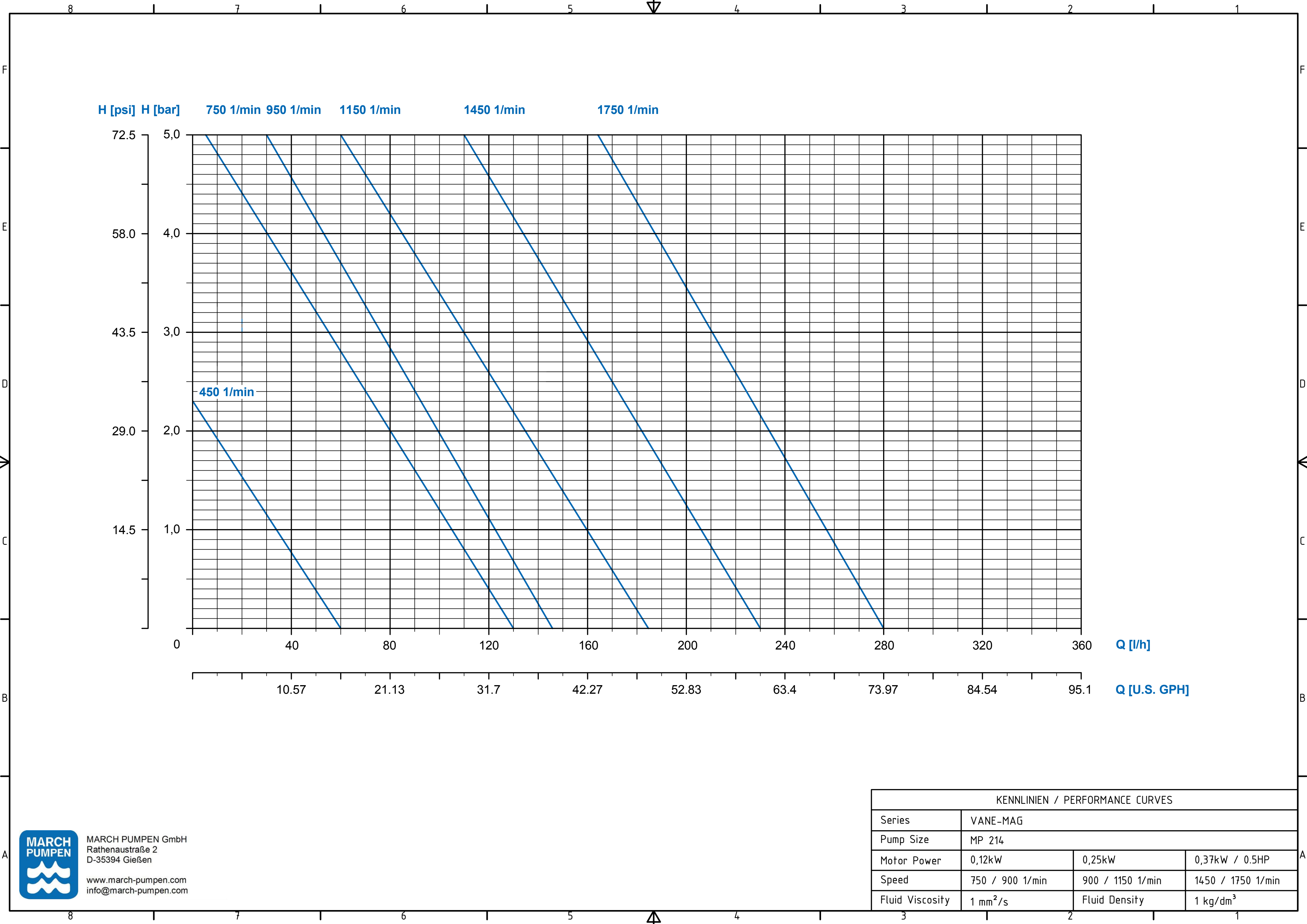
The pump housing is made of corrosion resistant solid block plastics like PP or PVDF. The motor power is transmitted by a frictional connection to the hydraulic part of the pumps by strong Neodymium-Permanent-Magnets. So the pump is able to work without any shaft seals, which guarantees a safe and maintenance-free transfer of the liquid without any leakage of corrosive, toxic and explosive fluids. Pumps for hazardous explosive areas, zone 1 or 2, can be made out of conductive PVDF.

