

# MAGNETGEKUPPELTE PERIPHERALRADPUMPEN

## Baureihe MT

MT 2002/3, 3002/3, 5002/3, 7002/3, 9000, 12000, 16000



### TECHNISCHE DATEN

Nenn Drehzahl:	2900 1/min
Fördermenge / Förderhöhe, max.:	
MT 2002:	1,6 m <sup>3</sup> /h / 10 mWs
MT 2003:	2,8 m <sup>3</sup> /h / 20 mWs
MT 3002:	2,8 m <sup>3</sup> /h / 22 mWs
MT 3003:	3,0 m <sup>3</sup> /h / 23 mWs
MT 5002:	4,2 m <sup>3</sup> /h / 30 mWs
MT 5003:	4,8 m <sup>3</sup> /h / 30 mWs
MT 7002:	6,8 m <sup>3</sup> /h / 32 mWs
MT 7003:	7,0 m <sup>3</sup> /h / 35 mWs
MT 9000:	8,5 m <sup>3</sup> /h / 37 mWs
MT 12000:	9,5 m <sup>3</sup> /h / 47 mWs
MT 16000:	13,0 m <sup>3</sup> /h / 52 mWs
Systemdruck:	PN 6/10/16 bar
Temperaturen:	PP, max.: 80°C, PVDF, max.: 90°C
Dichte max.:	1,8 kg/dm <sup>3</sup>
Viskosität max.:	200 cP

### ANSCHLÜSSE

	Rohr-Innengewinde / Flansch
MT 2002/3:	G 1/2" / DN15
MT 3002/3:	G 3/4" / DN20
MT 5002/3:	G 1" / DN25
MT 7002/3:	G 1" / DN25
MT 9000:	G 1" / DN25
MT 12000:	G 1 1/4" / DN32
MT 16000:	G 1 1/4" / DN32

### WERKSTOFFE

Gehäuse: PP, PVDF  
O-Ringe: EPDM, FKM, FFKM  
Gleitlager: Kohle-Graphit, PTFEC  
Axiallager: Kohle-Graphit, PTFEC

### ANWENDUNGEN

Hauptanwendungen der Pumpen dieser Baureihen sind:

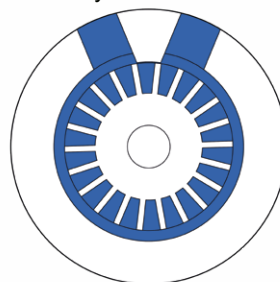
- Neutralisierungsanlagen
- Abwasseraufbereitung
- Chemikaliendosierung
- Chemietechnik
- Pharmazie- und Biotechnik
- Druckerhöhungspumpen
- Umkehrosmose

### KONSTRUKTIONSMERKMALE

- Seitenkanal Peripheralradpumpe
- komplett nicht-metallisch
- Turbinenrad
- Leckagefrei
- Magnetgekuppelt
- Gas-mitfördernd
- Selbstansaugend (nass)
- NdFeB / CoSm Permanentmagnete
- Blockbauweise
- Wartungsfrei
- Wenige Verschleißteile
- Pumpe auch nach ATEX 2014/34/EU

### PRODUKTBESCHREIBUNG

MARCH Magnetgekuppelte Peripheralradpumpen der Baureihe MT sind aus Vollstab PP oder PVDF zerspanend hergestellt. Eine Vielzahl turbinenförmiger Leitschaufeln erzeugen einen vergleichsweise hohen Förderdruck, bei geringen Fördermengen. Die Pumpen der Baureihe MT sind in Seitenkanalausführung gefertigt, so dass Gasanteile im Medium von max. 20 Vol-% problemlos mitgefördert werden können, ohne Trockenlaufschäden zu verursachen. Magnetgekuppelte Pumpen arbeiten völlig ohne mechanische Wellenabdichtung. Die Kraftübertragung erfolgt berührungslos und kraftschlüssig durch starke Permanentmagneten auf das Hydraulikteil.



MARCH Magnetgekuppelte Peripheralradpumpen eignen sich zur leckagefreien Förderung aggressiver, umweltgefährdender und toxischer Medien, insbesondere dann, wenn kleine Fördermengen bei großen geodätischen Förderhöhen gepumpt werden müssen.

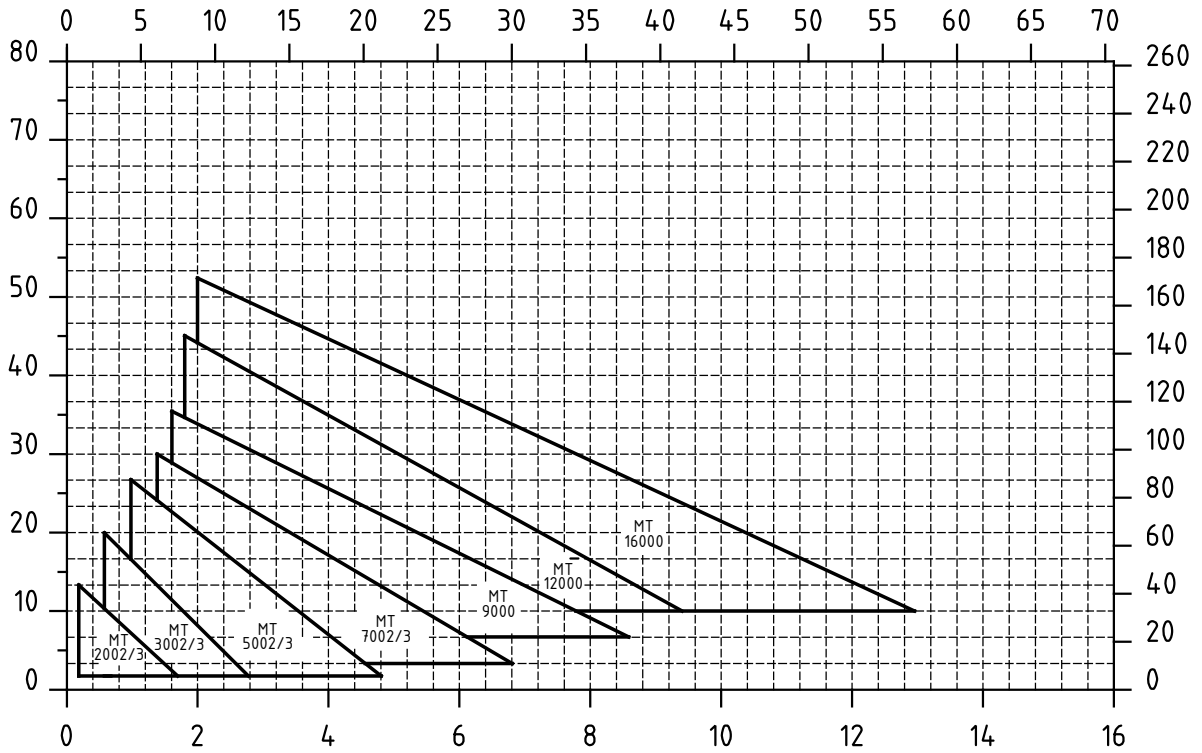
Die Magnetkupplung gewährleistet eine absolute hermetische Dichtheit der Pumpe. Die Pumpen werden standardmäßig in kompakter Blockbauweise angefertigt. Das modulare Baukastensystem ermöglicht die schnelle Austauschbarkeit der Einzelteile ohne besondere Werkzeuge.

