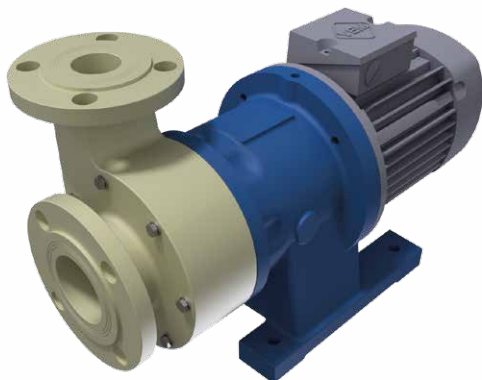


MAGNETGEKUPPELTE CHEMIEKREISELPUMPEN

Baureihe MCH

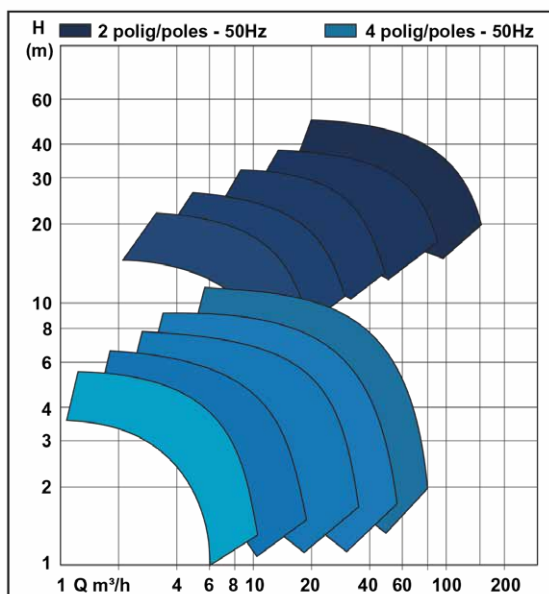
MCH 32-25 - MCH 100-80



LEISTUNGSDATEN

MCH 32-25	Q max. 11 m³/h H max. 15 m
MCH 40-32	Q max. 17,5 m³/h H max. 22 m
MCH 50-40	Q max. 30 m³/h H max. 25,5 m
MCH 65-50	Q max. 48,5 m³/h H max. 31,5 m
MCH 80-65	Q max. 90 m³/h H max. 36,5 m
MCH 100-80	Q max. 120 m³/h H max. 45 m
Systemdruck	P max. 10 bar
Temperatur	T max. PP 80°C T max. PVDF 90°C

Dichte	max. 2,0 kg/dm³
Viskosität	max. 250 cP



ANWENDUNGEN

Magnetgekuppelte Chemiekreiselpumpen der Baureihe „MCH“ werden seit vielen Jahren bewährt überall dort eingesetzt, wo aggressive Medien sicher und leckagefrei gefördert werden müssen. Zum Beispiel zur Förderung von Säuren, Laugen oder Lösungsmitteln in der:

- Chemischen Industrie
- Galvanotechnik
- Abwasseraufbereitung
- Chemikaliientanklager
- Kraftwerkstechnik
- Anlagenbau

PRODUKTBESCHREIBUNG

Magnetgekuppelte Chemiekreiselpumpen der Baureihe „MCH“ werden aus robustem Vollmaterial in Polypropylen oder aus PVDF gefertigt. Sie arbeiten völlig ohne mechanische Wellenabdichtung und sind daher leckagefrei. Die Kraftübertragung erfolgt berührungslos durch starke Permanentmagneten auf das Hydraulikteil. Als Gleitlagerwerkstoff wird ausschließlich PTFEC verwendet. Die Pumpenwelle ist standardmäßig aus hochreinem Oxidkeramik (99,7 %) gefertigt. Diese Fertigungsmerkmale gewährleisten äußerste Standzeiten und eine optimale Korrosionsbeständigkeit. Magnetgekuppelte Chemiekreiselpumpen der Baureihe „MCH“ erfüllen höchste Ansprüche an Sicherheit und Zuverlässigkeit bei der Förderung aggressivster, toxischer und umweltgefährdender Medien.

ANSCHLÜSSE

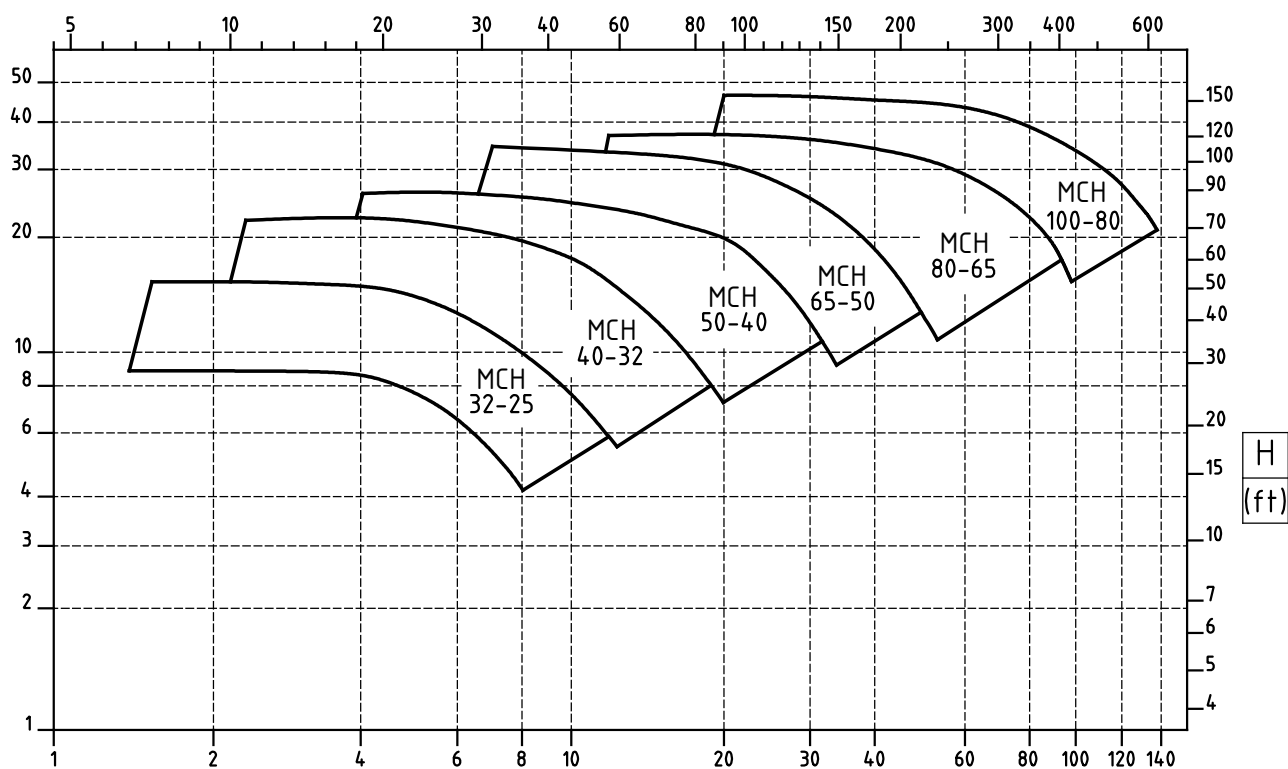
Flansche nach DIN 2501

MATERIALIEN

Gehäuse	PP, PVDF
O-Ringe	EPDM, FKM, FFKM
Gleitlager	PTFEC
Pumpenwelle	Oxidkeramik

Q (usgpm)

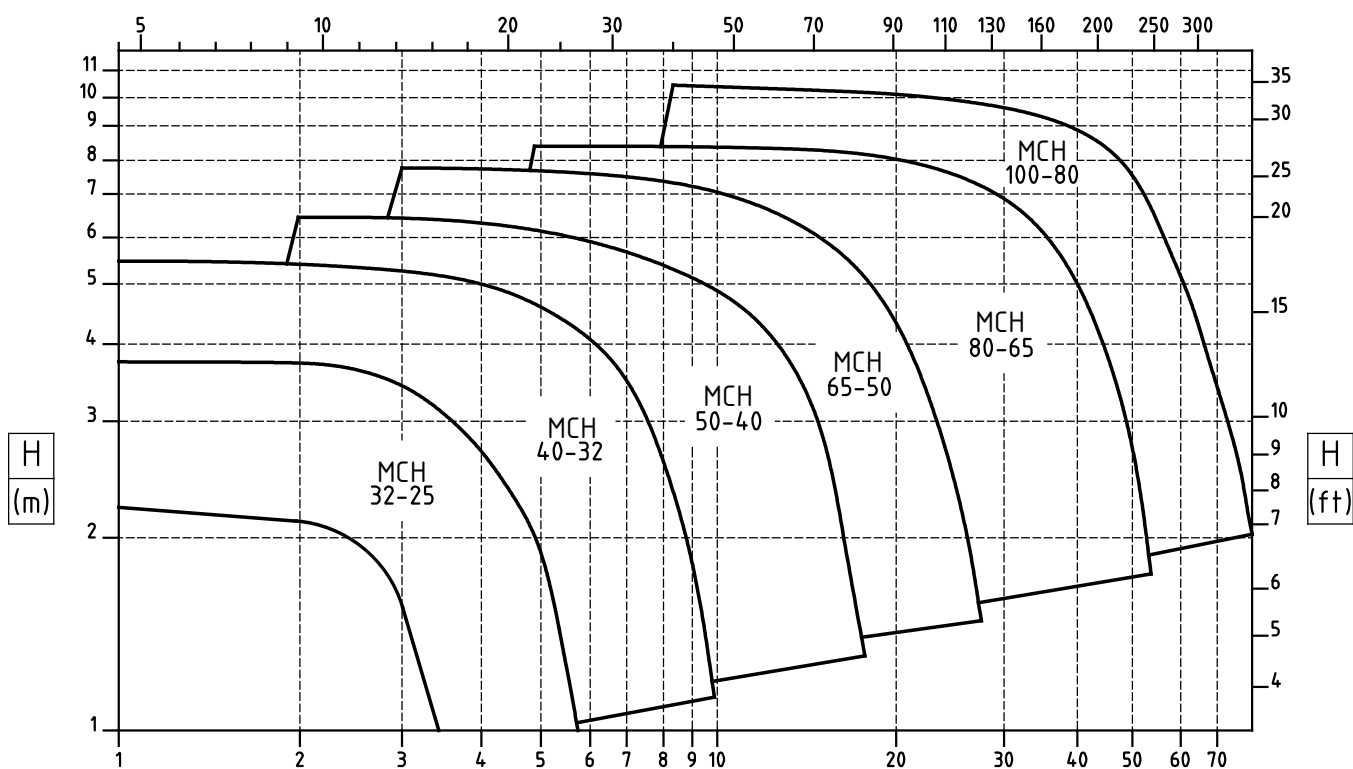
2900 RPM (50Hz)



Q (m³/h)

Q (usgpm)

1450 RPM (50Hz)



Q (m³/h)



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D-35394 Gießen
www.march-pumpen.com
info@march-pumpen.com

Baureihe / Series:

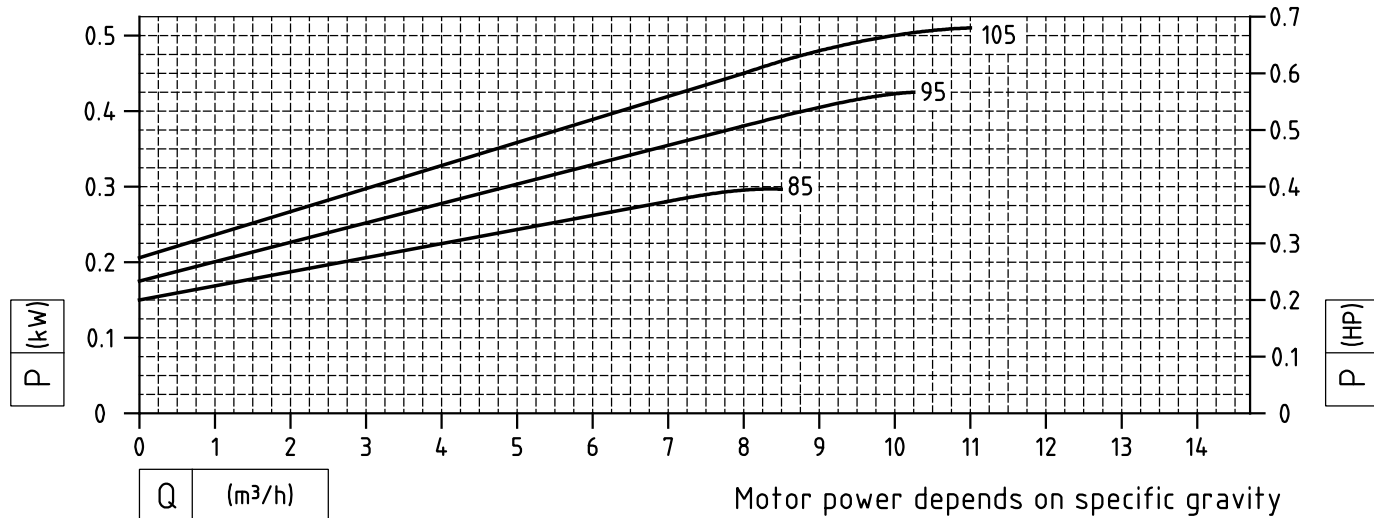
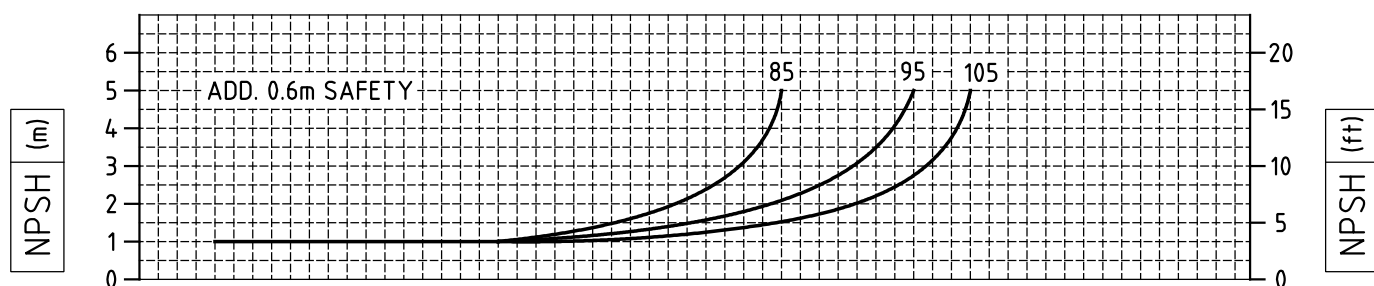
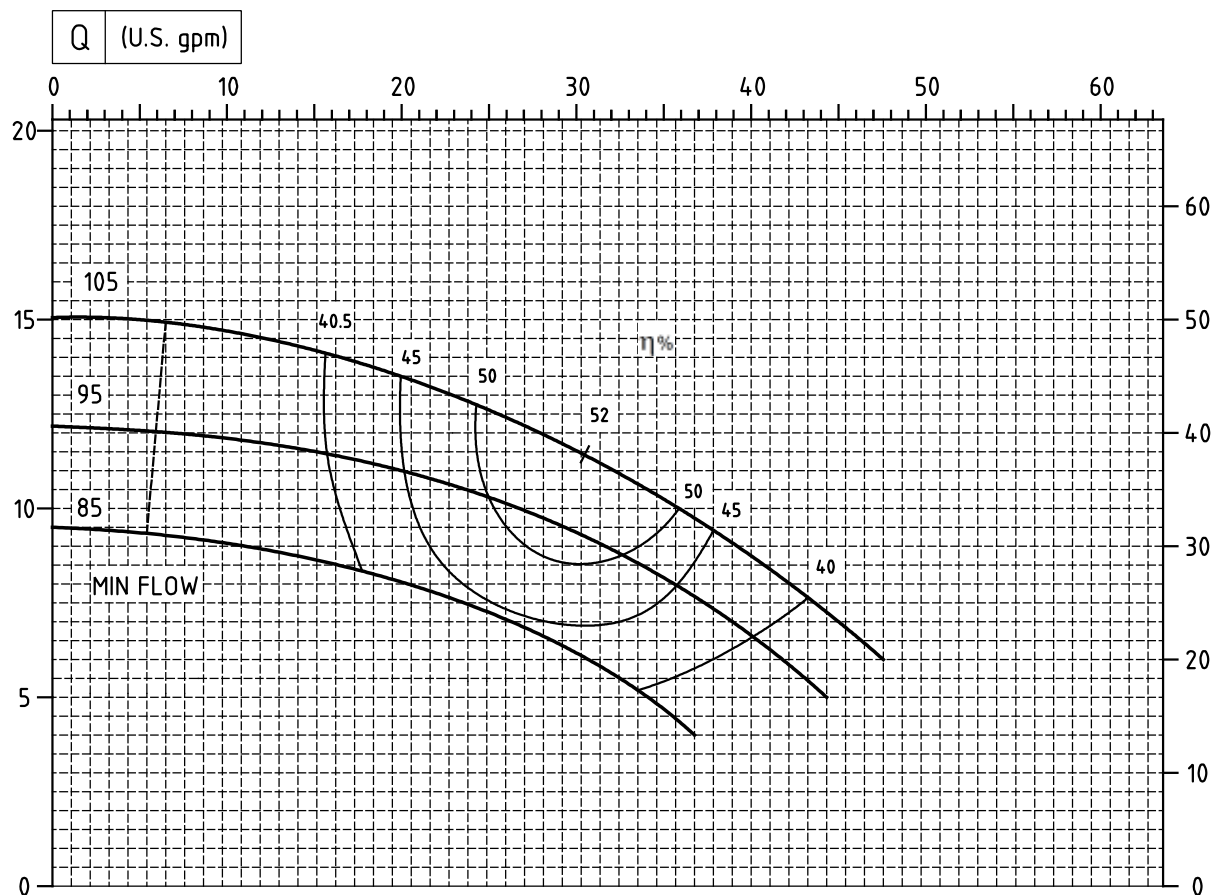
MCH