MOTOR ADAPTION

EU Version:	IEC Size 71 B35, 0,37kW 1500 1/min
US Version:	NEMA56C, 0.5 HP 1750 1/min

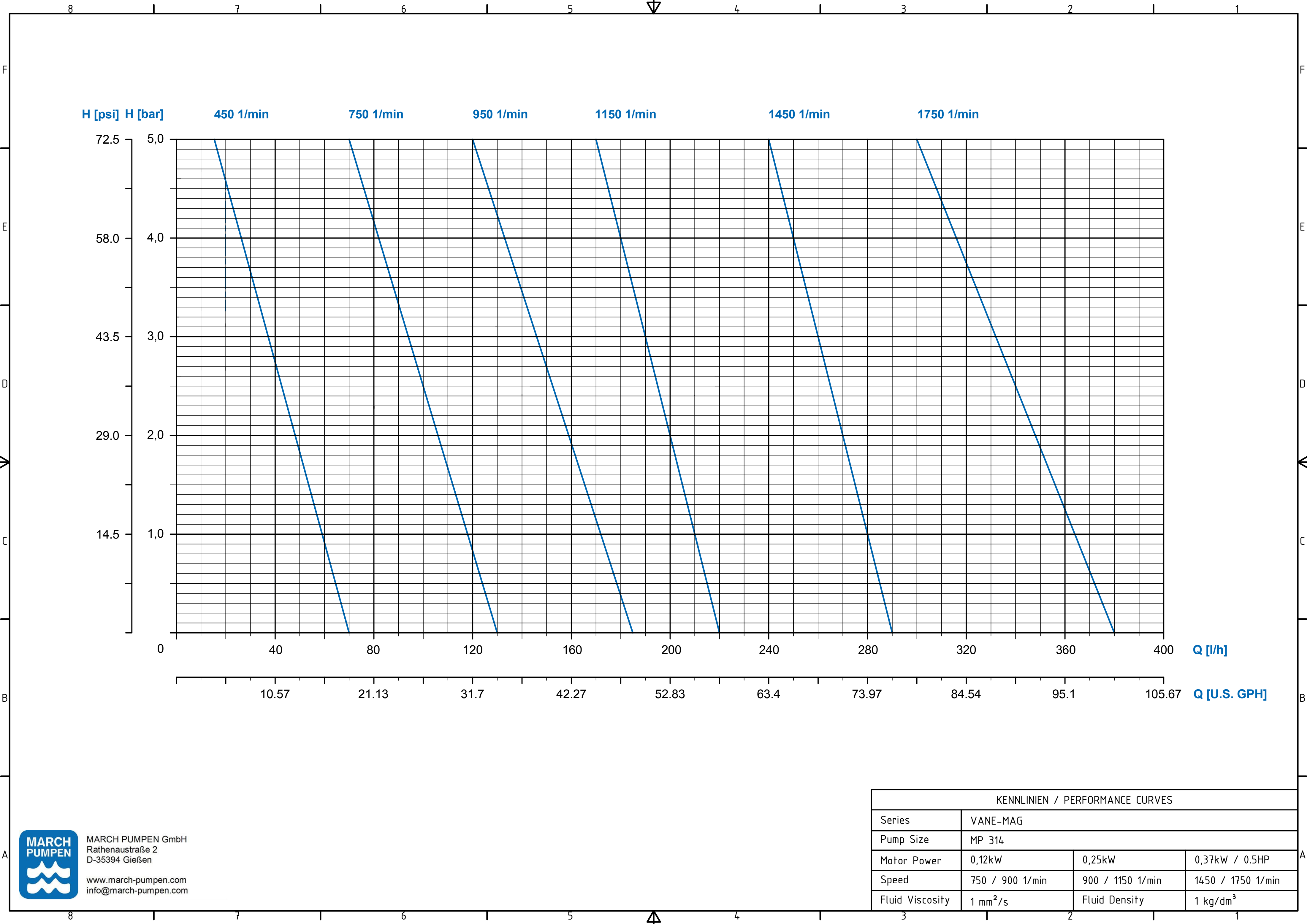


VANE-MAG Canada
Vissers Sales Corp. : sales@vissers.on.ca : 800-367-4180



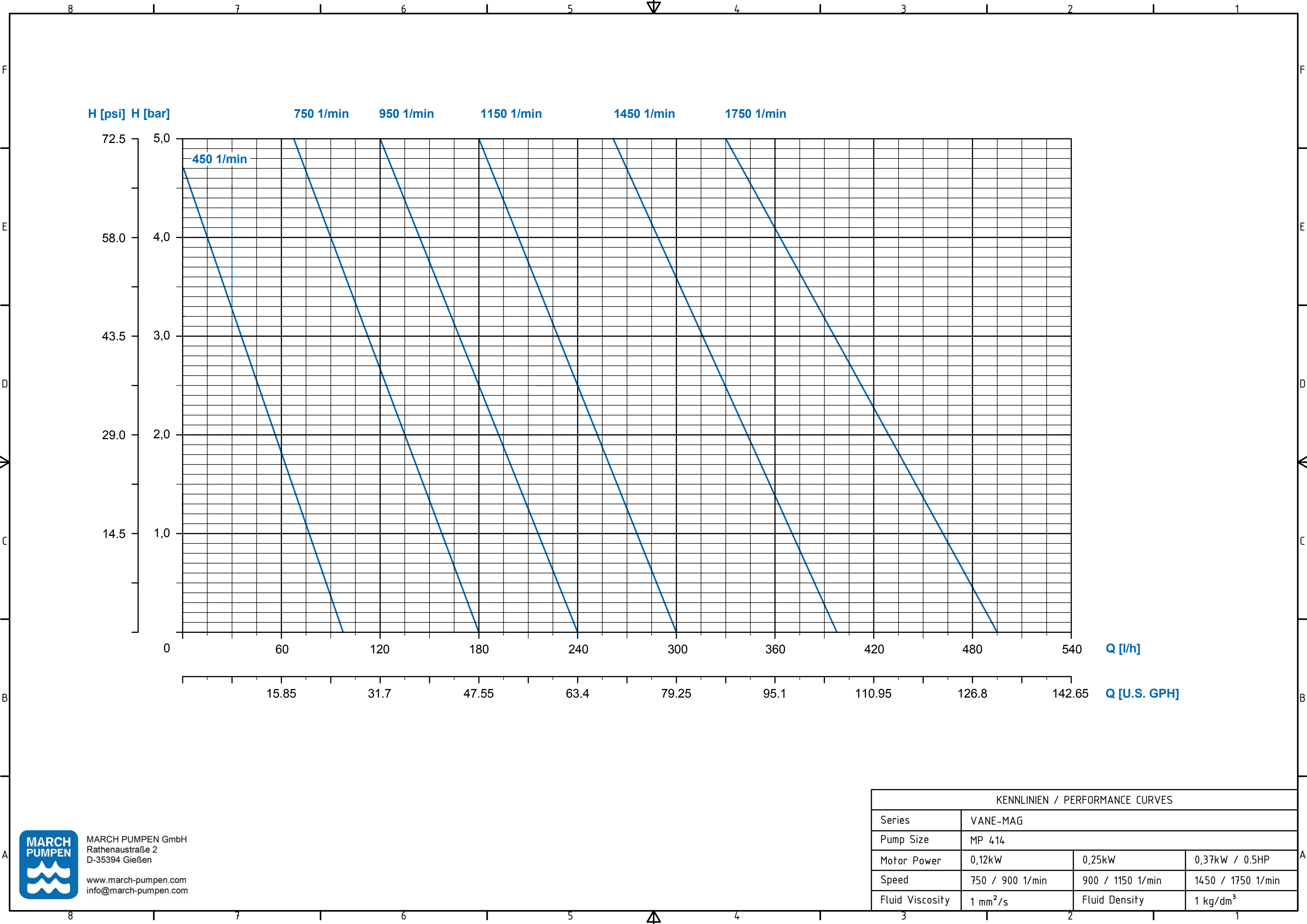
MARCH PUMPEN GmbH
Rathenaustraße 2
D-35394 Gießen
www.march-pumpen.com