Als Antriebe werden ausschließlich europäische IEC-Normmotoren nach DIN/EN 60034 und VDE 0530 adaptiert.

Für einen störungsfreien Pumpenbetrieb sind die Einsatzgrenzen, insbesondere aber die Mindestfördermenge und die erforderliche Zulaufhöhe (NPSH, erf.) zu beachten.

Q (usgpm)

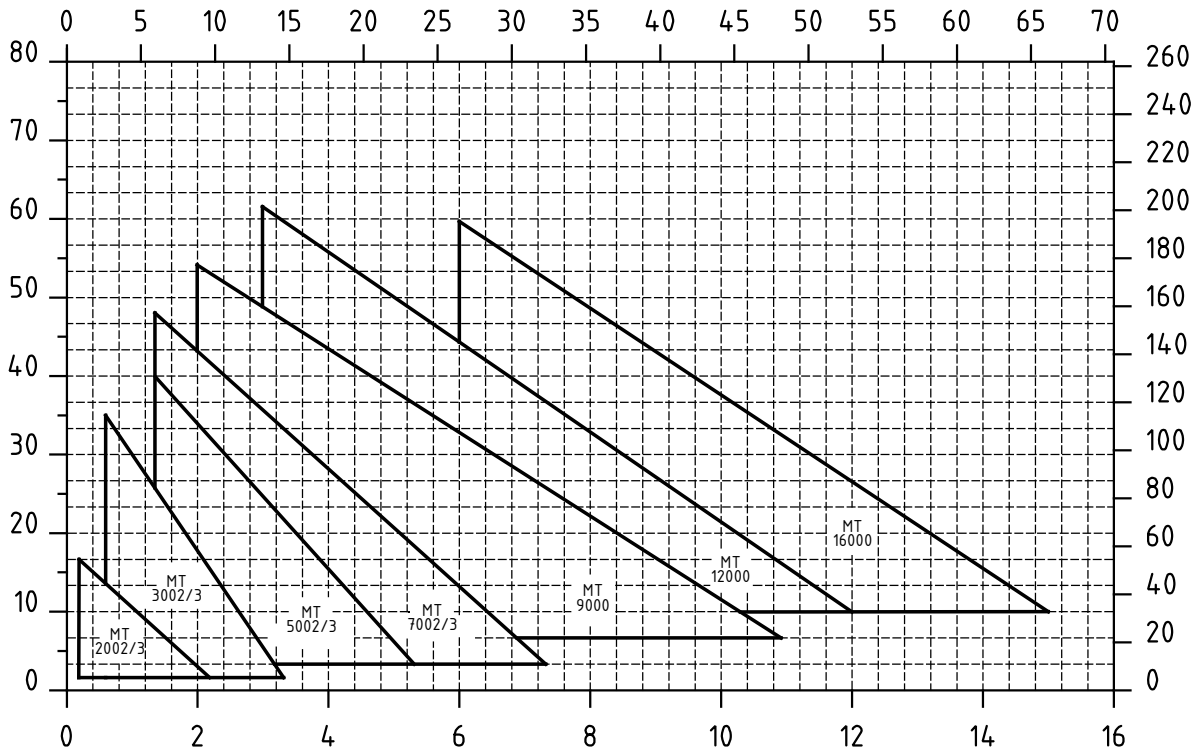
### Series MT - 2900 RPM (50 Hz)



Q (m<sup>3</sup>/h)

Q (usgpm)

### Series MT - 3500 RPM (60 Hz)



Q (m<sup>3</sup>/h)



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Baureihe / Series:

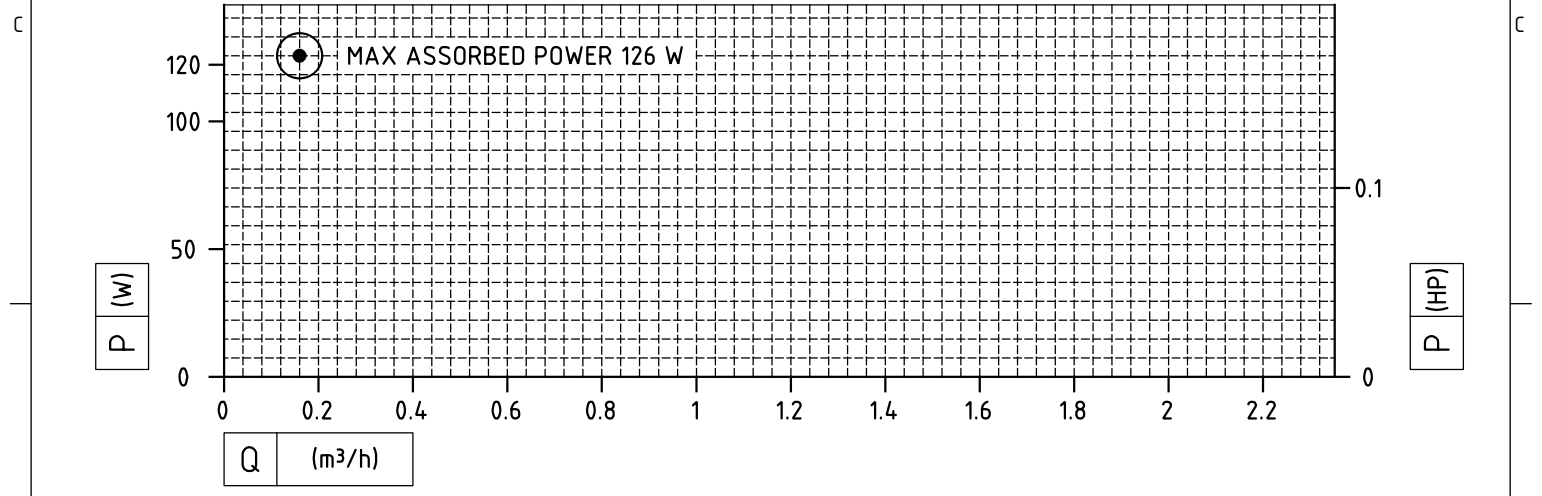
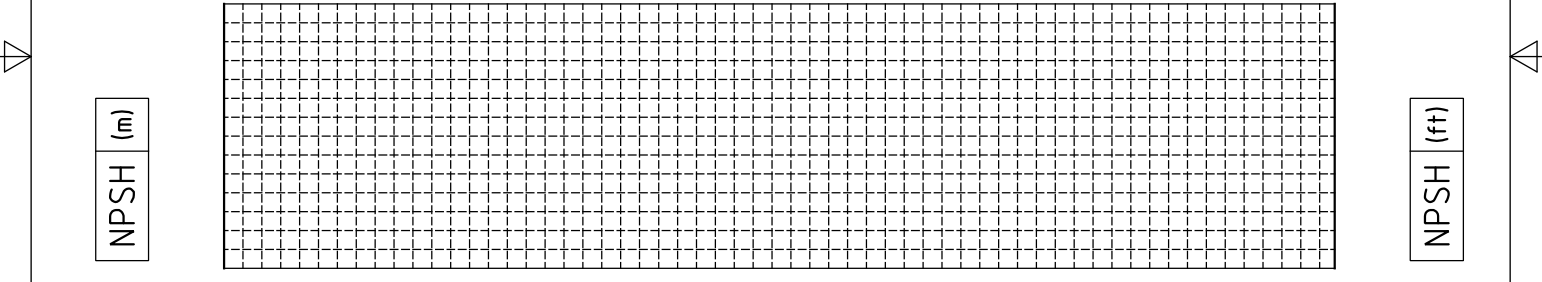
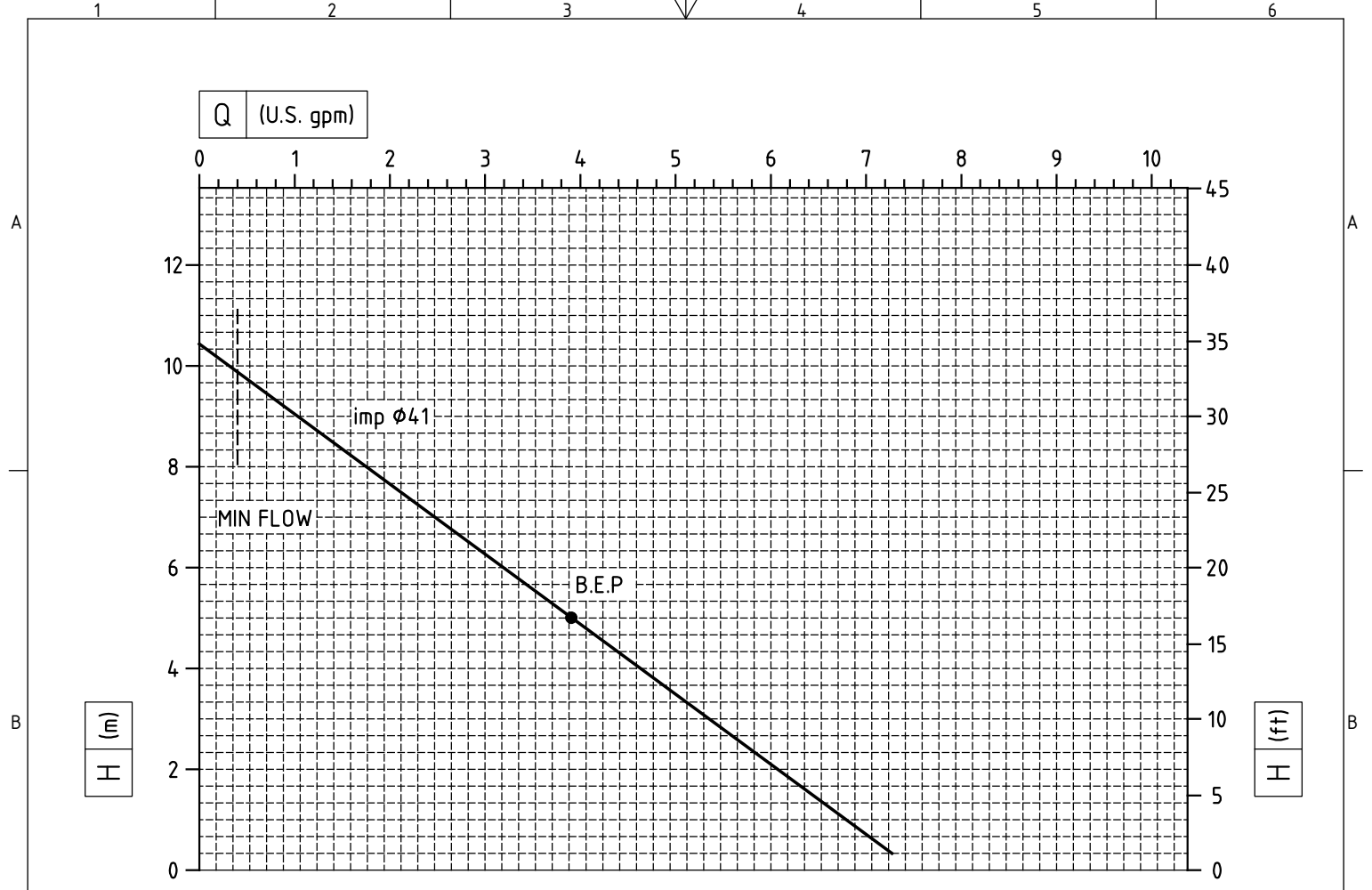
MT