Typ / Type:

Family Curves

Motor Speed:

2900 / 1450 1/min



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Baureihe / Series:

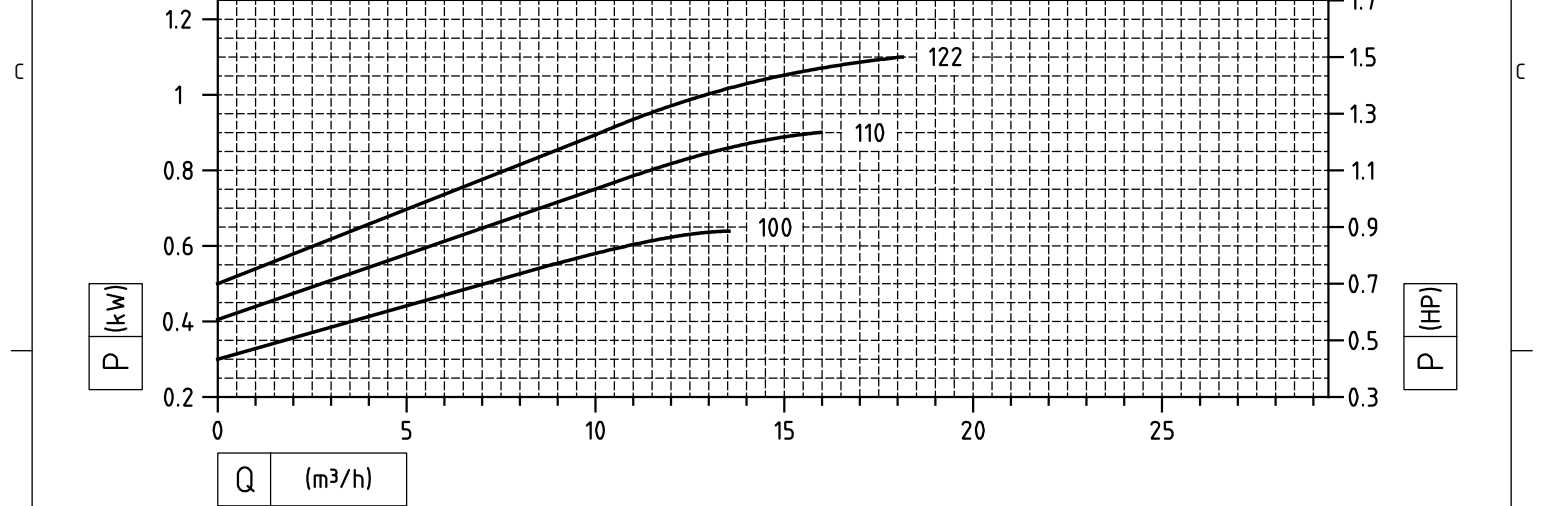
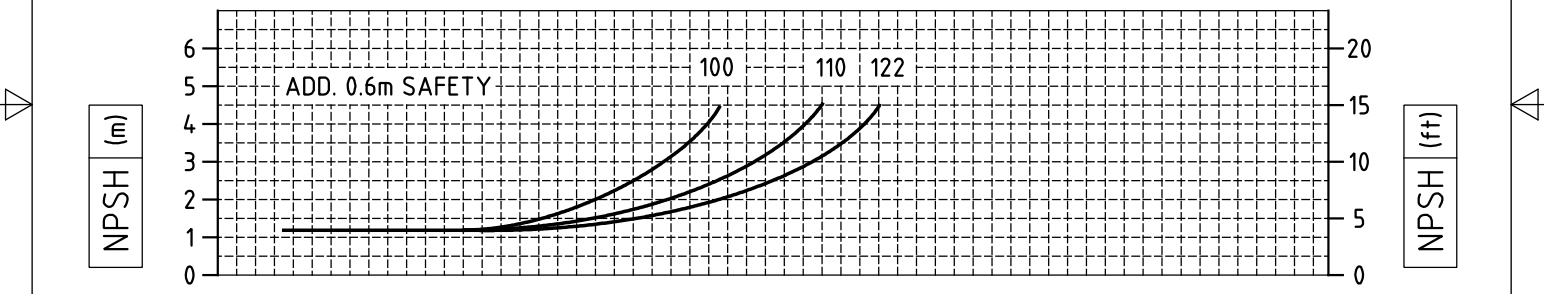
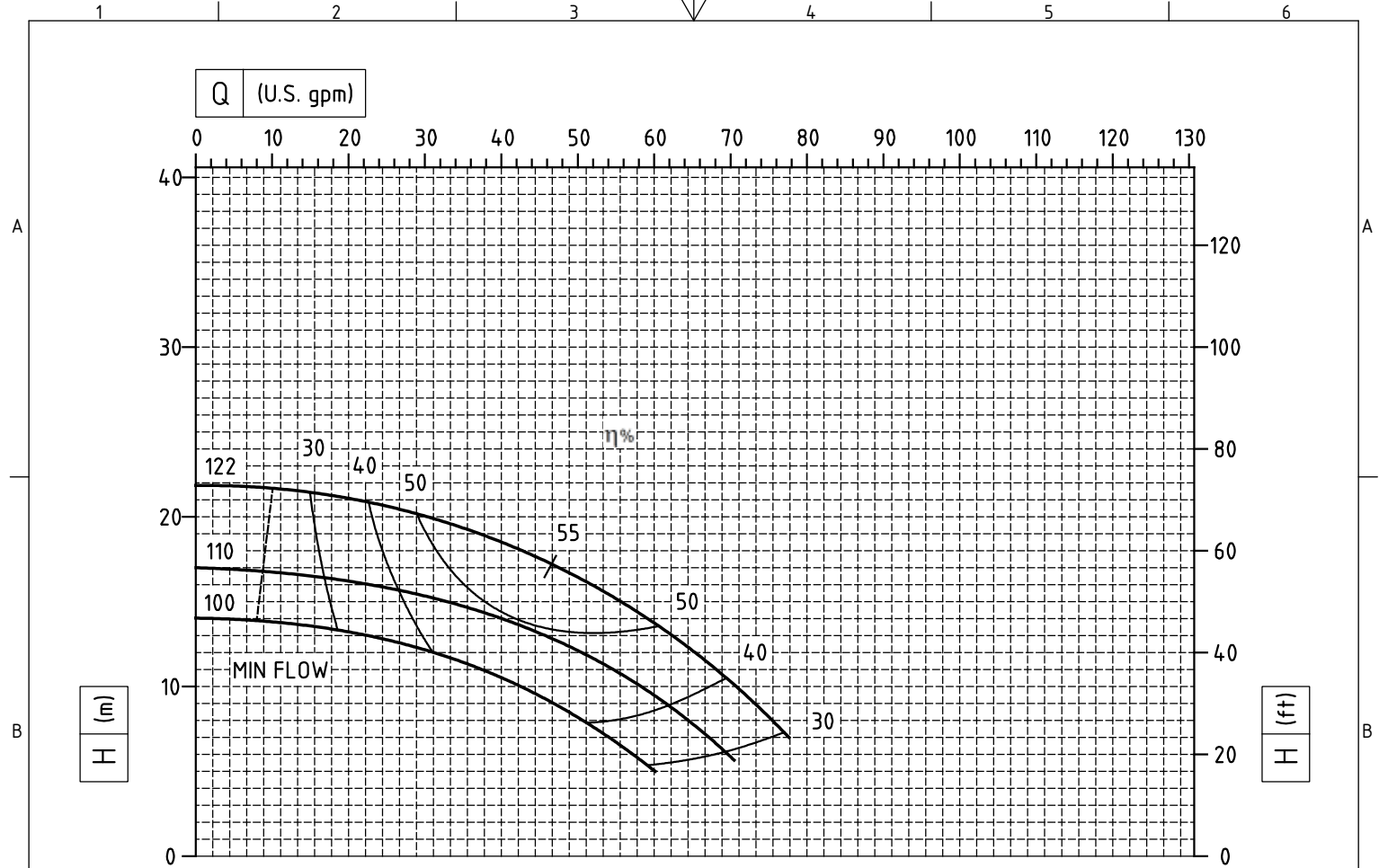
MCH

Typ / Type:

MCH 32-25

Motor Speed:

2900 1/min

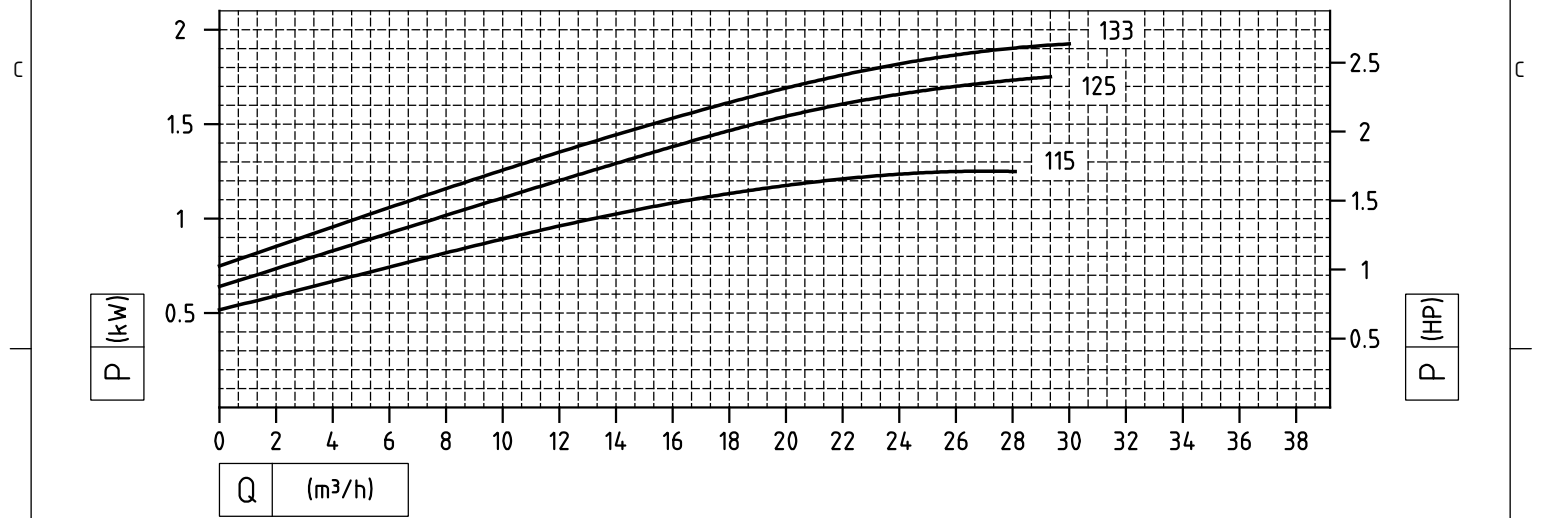
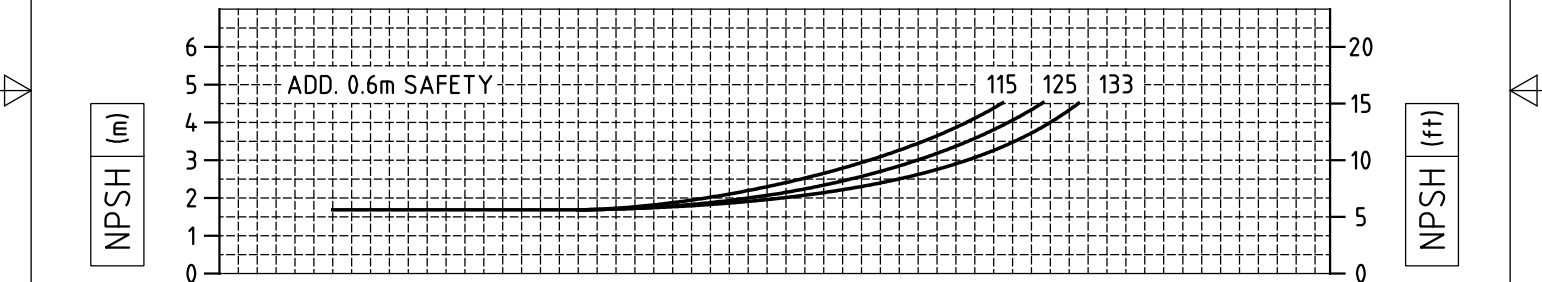
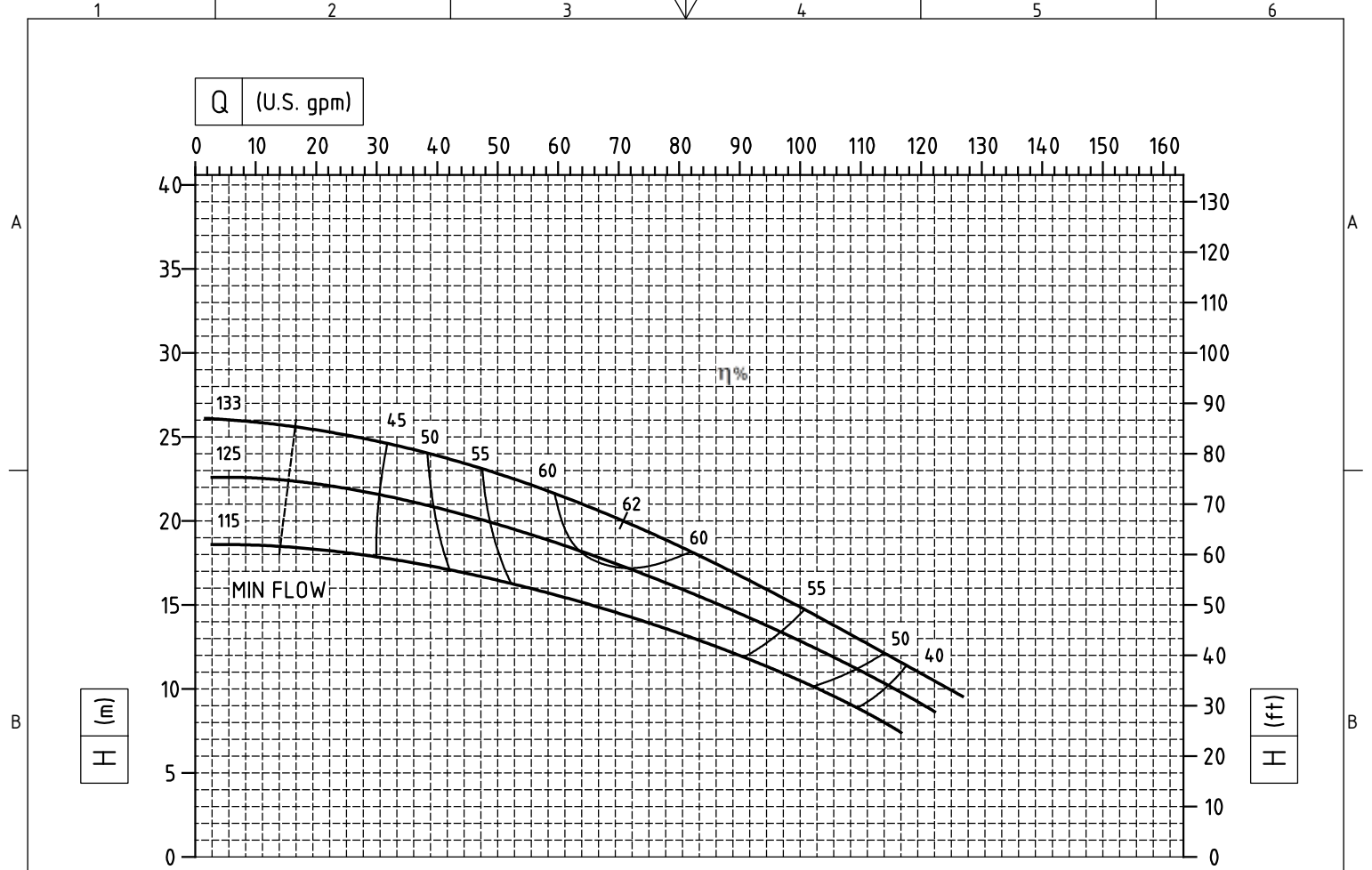


Motor power depends on specific gravity of pumped liquid.



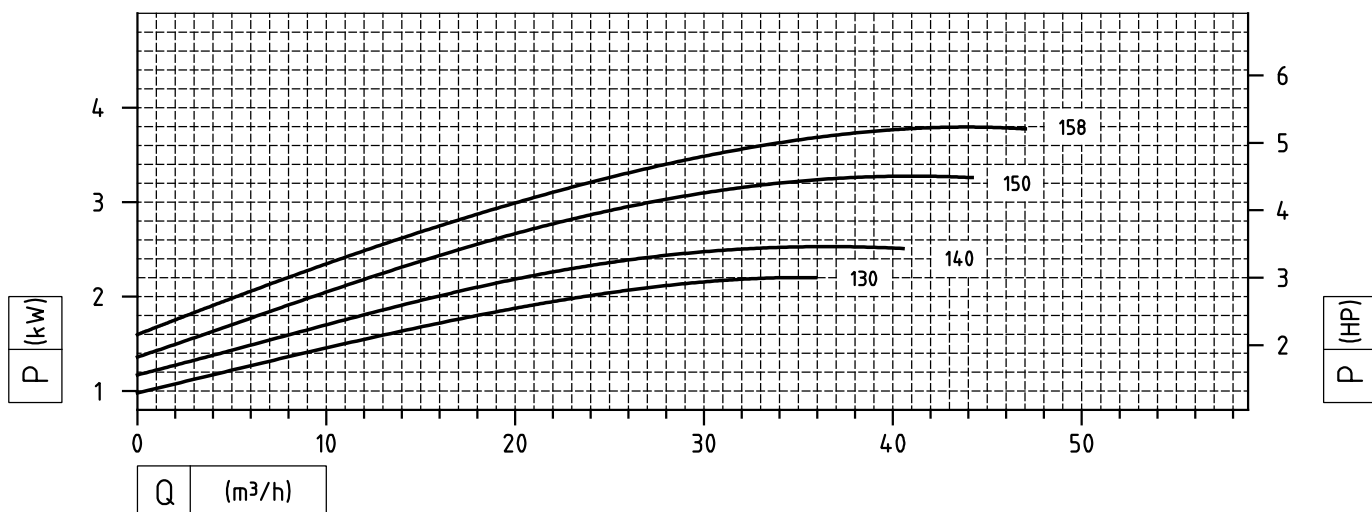
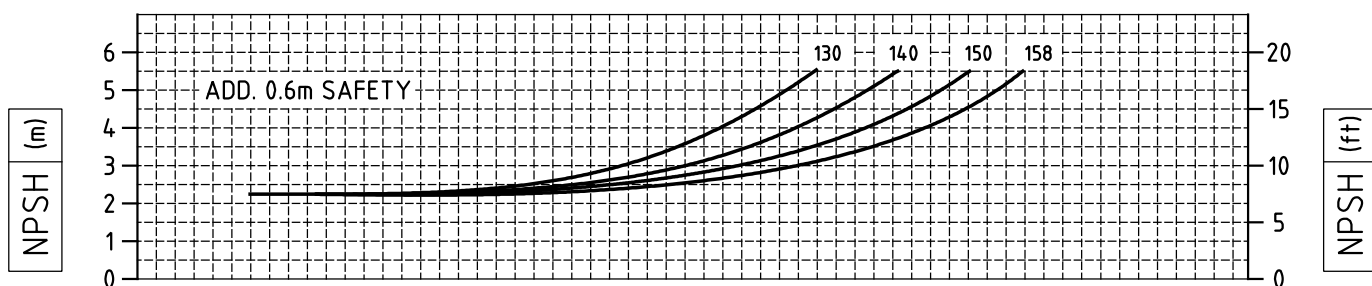
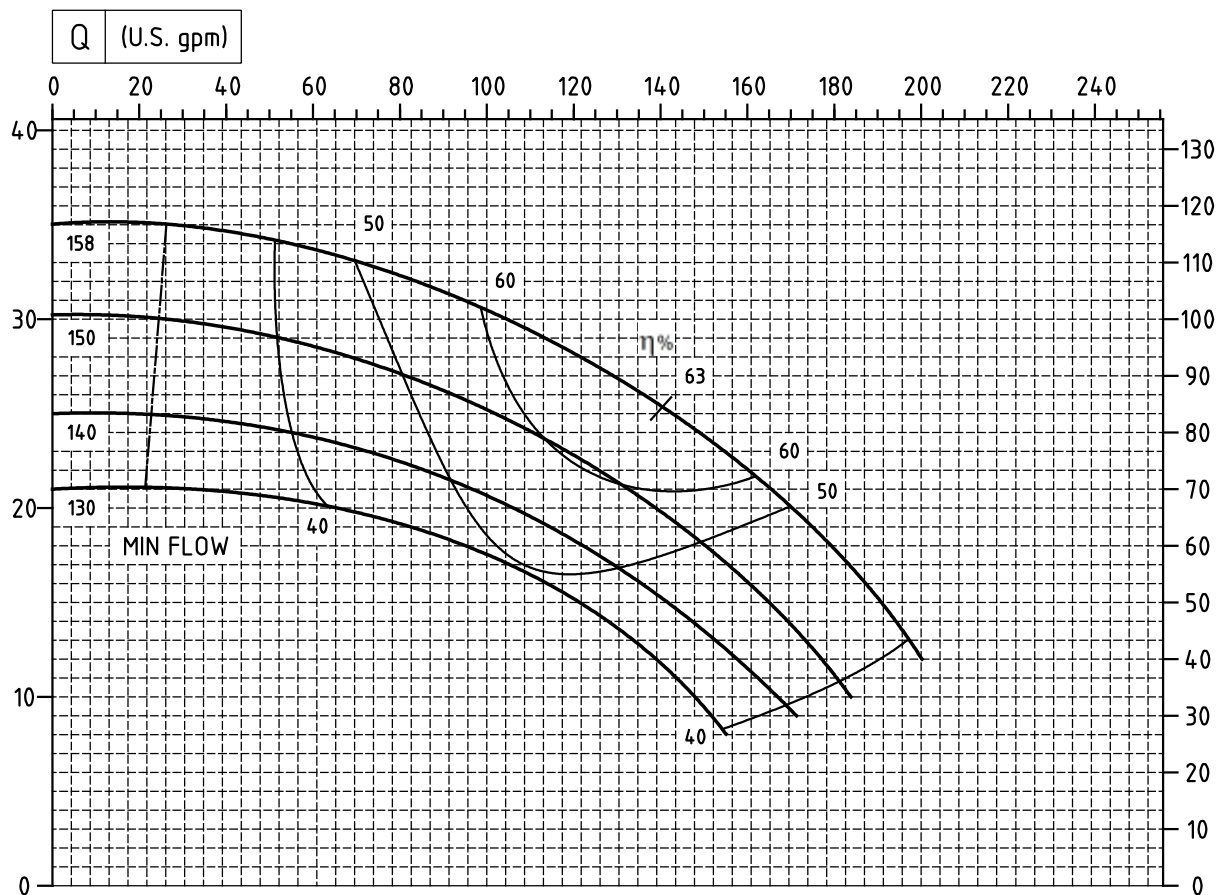
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 D-35394 Gießen
 www.march-pumpen.com
 info@march-pumpen.com

Baureihe / Series:	MCH
Typ / Type:	MCH 40-32
Motor Speed:	2900 1/min



Motor power depends on specific gravity of pumped liquid.

 MARCH PUMPEN GmbH & Co.KG Rathenaustraße 2 D-35394 Gießen www.march-pumpen.com info@march-pumpen.com	Baureihe / Series:	MCH
	Typ / Type:	MCH 50-40
	Motor Speed:	2900 1/min



Motor power depends on specific gravity of pumped liquid.