info@march-pumpen.com

KENNLINIEN / PERFORMANCE CURVES			
Series	VANE-MAG		
Pump Size	MP 214		
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



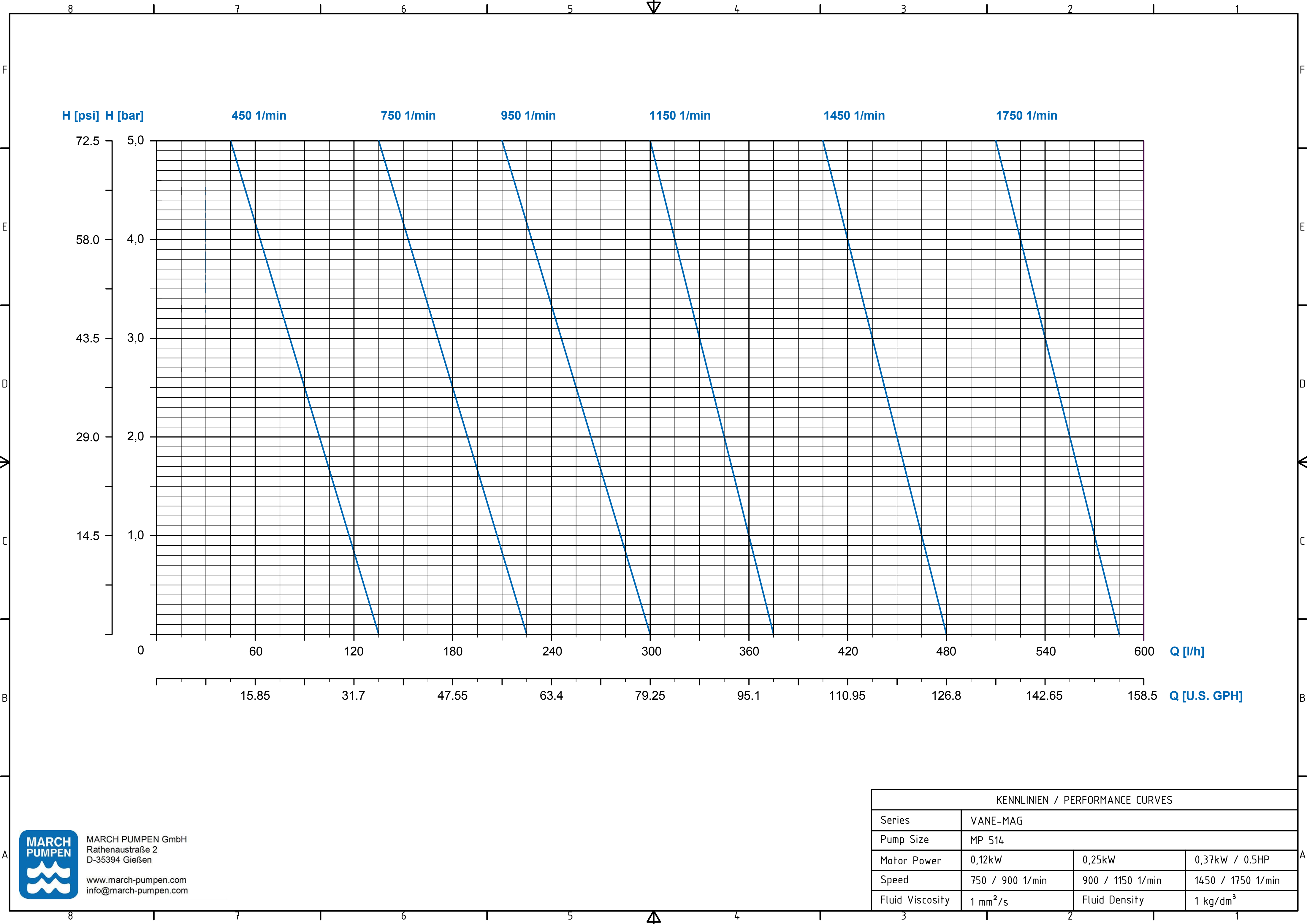
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D-35394 Gießen
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info@march-pumpen.com