Typ / Type:

MT Family Curves

Motor Speed:

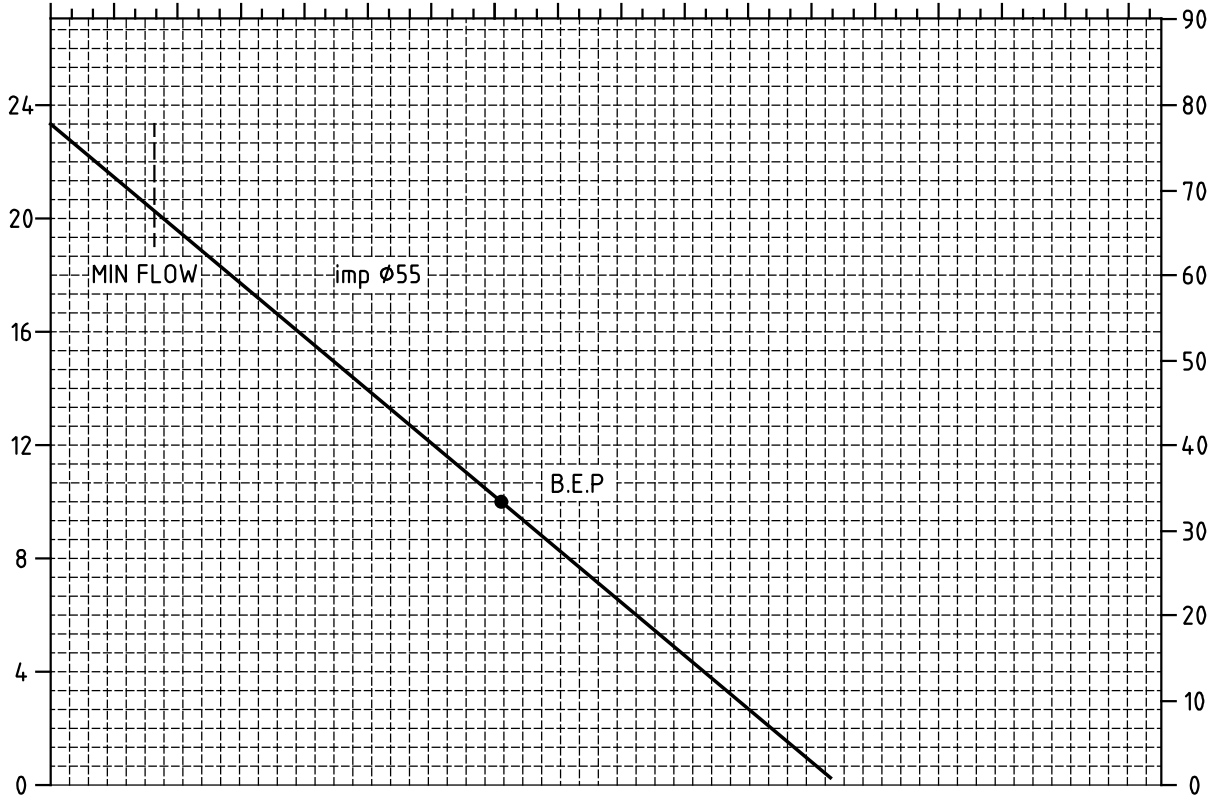
2900 / 3500 1/min



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	Typ / Type:	MT 2002
	Motor Speed:	2900 1/min

Q (U.S. gpm)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

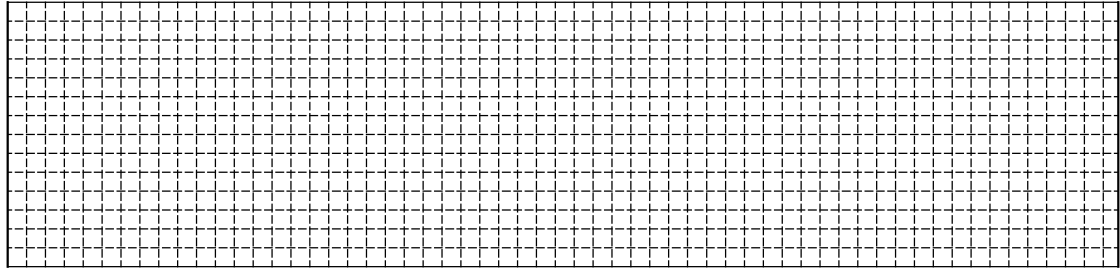


H (m)

H (ft)

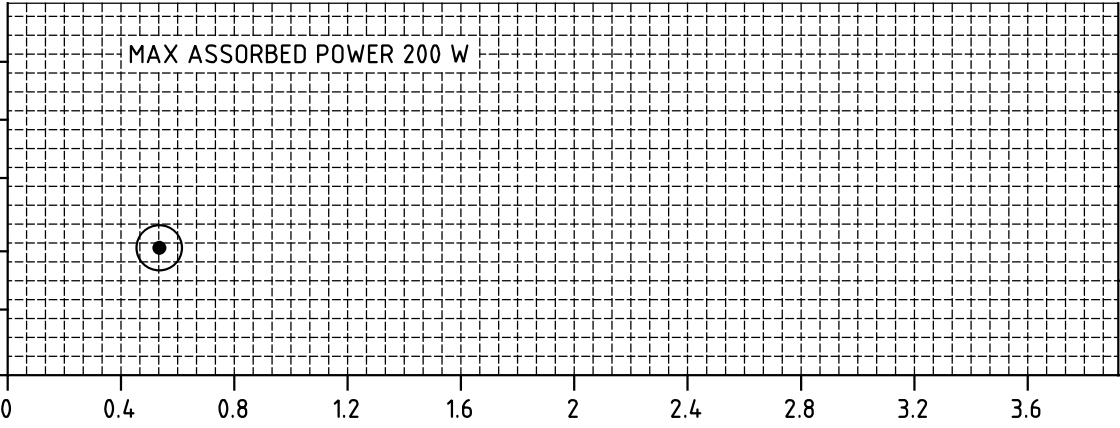
NPSH (m)