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info@march-pumpen.com

Baureihe / Series:

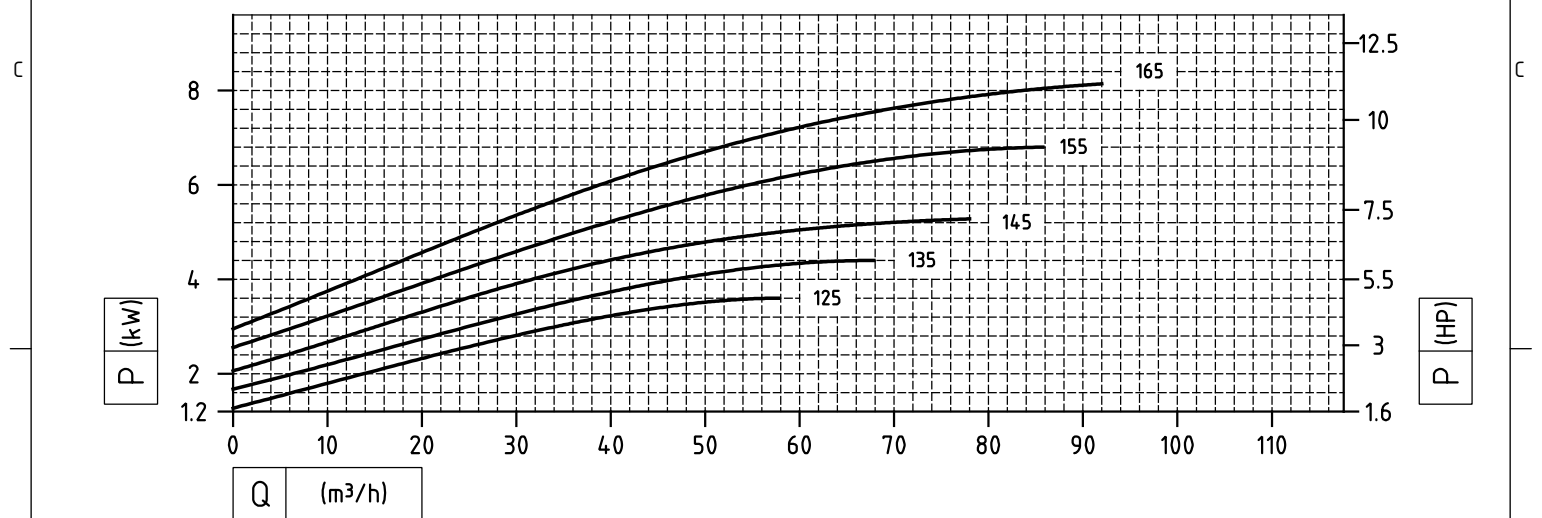
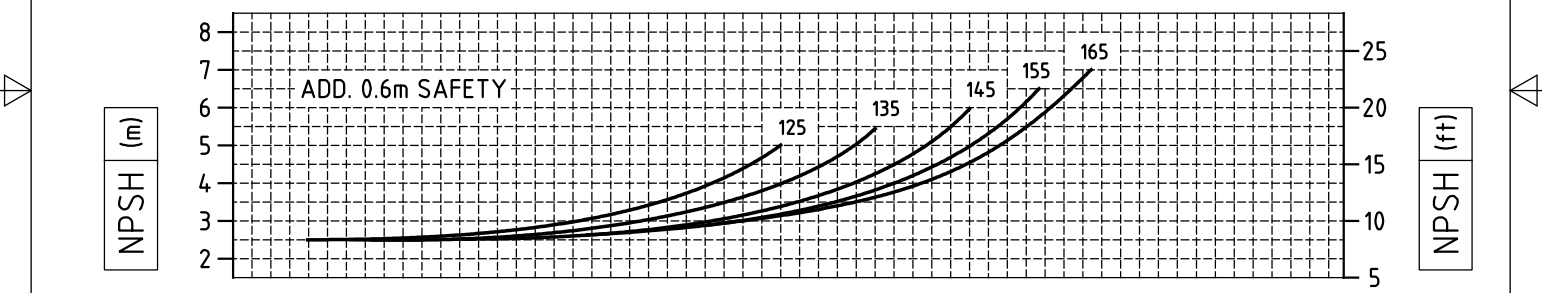
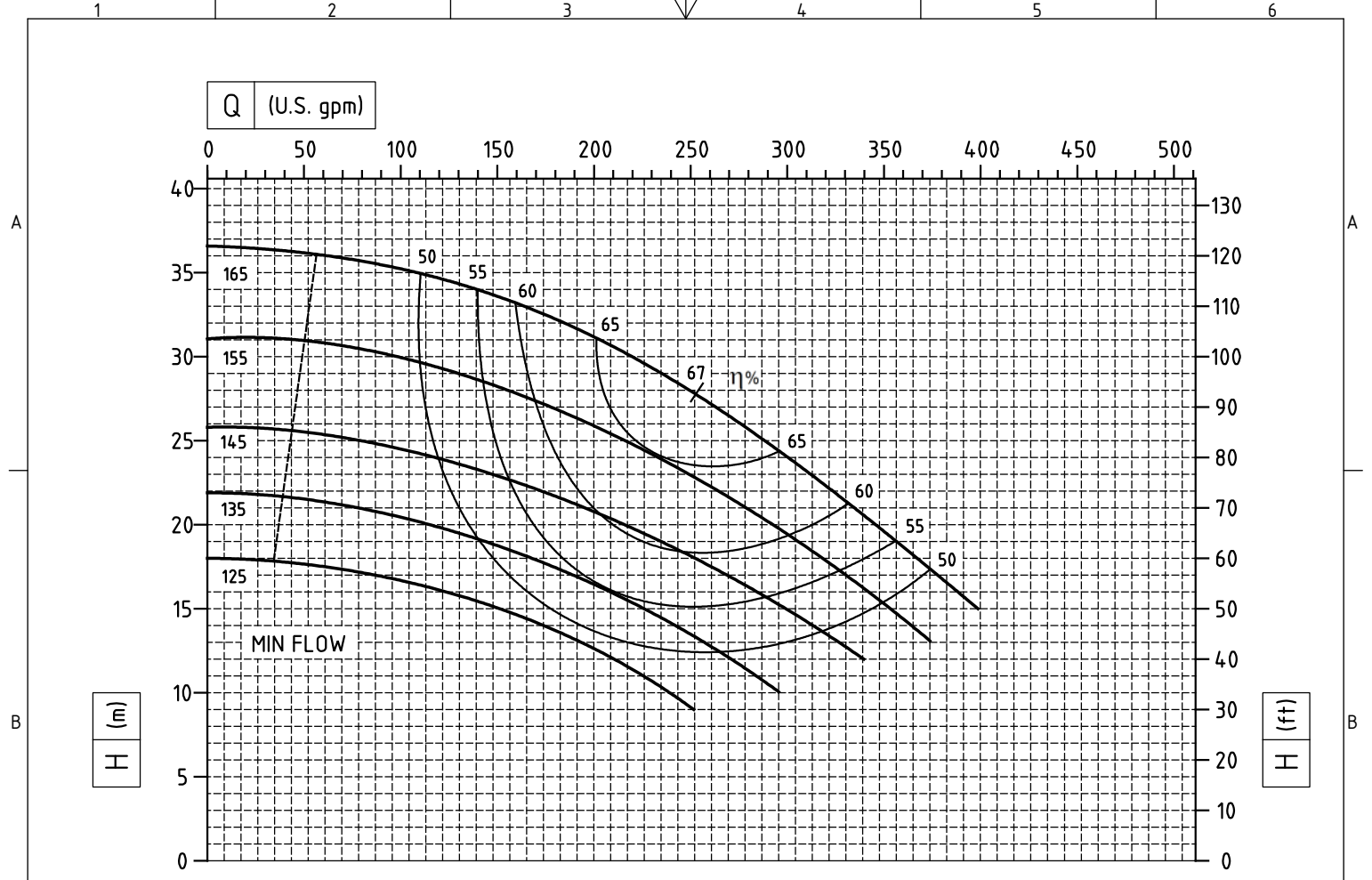
MCH

Typ / Type:

MCH 65-50

Motor Speed:

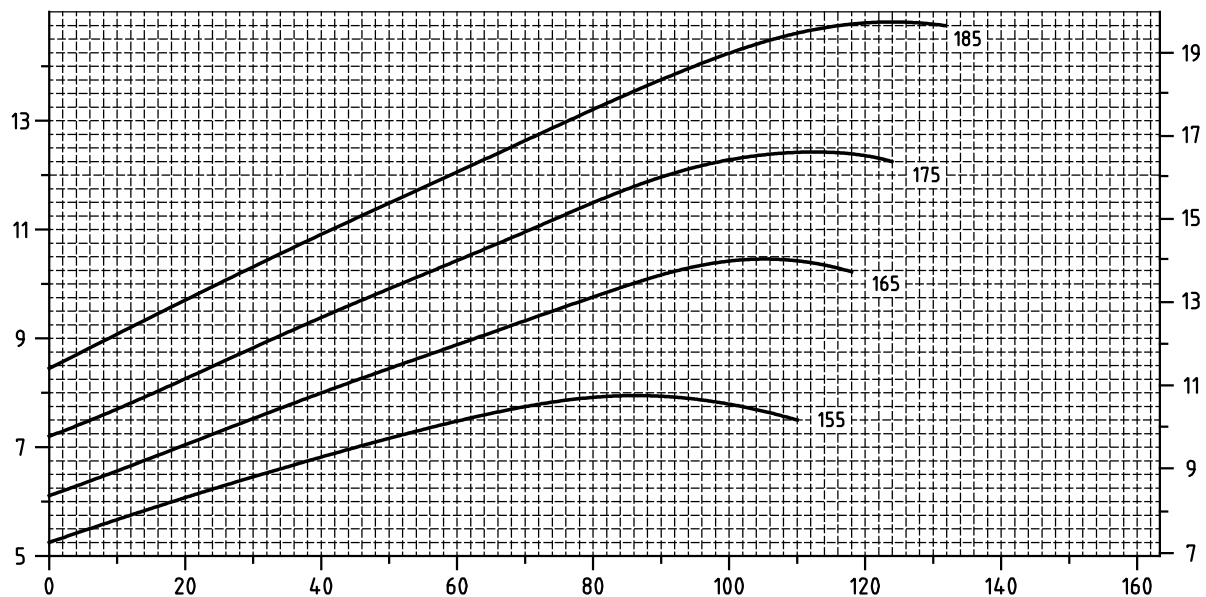
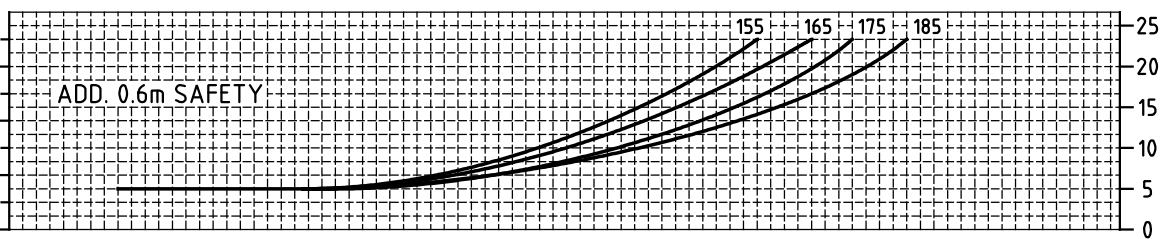
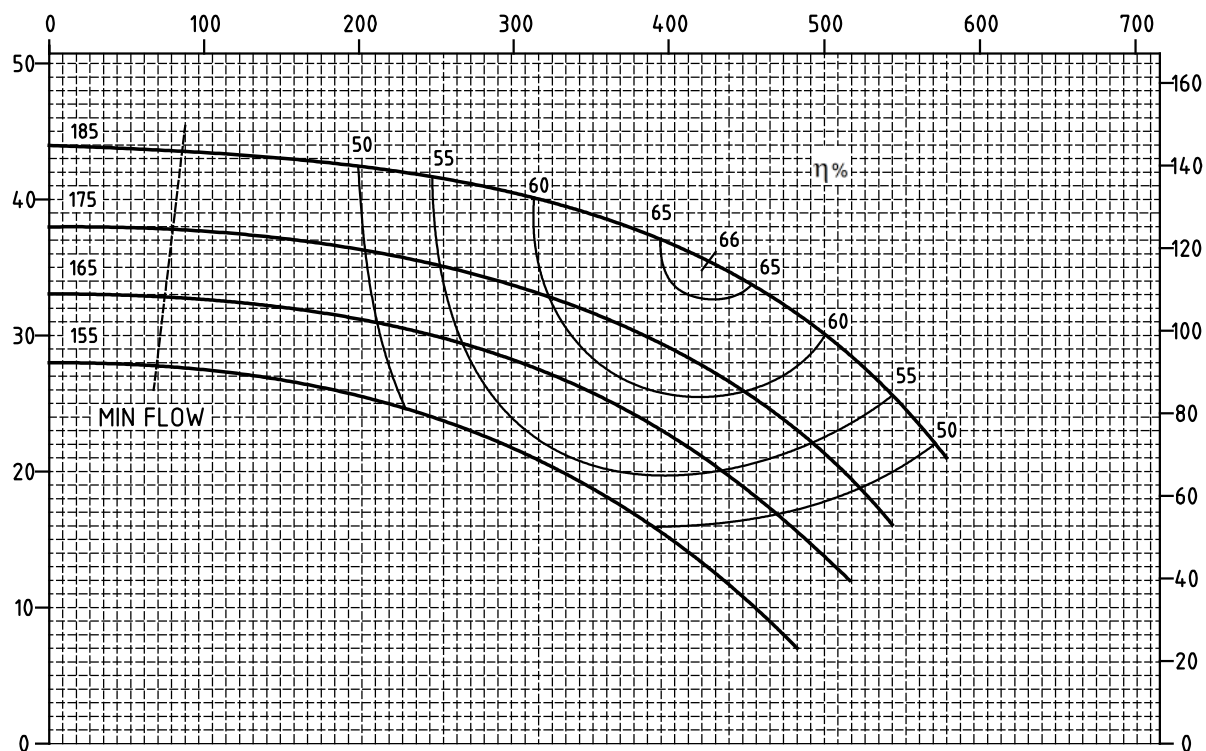
2900 1/min



Motor power depends on specific gravity
of pumped liquid.

 MARCH PUMPEN GmbH & Co.KG Rathenaustraße 2 D-35394 Gießen www.march-pumpen.com info@march-pumpen.com	Baureihe / Series:	MCH
	Typ / Type:	MCH 80-65
	Motor:	2900 1/min

Q (U.S. gpm)



Q (m³/h)



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Baureihe / Series:

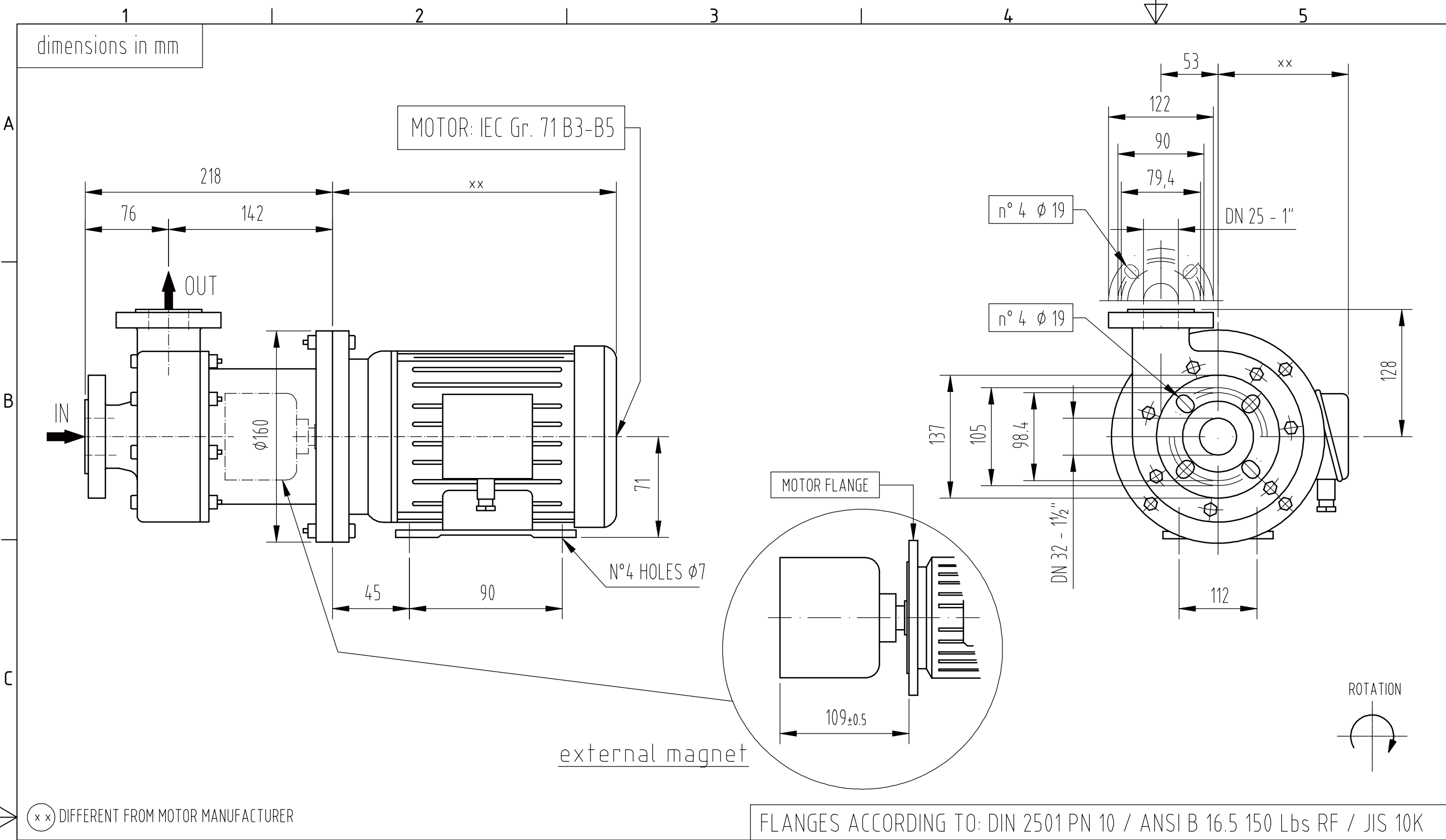
MCH

Typ / Type:

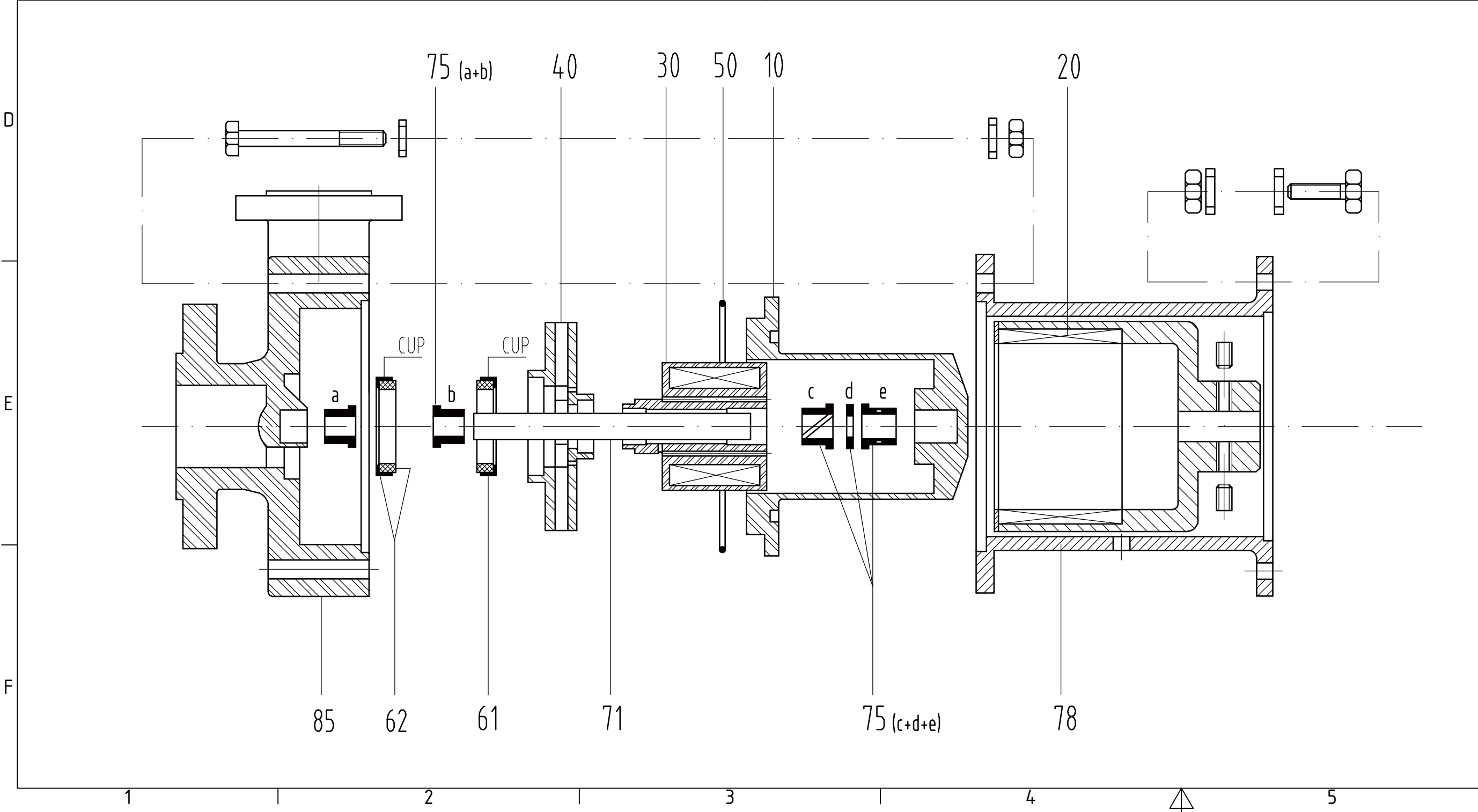
MCH 100-80 250

Motor:

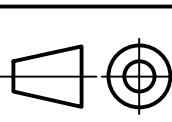
2900 1/min

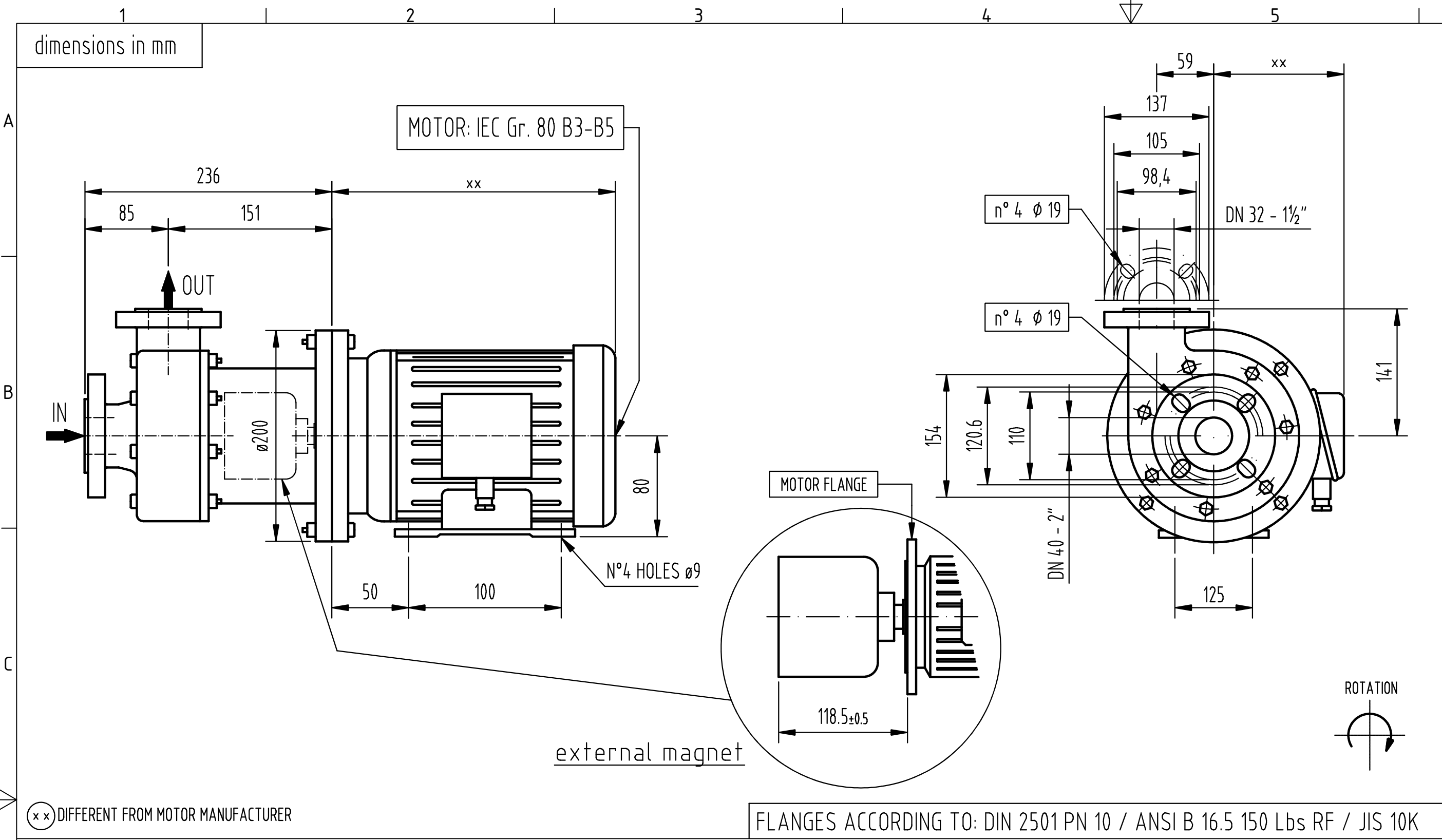


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	CoSm/ Carbon Steel	
30	Int. Magnet	PP/CoSm	
40	Impeller	PP	
50	O-Ring 4462 (247)	EPDM	
61	Imp. Front Thr. Brg + Cup	PTFEC	
62	Casing Thrust Brg + Cup	Ceramic	
71	Shaft	Ceramic	
75	Bearings	PTFEC	
78	Bracket (160-110-14)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+61+71+75)	/	
90	Wet End (10+30+40+50+61+62+71+75+85)	/	