KENNLINIEN / PERFORMANCE CURVES			
Series	VANE-MAG		
Pump Size	MP 314		
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



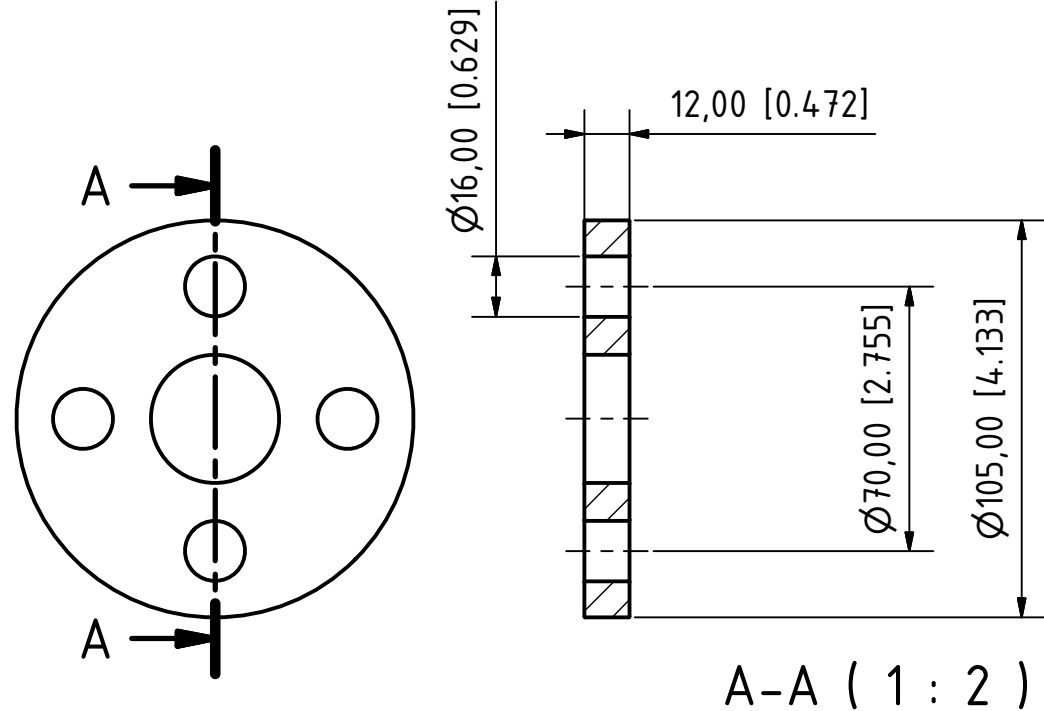
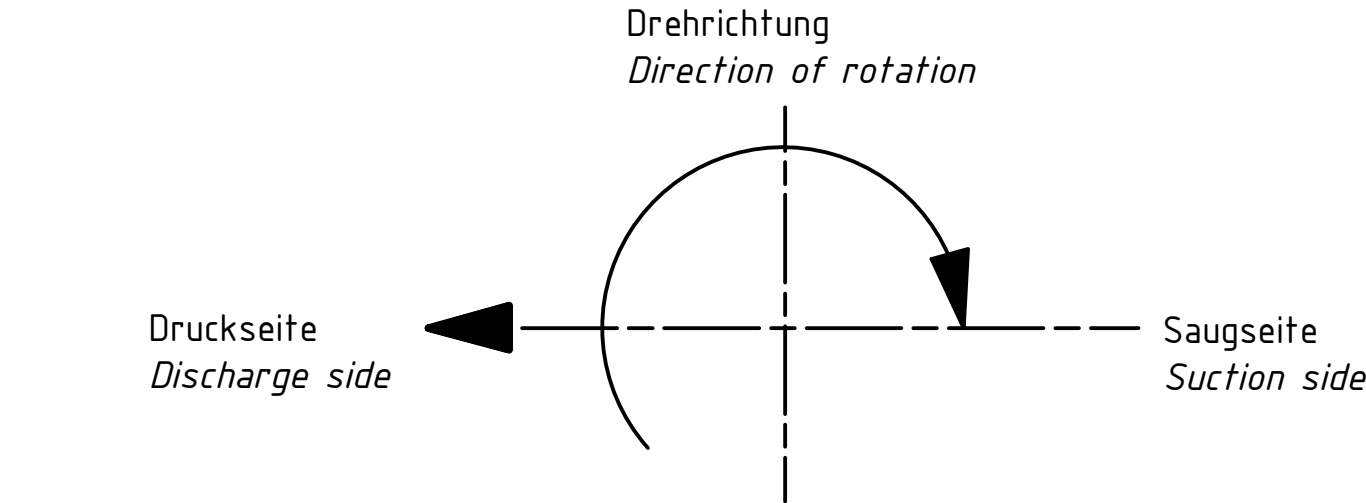
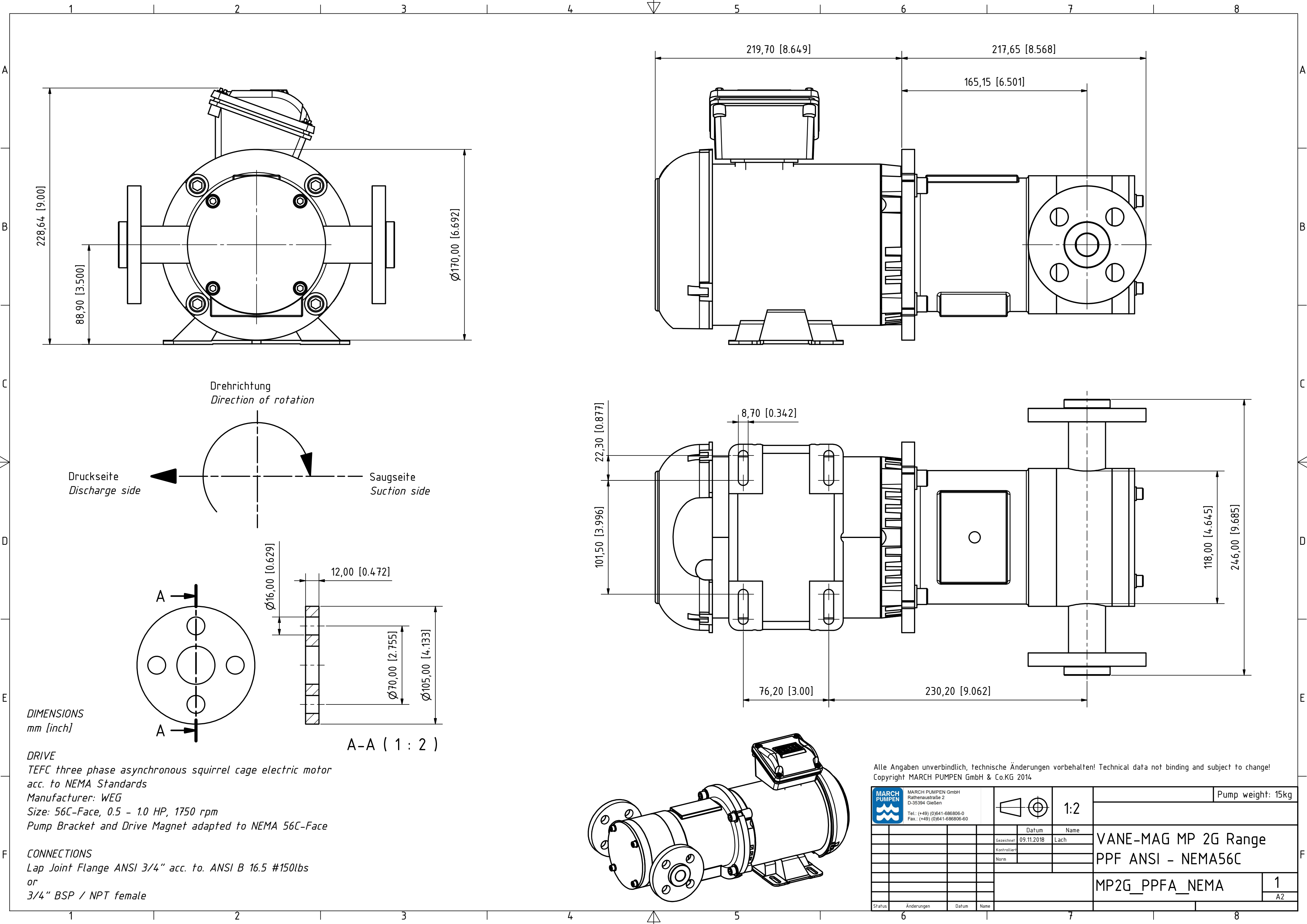
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KENNLINIEN / PERFORMANCE CURVES			
Series	VANE-MAG		
Pump Size	MP 414		
Motor Power	0,12kW	0,25kW	0,37kW / 0.5HP
Speed	750 / 900 1/min	900 / 1150 1/min	1450 / 1750 1/min
Fluid Viscosity	1 mm ² /s	Fluid Density	1 kg/dm ³