NPSH (ft)



P (kW)

P (HP)



Q (m³/h)

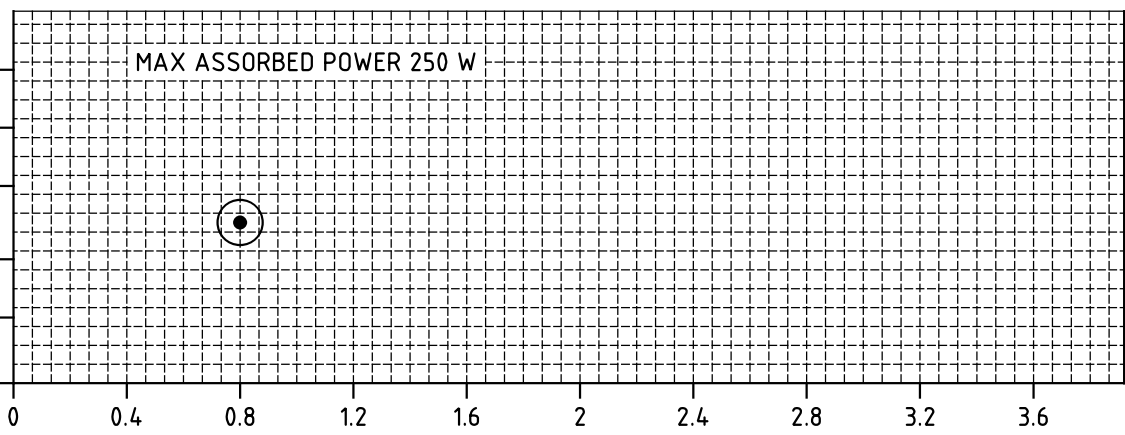
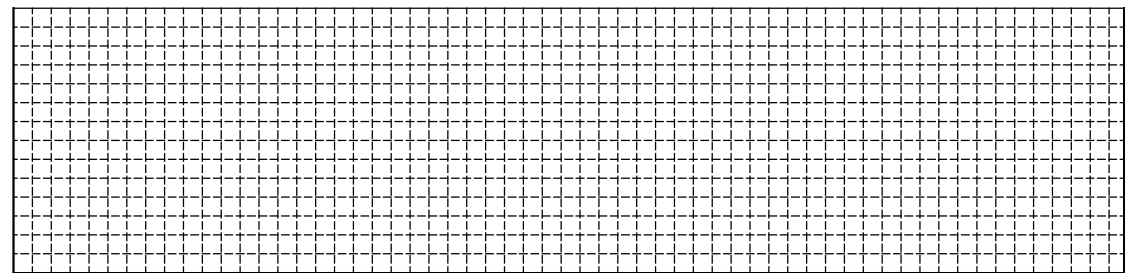
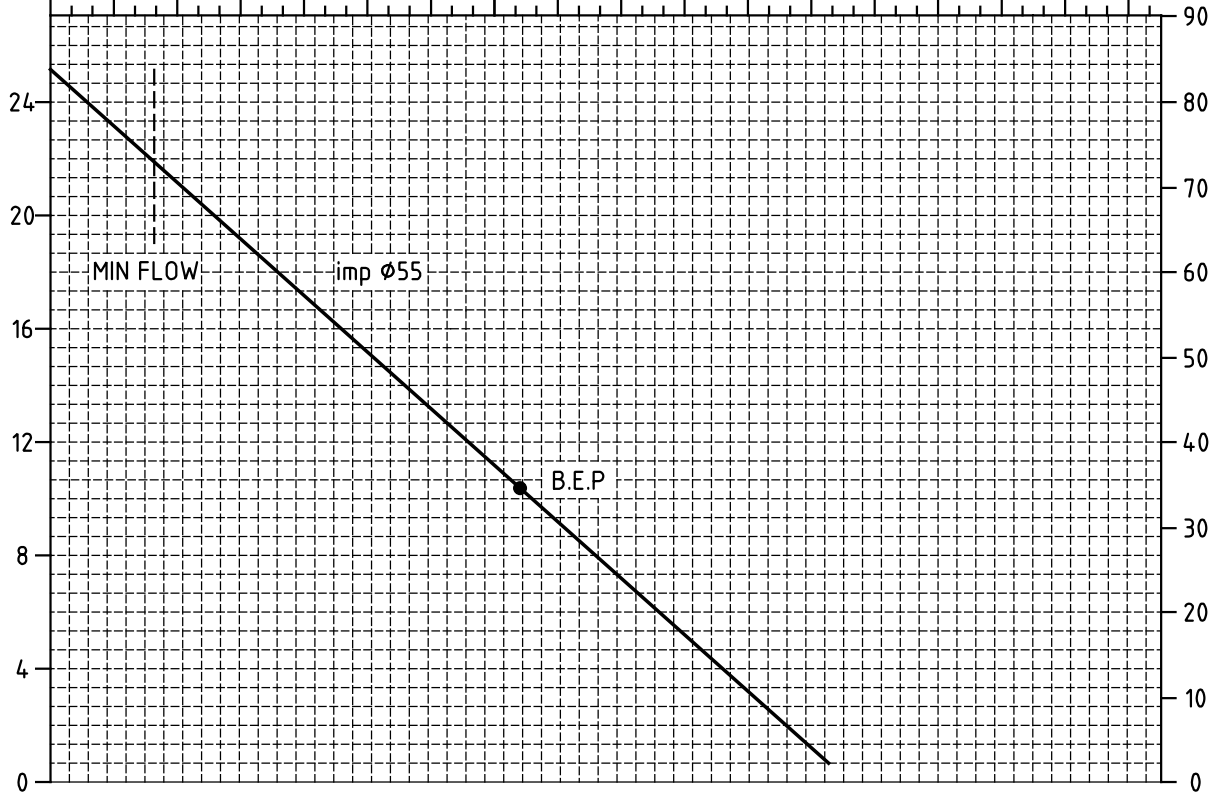