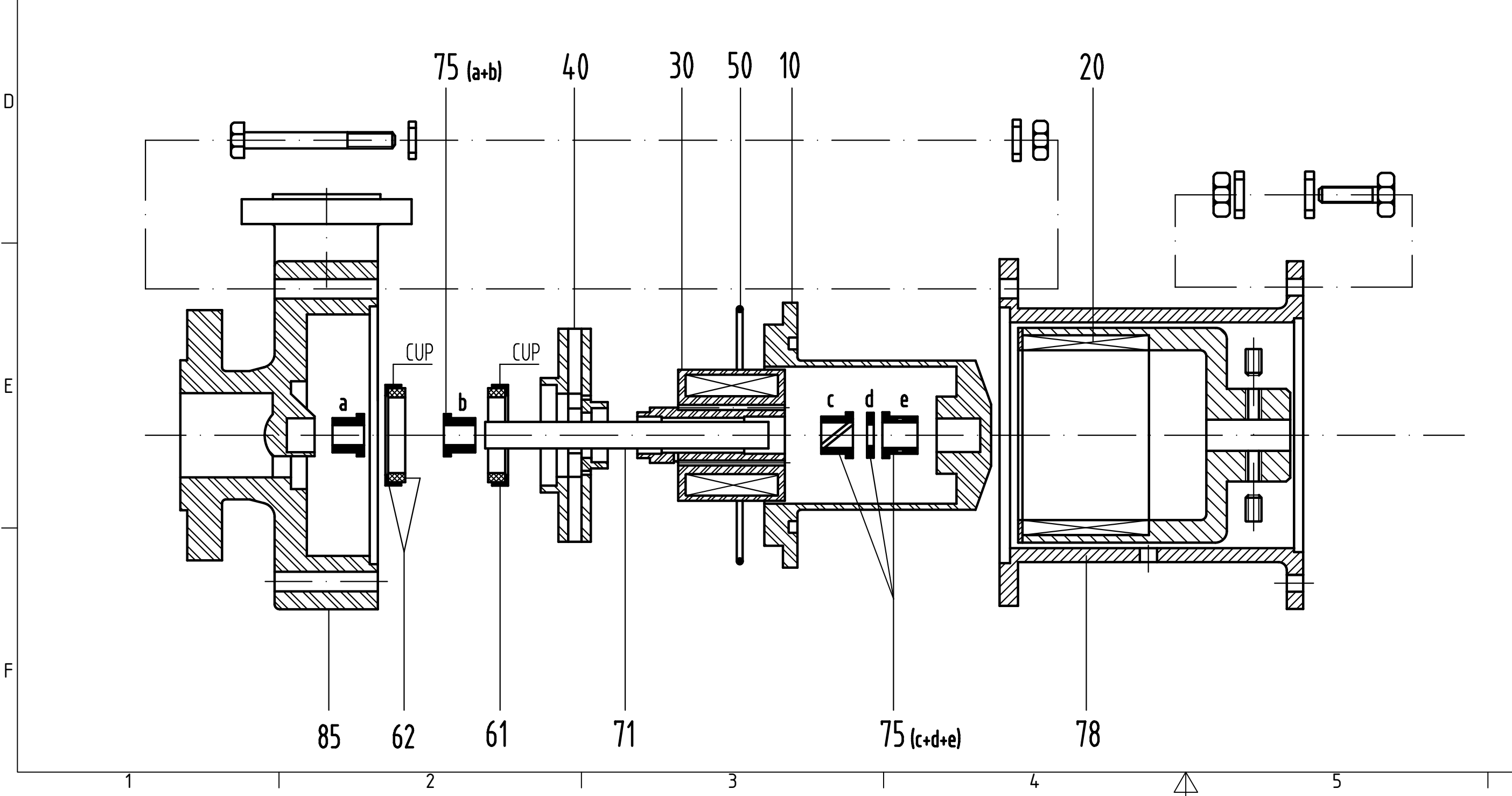


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					Datum	Name	Series MCH MCH 32-25 PP					
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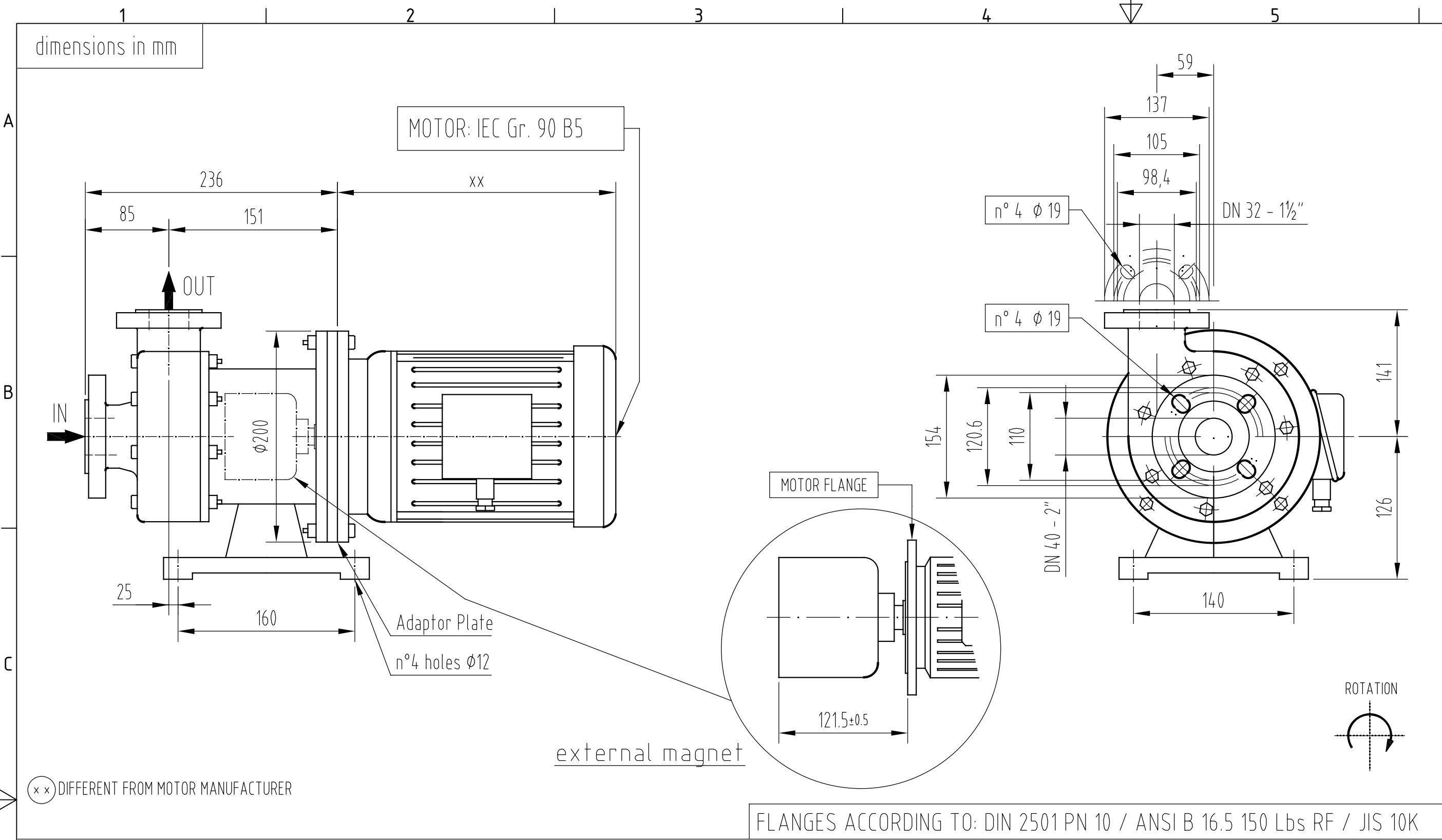


6		7	8	
REF	DESCRIPTION	MATERIAL	CODE	
10	Containment shell	PP	A	
20	Ext. Magnet	CoSm/ Carbon Steel		
30	Int. Magnet	PP/CoSm		
40	Impeller	PP		
50	O-Ring 4525 (252)	EPDM	B	
61	Imp. Front Thr. Brg + Cup	PTFEC		
62	Casing Thrust Brg + Cup	Ceramic		
71	Shaft	Ceramic		
75	Bearings	PTFEC	C	
78	Bracket (200-130-19)	Cast Iron		
85	Pump Casing	PP		
88	Rear Wet End (10+30+40+50+61+71+75)	/		
90	Wet End (10+30+40+50+61+62+71+75+85)	/		

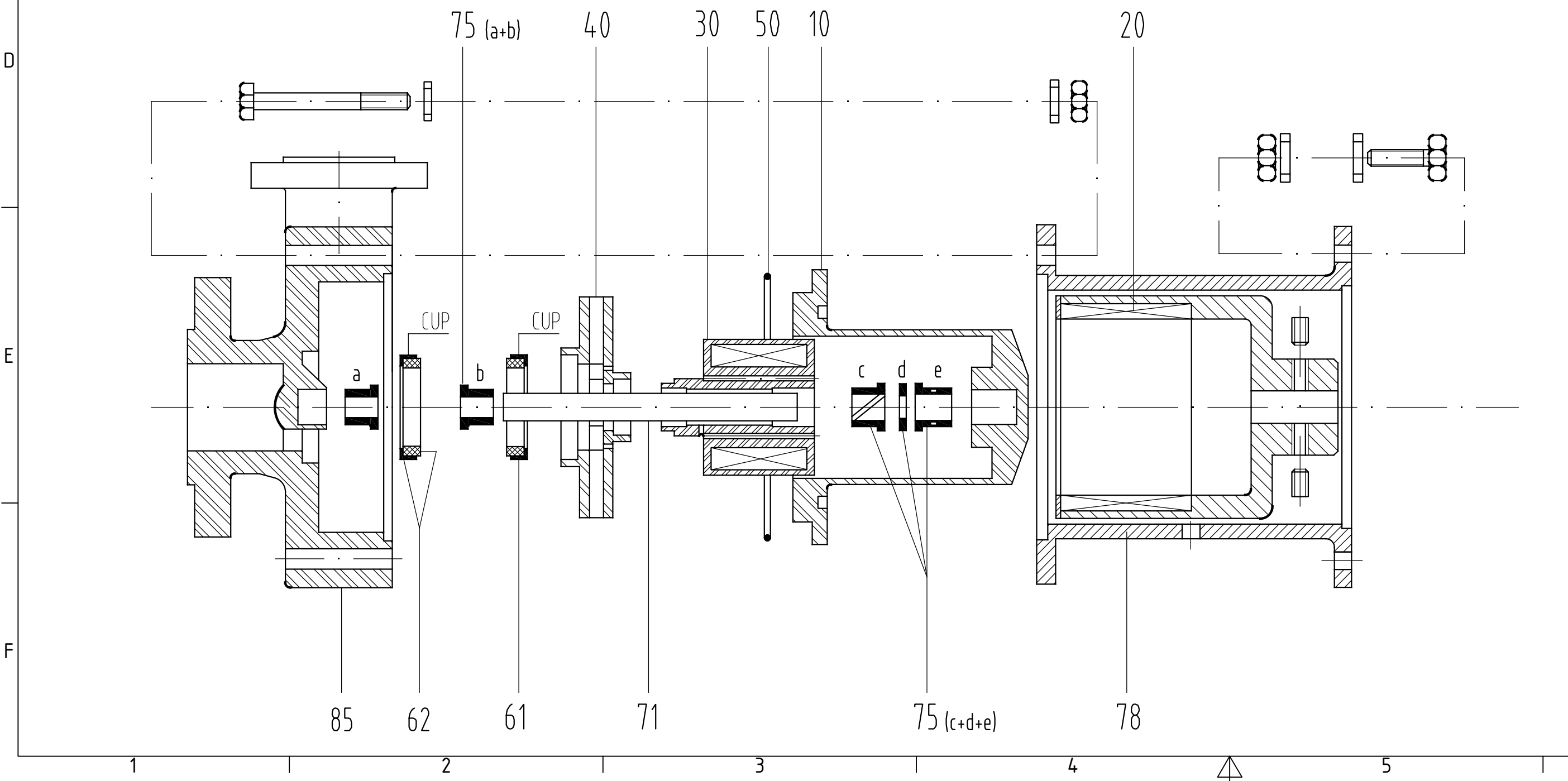


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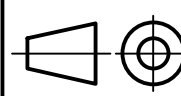
MARCH PUMPEN		MARCH PUMPEN GmbH & Co.KG Räthelstraße 2 D-35394 Gießen info@march-pumpen.com www.march-pumpen.com				Allgemeintoleranzen nach DIN ISO 2768-m Alle Kanten gratfrei	
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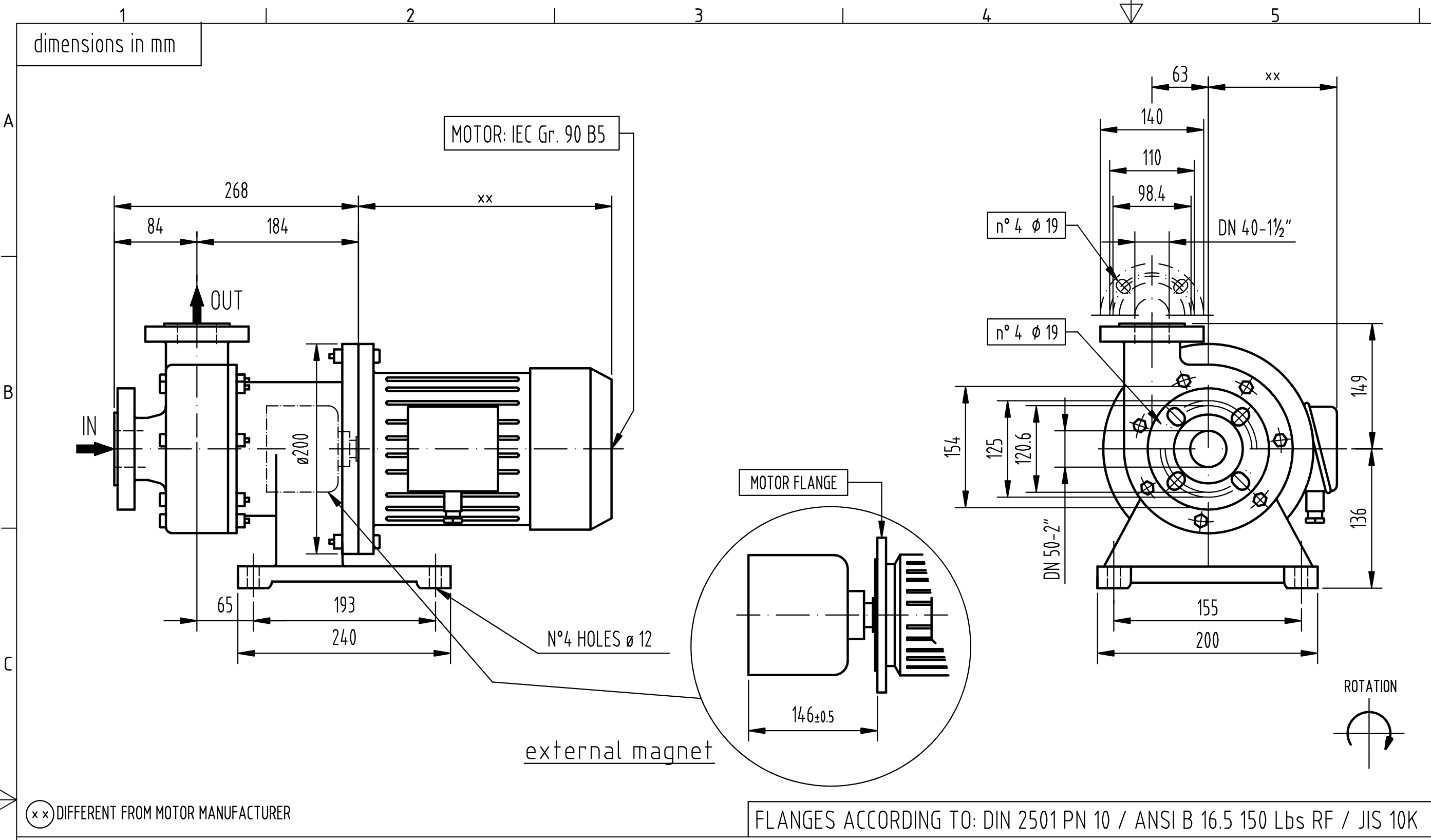


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	CoSm/ Carbon Steel	
30	Int. Magnet	PP/CoSm	
40	Impeller	PP	
50	O-Ring 4525 (252)	EPDM	
61	Imp. Front Thr. Brg + Cup	PTFEC	
62	Casing Thrust Brg + Cup	SIC	
71	Shaft	SIC	
75	Bearings	PTFEC	
78	Bracket + Foot + Adaptor Plate (200-130-24)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+61+71+75)	/	
90	Wet End (10+30+40+50+61+62+71+75+85)	/	