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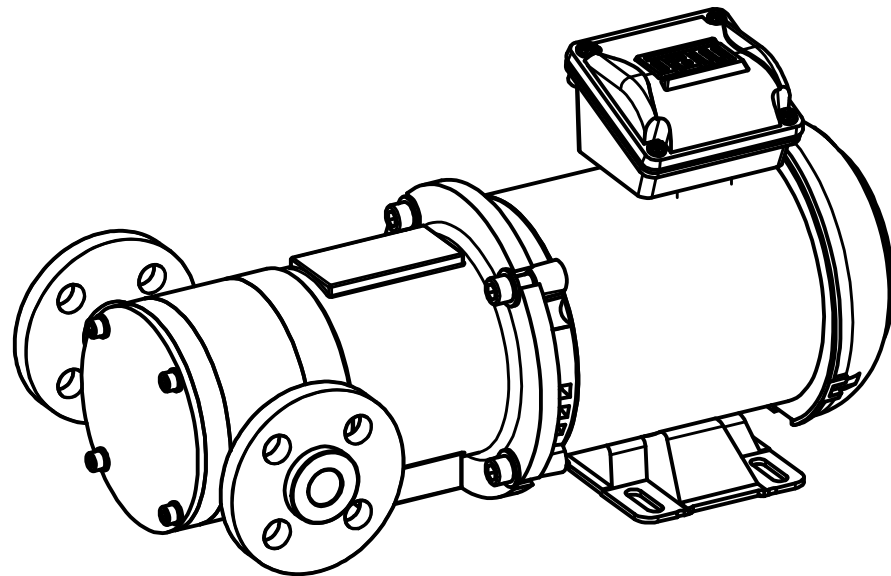
KENNLINIEN / PERFORMANCE CURVES			
Series	VANE-MAG		
Pump Size	MP 514		
Motor Power	0,12kW	0,25kW	0,37kW / 0.5HP
Speed	750 / 900 1/min	900 / 1150 1/min	1450 / 1750 1/min
Fluid Viscosity	1 mm ² /s	Fluid Density	1 kg/dm ³



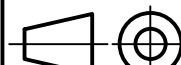
DIMENSIONS
mm [inch]