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Baureihe / Series:	MT
Typ / Type:	MT 2003
Motor Speed:	2900 1/min

Q (U.S. gpm)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17



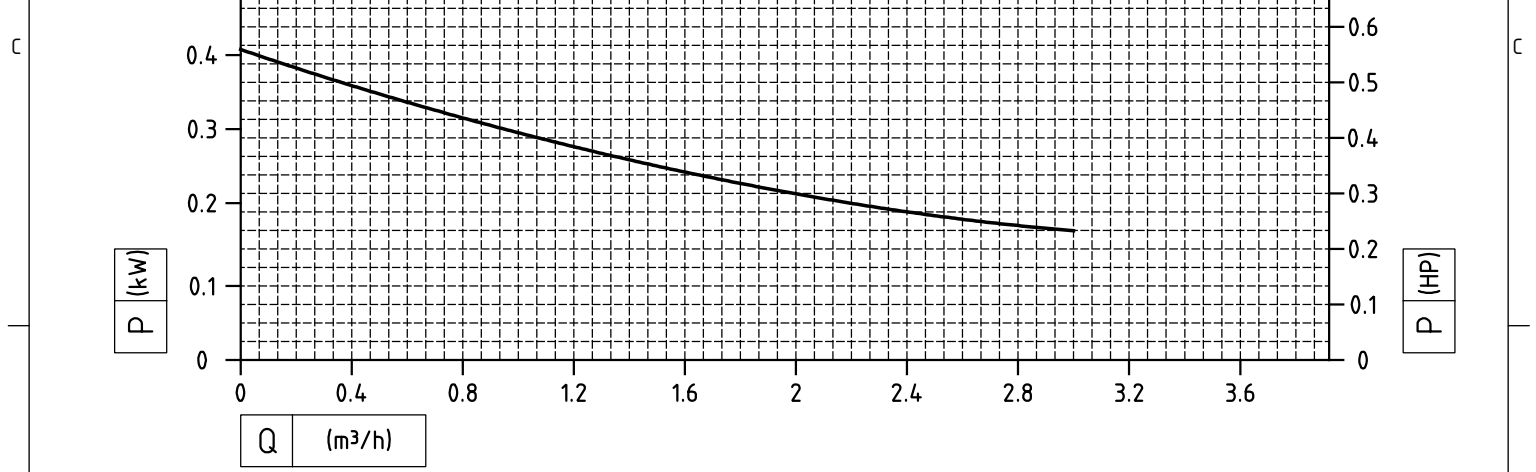
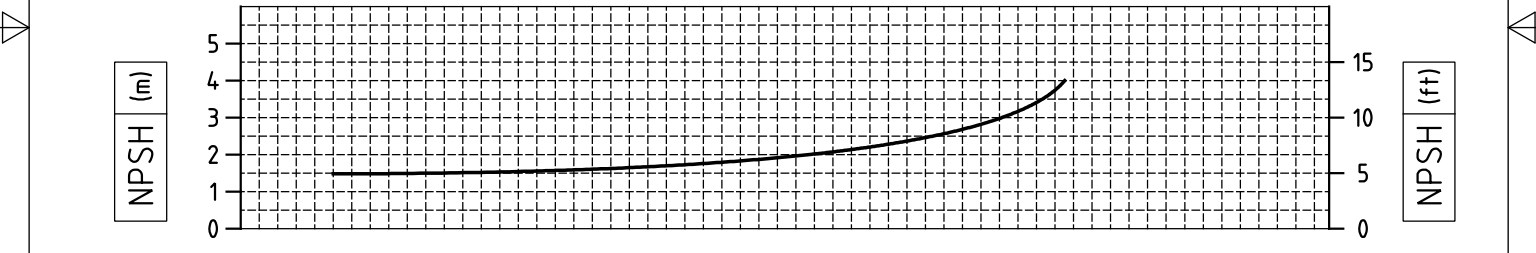
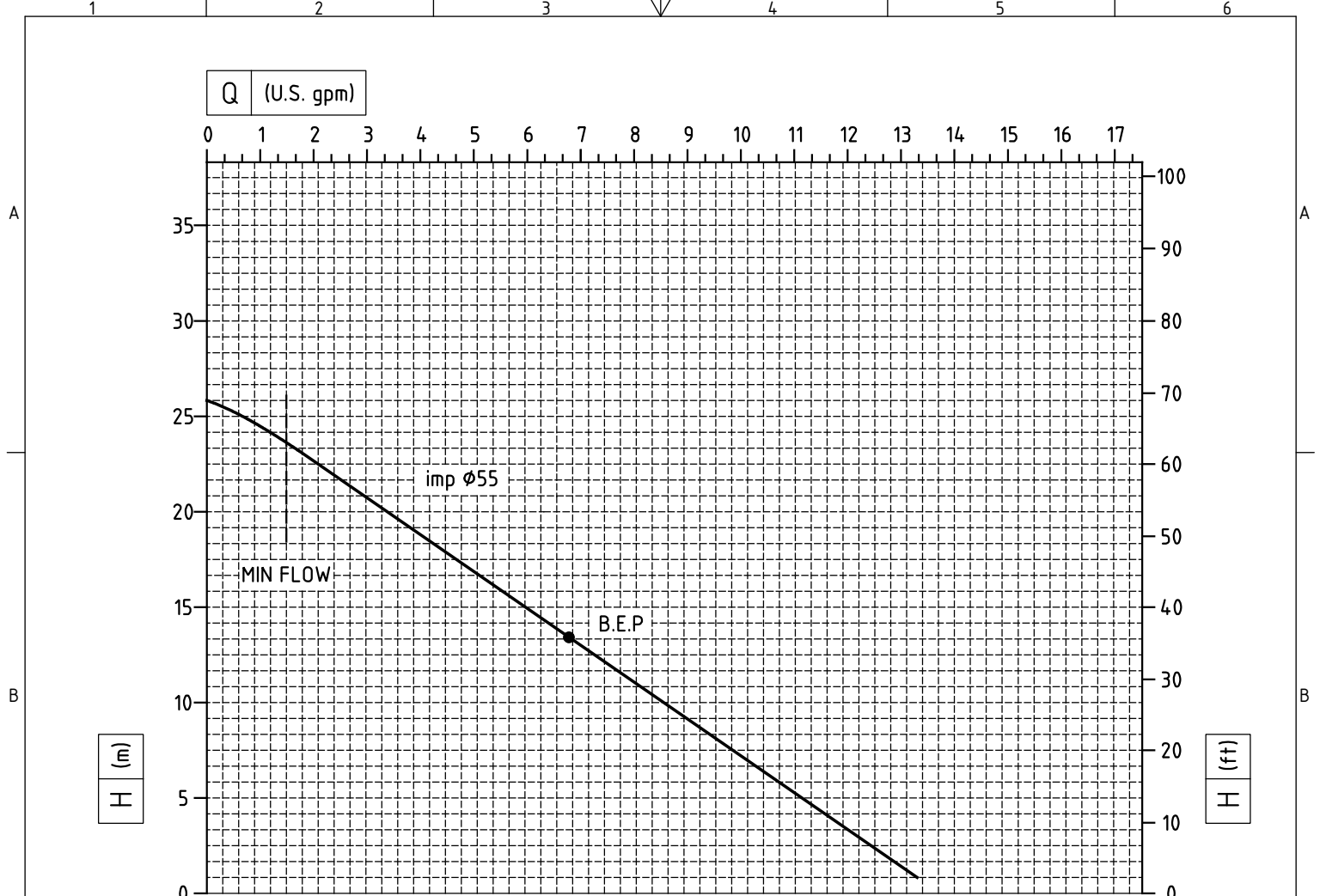
Q (m³/h)