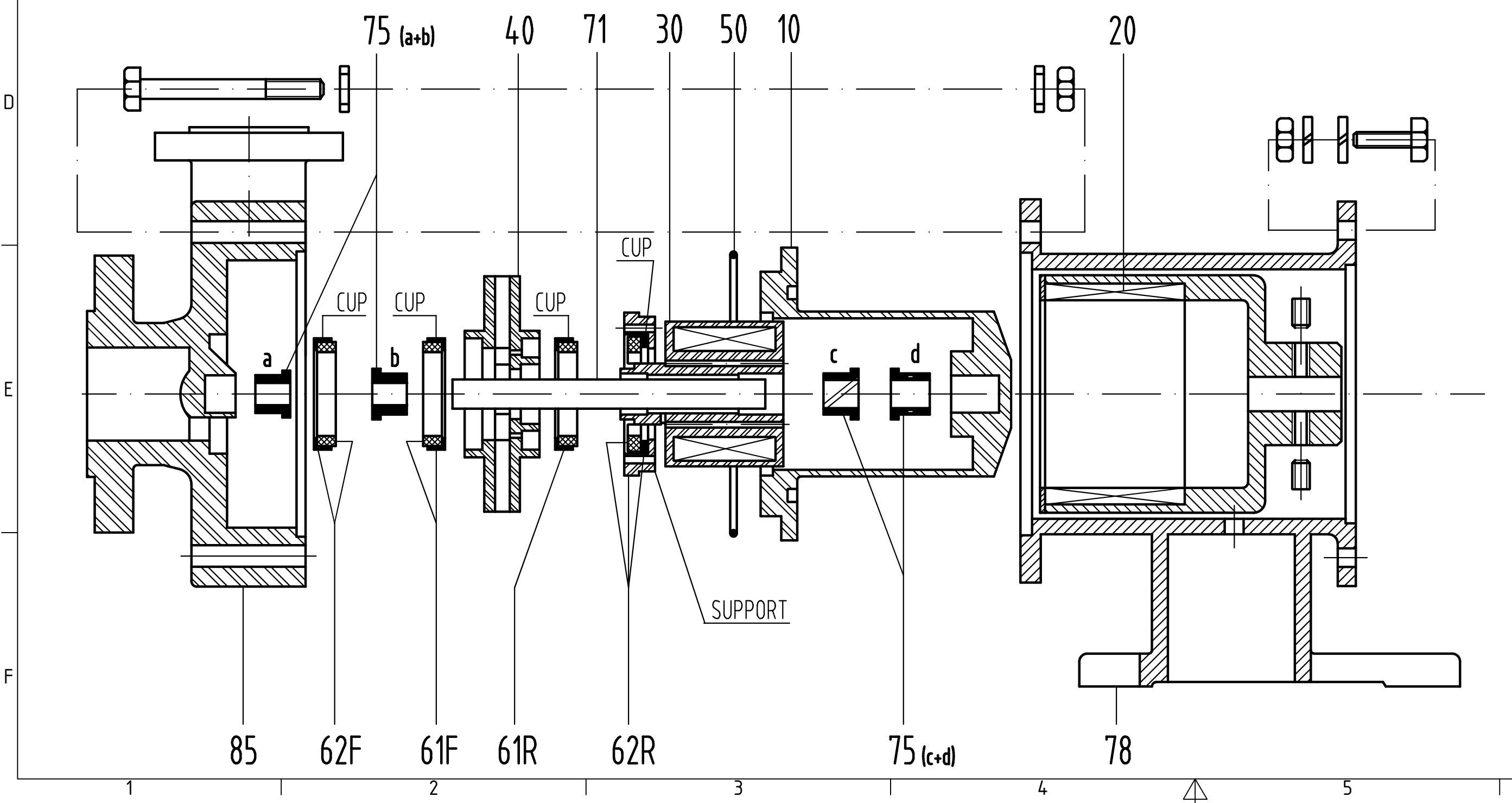


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				Datum		Name	
				Gezeichnet		Lach	
				Kontrolliert			
				Norm			
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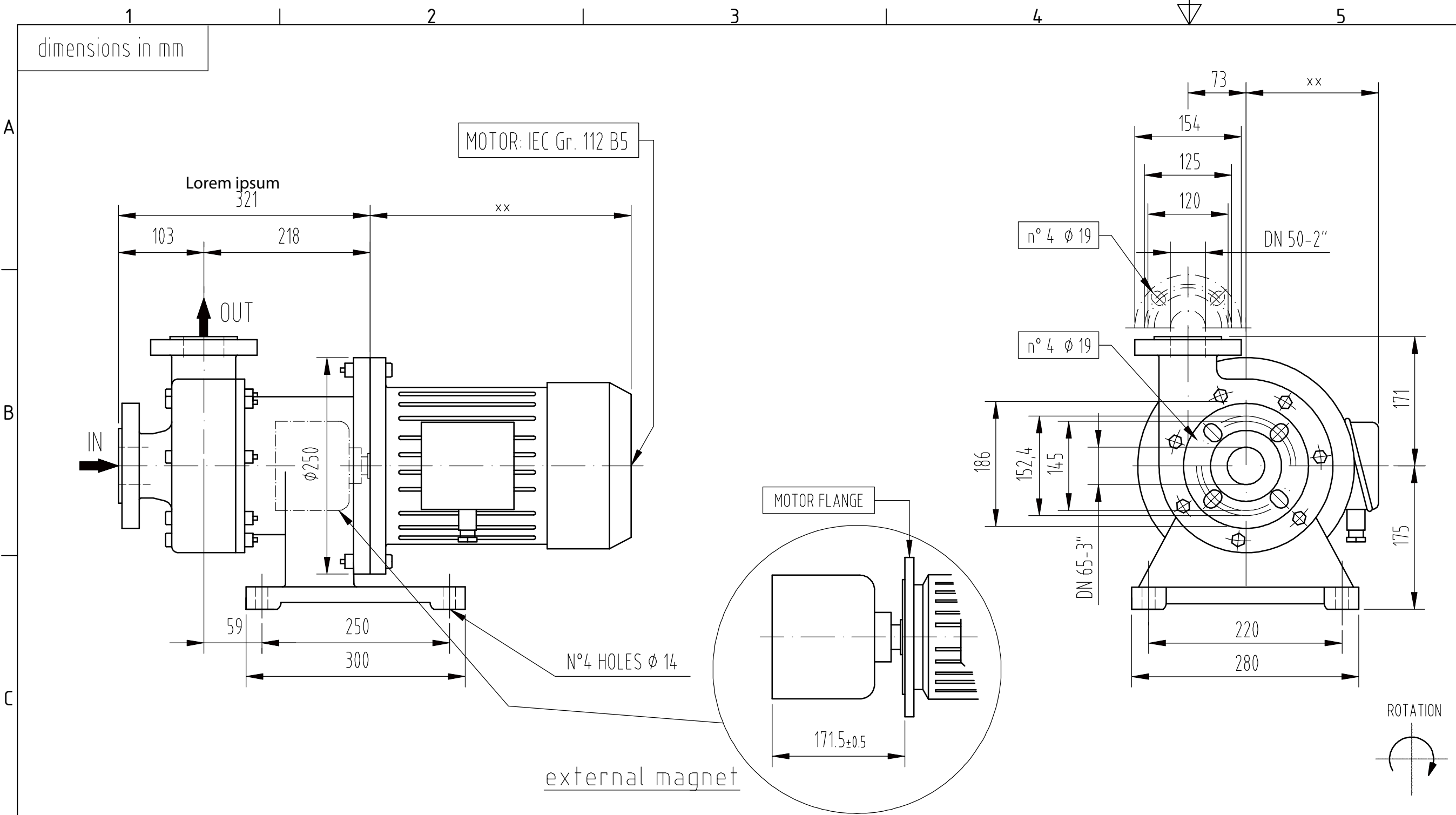


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	CoSm/ Carbon Steel	
30	Int. Magnet	PP/CoSm	
40	Impeller	PP	
50	O-Ring 4575 (256)	EPDM	
61F	Imp. Front Thr. Brg + Cup	SIC	
61R	Imp. Rear Thr. Brg + Cup	SIC	
62F	Casing Thrust Brg + Cup	SIC	
62R	Rear Thrust Brg+Cup+Support	SIC	
71	Shaft	SIC	
75	Bearings	SIC	
78	Bracket (200-130-24)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+61F+61R+62R+71+75)	/	
90	Wet End (10+30+40+50+61F+61R+62F+62R+71+75+85)	/	



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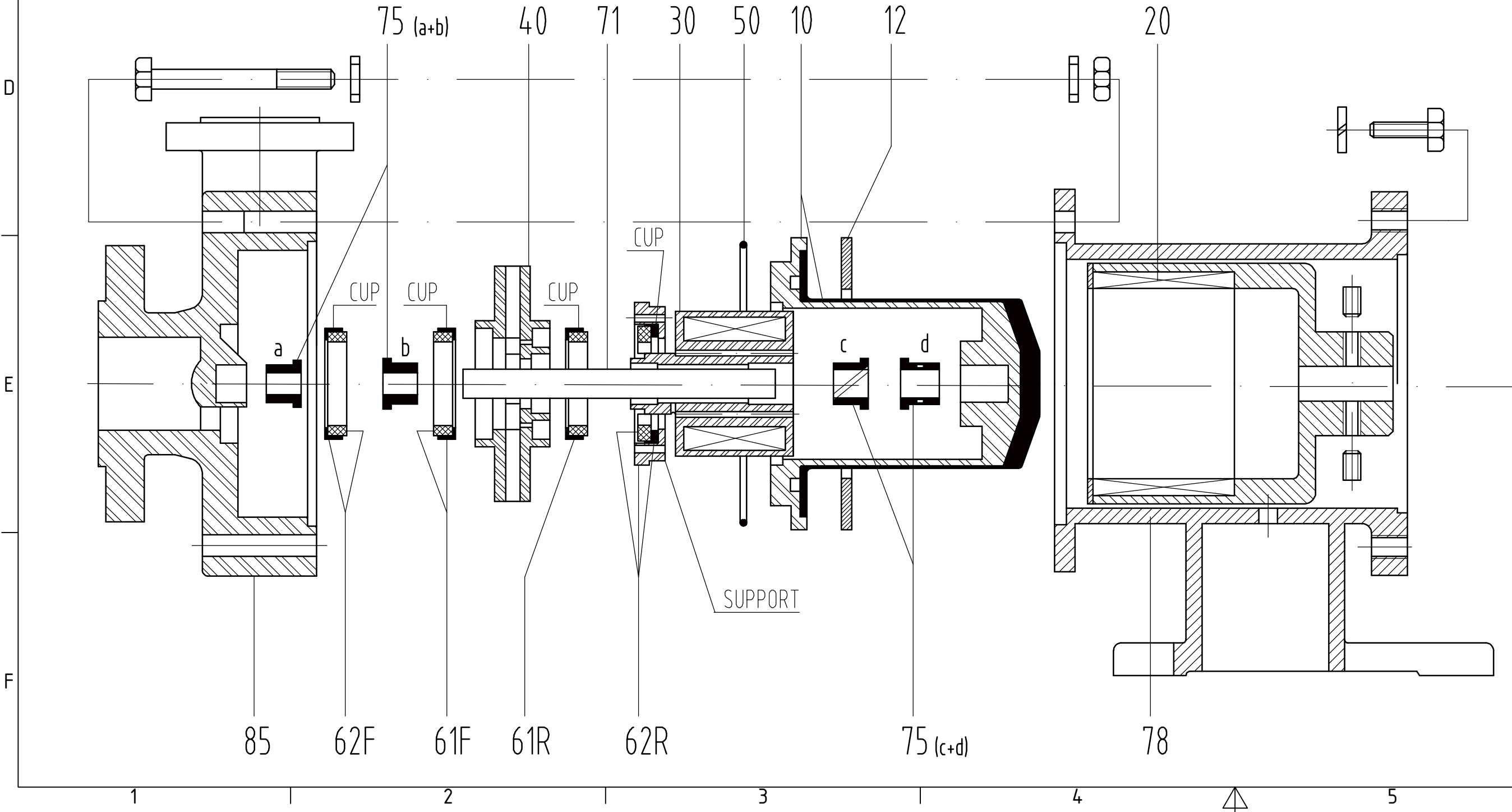
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02.07.2019		Lach		Series MCH	
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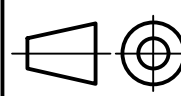
✕ ✕ DIFFERENT FROM MOTOR MANUFACTURER

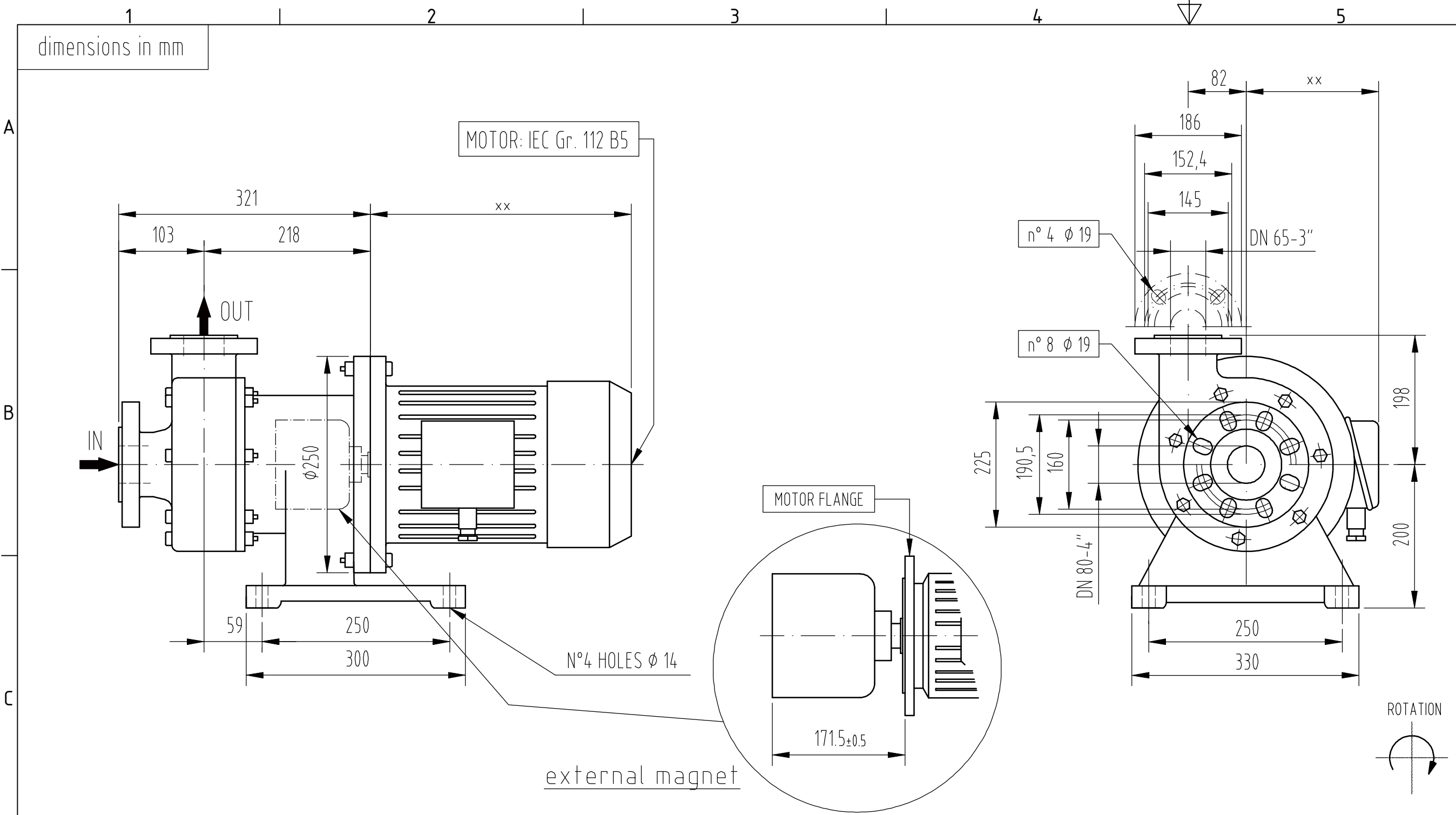
FLANGES ACCORDING TO: DIN 2501 PN 10 / ANSI B 16.5 150 Lbs RF / JIS 10K

REF	DESCRIPTION	MATERIAL	CODE	
10	Containment shell	PP		A
20	Ext. Magnet	CoSm/ Carbon Steel		
30	Int. Magnet	PP/CoSm		
40	Impeller	PP		B
50	O-Ring 228 (628)	EPDM		
61F	Imp. Front Thr. Brg + Cup	PTFEC		
61R	Imp. Rear Thr. Brg + Cup	PTFEC		
62F	Casing Thrust Brg + Cup	Ceramic		
62R	Rear Thrust Brg+Cup+Support	Ceramic		
71	Shaft	Ceramic		
75	Bearings	PTFEC		
78	Bracket (250-180-28)	Cast Iron		
85	Pump Casing	PP		C
88	Rear Wet End (10+30+40+50+61F+61R+62R+71+75)	/		
90	Wet End (10+30+40+50+61F+61R+62F+62R+71+75+85)	/		