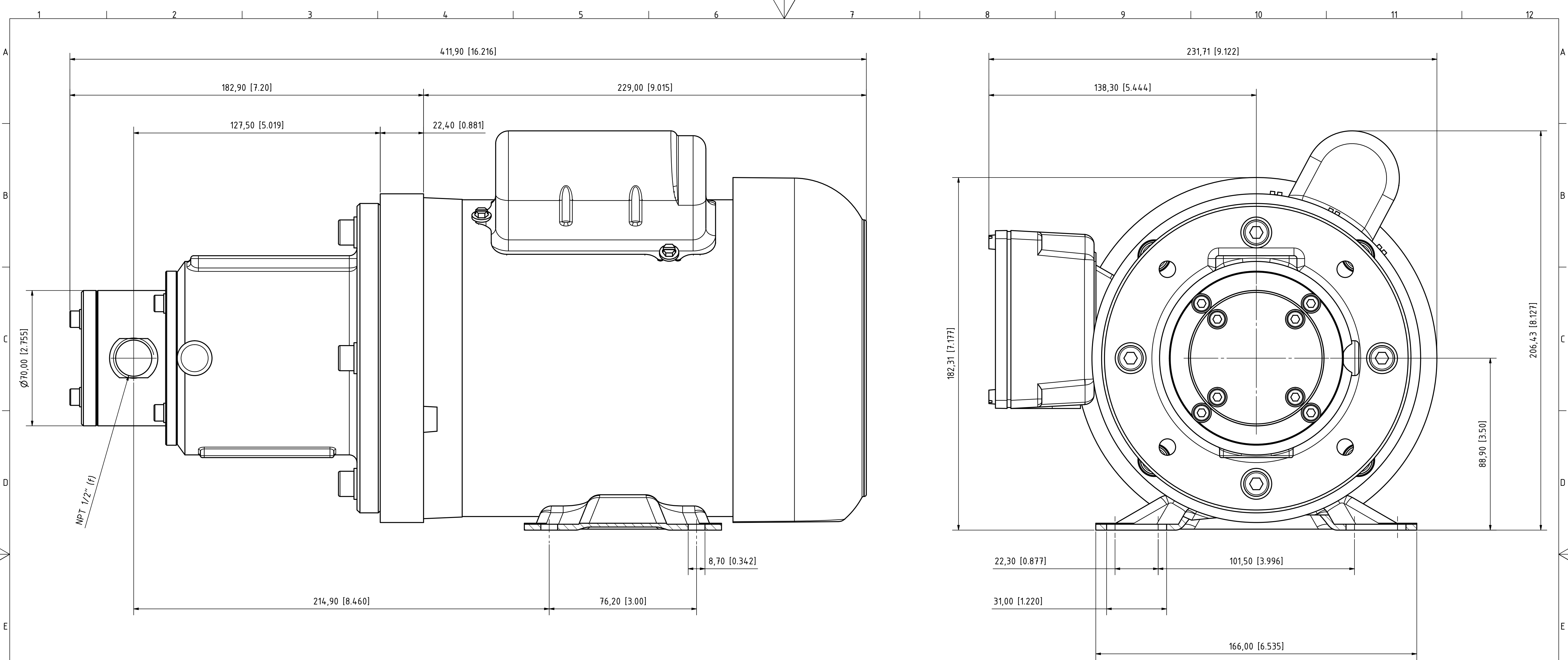
DRIVE
TEFC three phase asynchronous squirrel cage electric motor
acc. to NEMA Standards
Manufacturer: WEG
Size: 56C-Face, 0.5 - 1.0 HP, 1750 rpm
Pump Bracket and Drive Magnet adapted to NEMA 56C-Face

CONNECTIONS
Lap Joint Flange ANSI 3/4" acc. to. ANSI B 16.5 #150lbs
or
3/4" BSP / NPT female



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		MARCH PUMPEN GmbH Rathenaustraße 2 D-35394 Gießen Tel.: (+49) (0)641-686806-0 Fax.: (+49) (0)641-686806-60				1:2		Pump weight: 15kg	
					Datum	Name		VANE-MAG MP 2G Range PPF ANSI - NEMA56C MP2G_PPFA_NEMA	
					Gezeichnet	09.11.2018 Lach			
					Kontrolliert				
					Norm				
								1	
								A2	
Status	Änderungen	Datum	Name						



- ABMESSUNGEN
mm [Zoll]
* Maß kann bei anderen Motorenfabrikaten abweichen

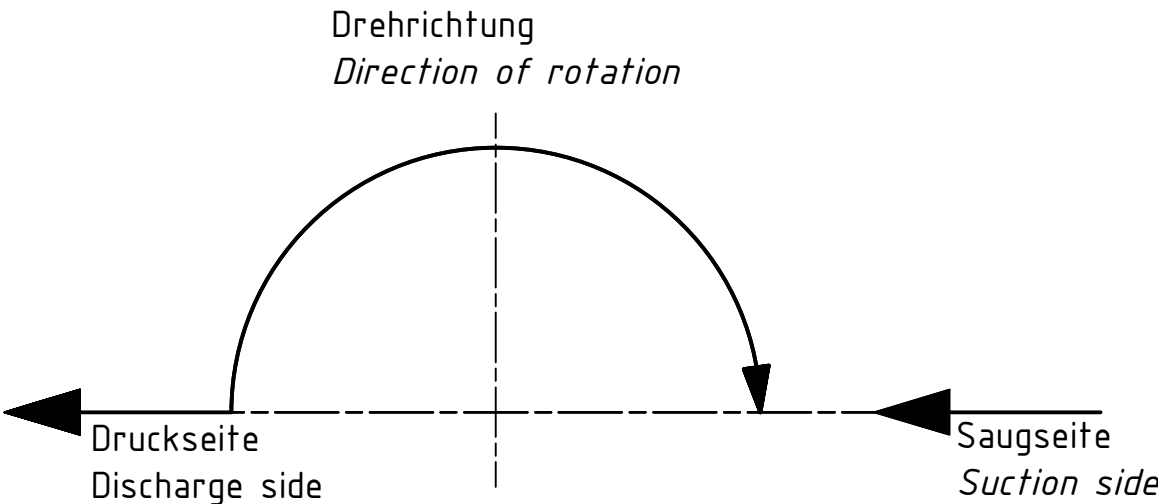
- DIMENSIONS
mm [Inch]
* may change with different motor manufacturer

- ANTRIEB
Drehstrom-Asynchronmotor nach NEMA.
Fabrikat: WEG
Größe: NEMA 56C

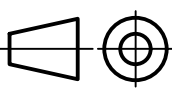
- DRIVE
Three phase TEFC electric motor acc. to NEMA Standards
Manufacturer: WEG
Size: NEMA 56C