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 D-35394 Gießen  
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Baureihe / Series:	MT
Typ / Type:	MT 3002
Motor Speed:	2900 1/min



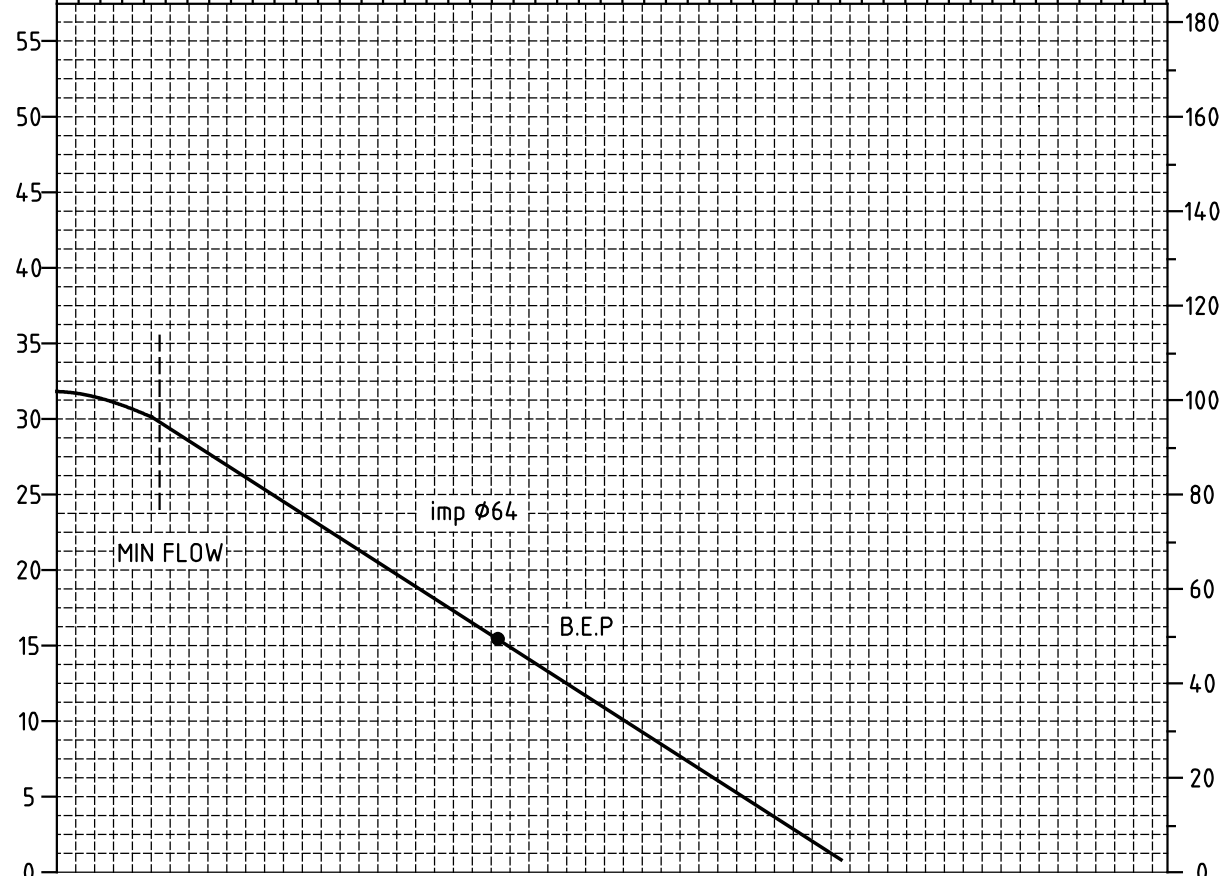


Motor power depends on specific gravity of pumped liquid.