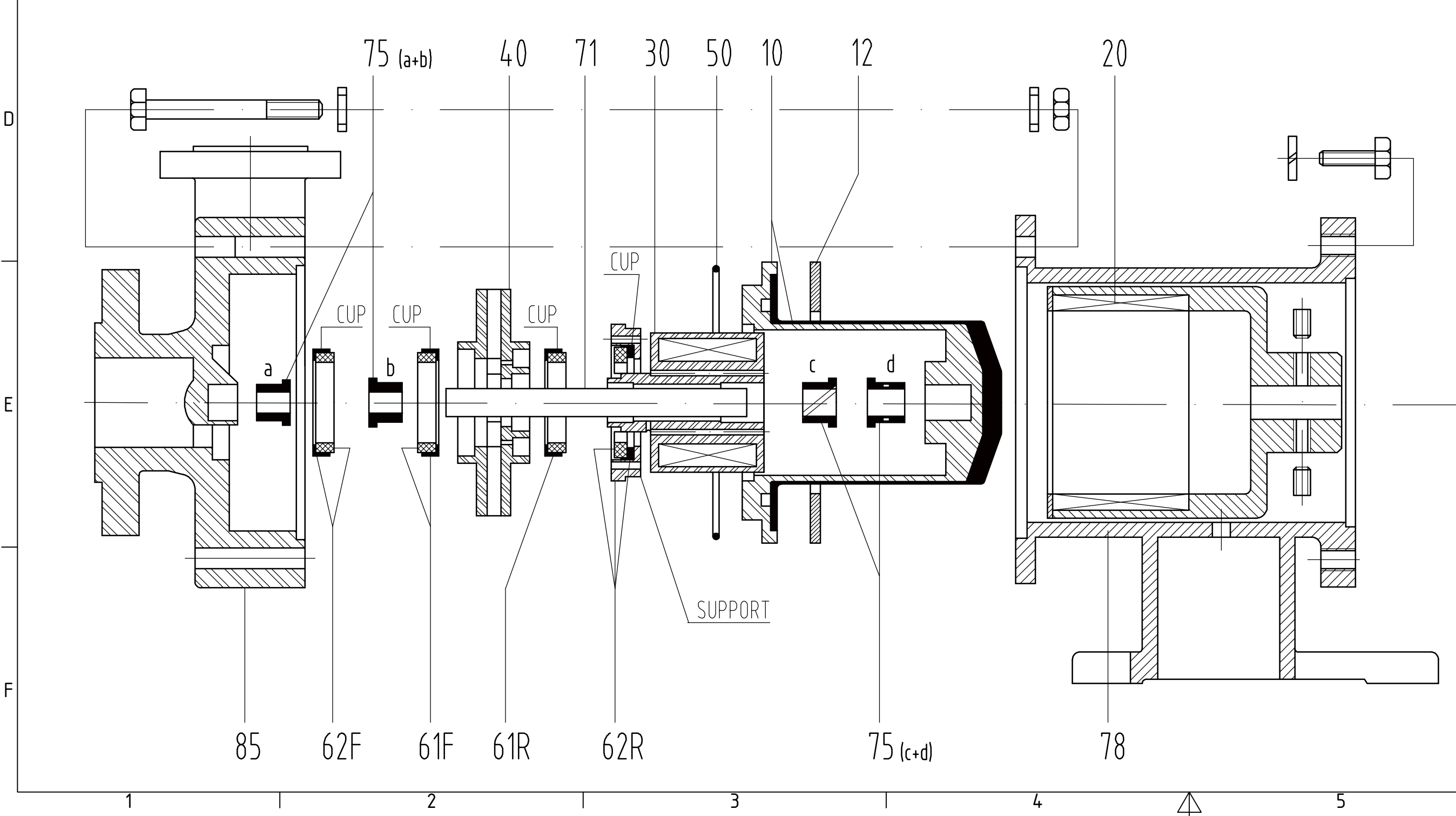
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				Datum		Name	
				Gezeichnet		Lach	
				Kontrolliert			
				Norm			
				Allgemeintoleranzen nach DIN ISO 2768-m Alle Kanten gratfrei			
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Status	Änderungen	Datum	Name				



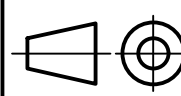
DIFFERENT FROM MOTOR MANUFACTURER

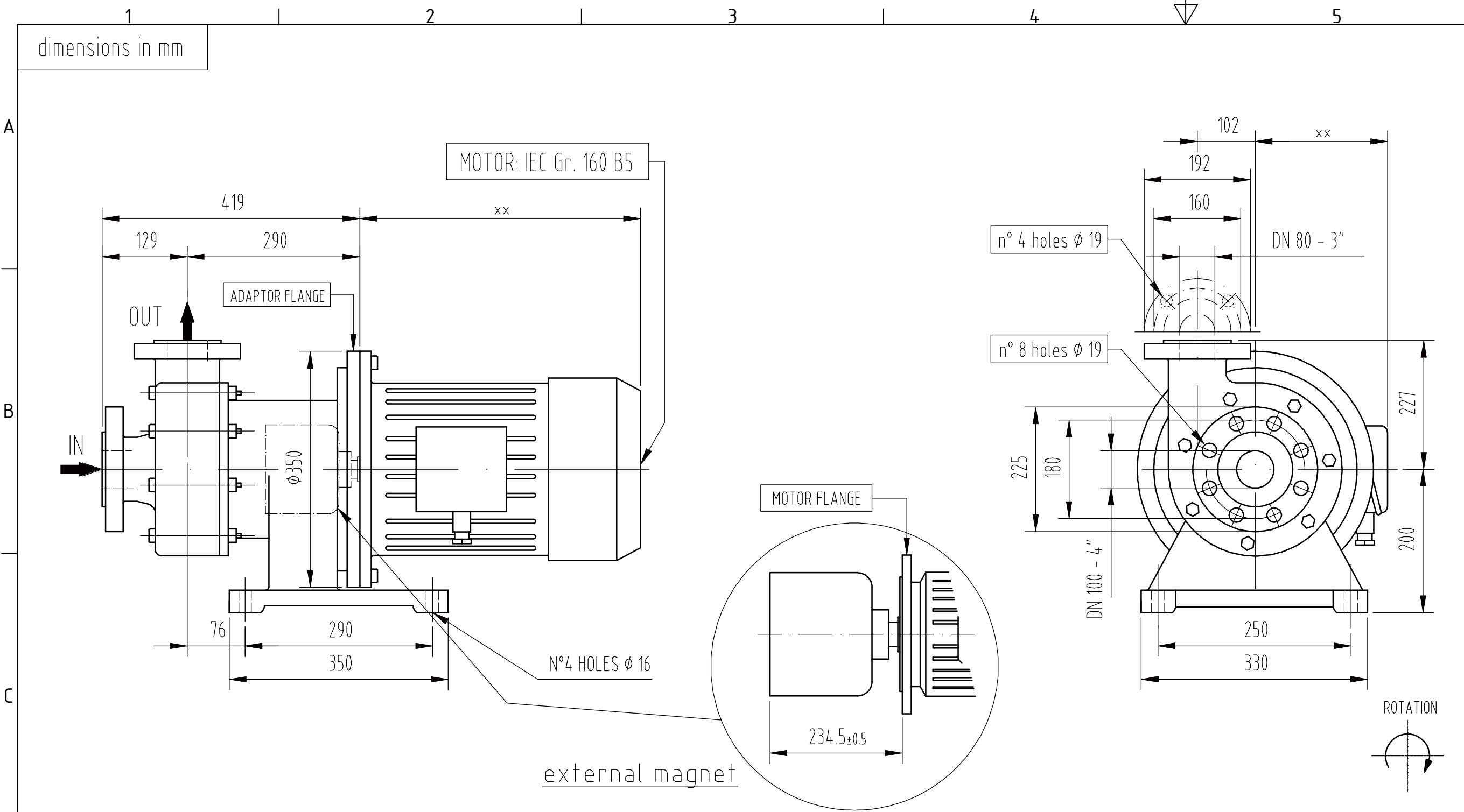
FLANGES ACCORDING TO: DIN 2501 PN 10 / ANSI B 16.5 150 Lbs RF / JIS 10K



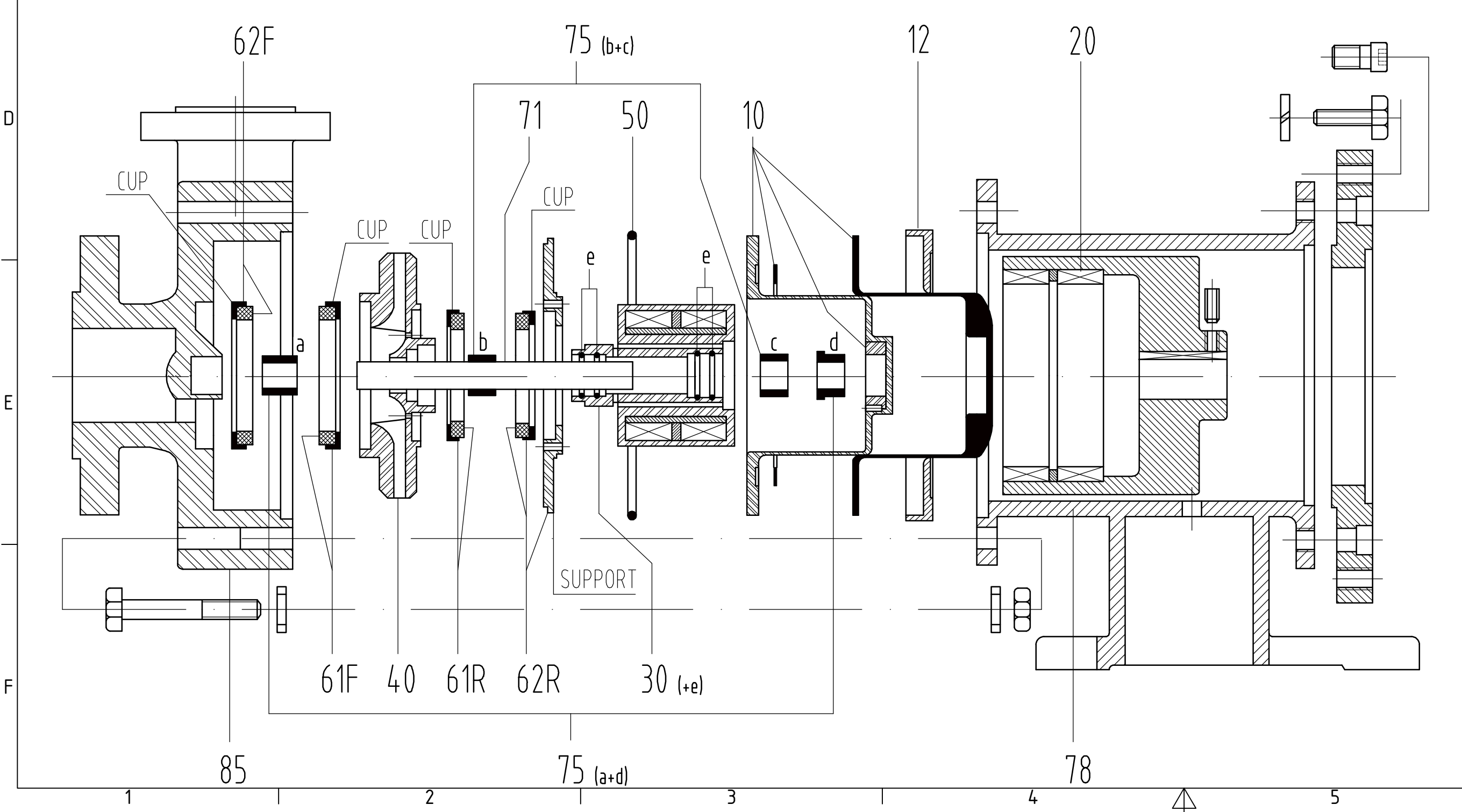
REF	DESCRIPTION	MATERIAL	CODE
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12	Containment shell flange	SS304	
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30	Int. Magnet	PP/CoSm	
40	Impeller	PP	
50	O-Ring 228 (628)	EPDM	
61F	Imp. Front Thr. Brg + Cup	PTFEC	
61R	Imp. Rear Thr. Brg + Cup	PTFEC	
62F	Casing Thrust Brg + Cup	Ceramic	
62R	Rear Thrust Brg+Cup+Support	Ceramic	
71	Shaft	Ceramic	
75	Bearings	PTFEC	
78	Bracket (300-230-38)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+61F+61R+62R+71+75)	/	
90	Wet End (10+30+40+50+61F+61R+62F+62R+71+75+85)	/	

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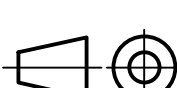
MARCH PUMPEN		MARCH PUMPEN GmbH & Co.KG Räthelstraße 2 D-35394 Gießen info@march-pumpen.com www.march-pumpen.com				Allgemeintoleranzen nach DIN ISO 2768-m Alle Kanten gratfrei	
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				Gezeichnet	Lach		
				Kontrolliert			
				Norm		DPCA-80-65-P	
Status	Änderungen	Datum	Name			1 A2	



6		7	8	
REF	DESCRIPTION	MATERIAL	CODE	
10	Containment shell + Reinforc + Gasket	PP/FC/Viton	A	
12	Rear Casing Flange	SS 304		
20	Ext. Magnet	NeFeB/Carbon Steel		
30	Int. Magnet + O-rings 2131 (e)	PP/NeFeB		
40	Impeller	PP		
50	O-Ring 6795 (369)	EPDM		
61F	Imp. Front Thr. Brg + Cup	PTFEC	B	
61R	Imp. Rear Thr. Brg + Cup	PTFEC		
62F	Casing Front Thrust Brg + Cup	Ceramic		
62R	CasingRear Thrust Brg+Cup+Support	Ceramic		
71	Shaft	SIC		
75	Bearings Bearing (a+d) Bearing (b+c) O-Rings 2131 (e)	PTFEC SiC VITON		
78	Bracket + Adaptor flange (350-250-42)	Cast Iron		
85	Pump Casing	PP		
88	Rear Wet End (10+30+40+50+61F+61R+62R+71+75)	/		
90	Wet End (10+30+40+50+61F+61R+62F+62R+71+75+85)	/	D	



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						Allgemeintoleranzen nach DIN ISO 2768-m Alle Kanten gratfrei			
				Datum		Name		Series MCH MCH 100-80 PP	
				Gezeichnet 02.07.2019		Lach			
				Kontrolliert					
				Norm					
								DPCA-100-80-P	
								1	
								A2	
Status		Änderungen		Datum		Name			
6						7		8	