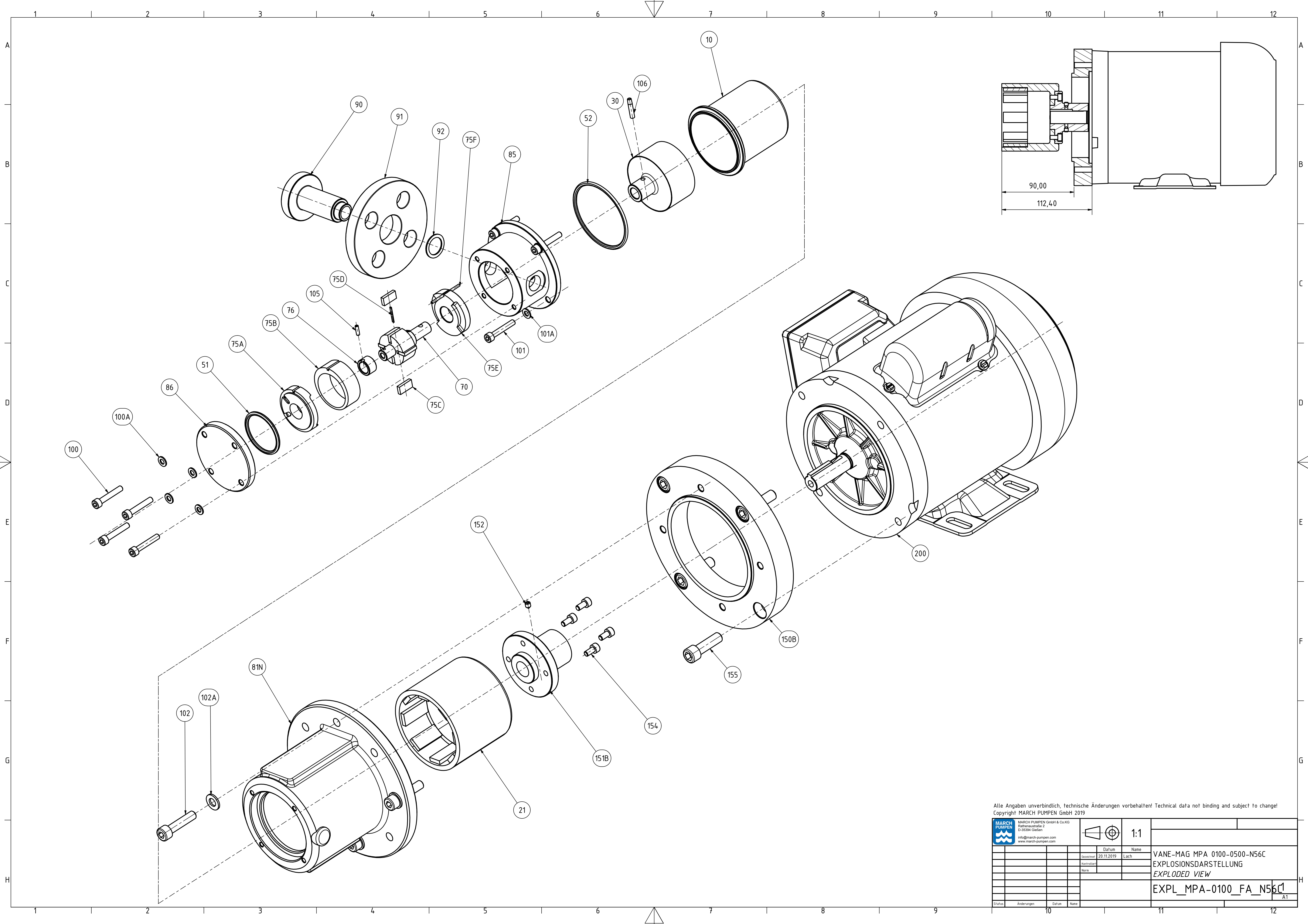
- ANSCHLÜSSE DN/d
NPT 1/2" Innengewinde

- CONNECTIONS DN/d
Threaded NPT 1/2" female

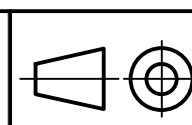


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	Datum	Name		
	Gezeichnet	09.08.2018	Lach	VANE-MAG MPA 114
	Kontrolliert			NPT 1/2" - NEMA 56C - WEG
	Notiz			
				MPA114_SSN_N56C_WEG
Status	Änderungen	Datum	Notiz	



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		Datum	Name	VANE-MAG MPA 0100-0500-N56C EXPLOSIONSDARSTELLUNG EXPLODED VIEW EXPL_MPA-0100_FA_N56C ¹	
		Gezeichnet	Lach		
		Kontrolliert			
		Norm			
Status	Änderungen	Datum	Name	A1	
10		11		12	