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	Typ / Type:	MT 3003
	Motor:	2900 1/min

Q (U.S. gpm)

0 2 4 6 8 10 12 14 16 18 20 22 24

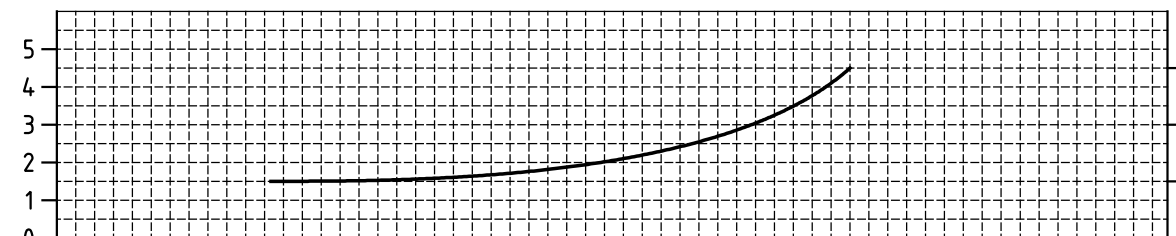


H (m)

H (ft)

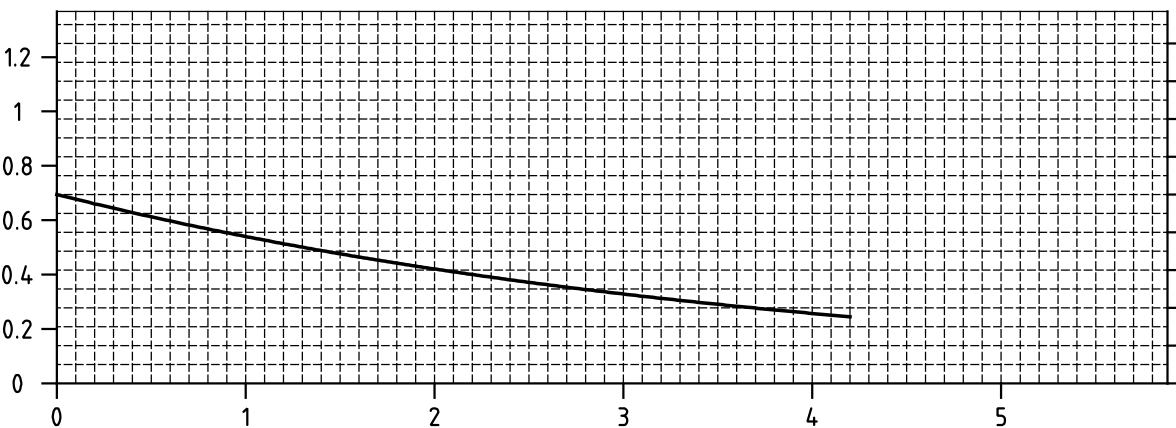
NPSH (m)

NPSH (ft)



P (kW)

P (HP)



Q (m³/h)

0 1 2 3 4 5

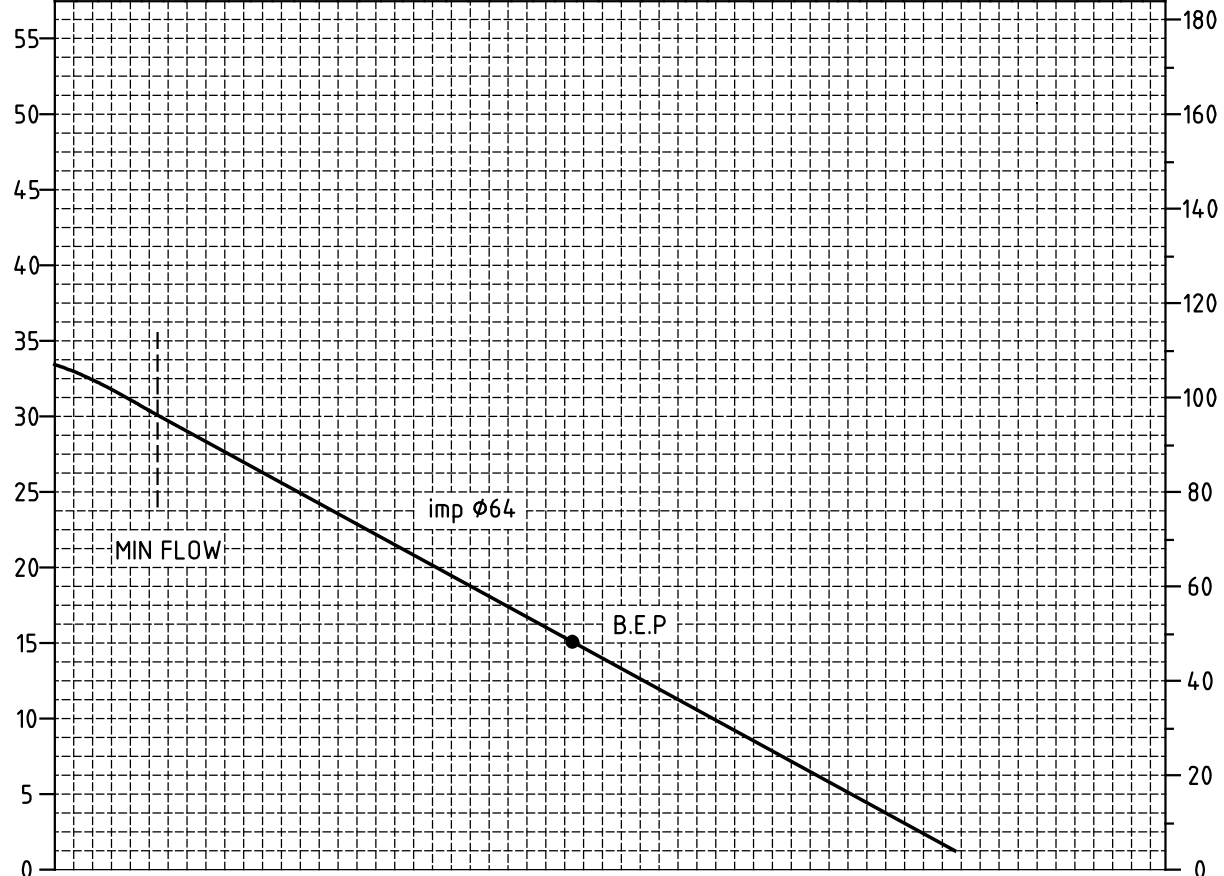


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Baureihe / Series:	MT
Typ / Type:	MT 5002
Motor Speed:	2900 1/min

Q (U.S. gpm)

0 2 4 6 8 10 12 14 16 18 20 22 24

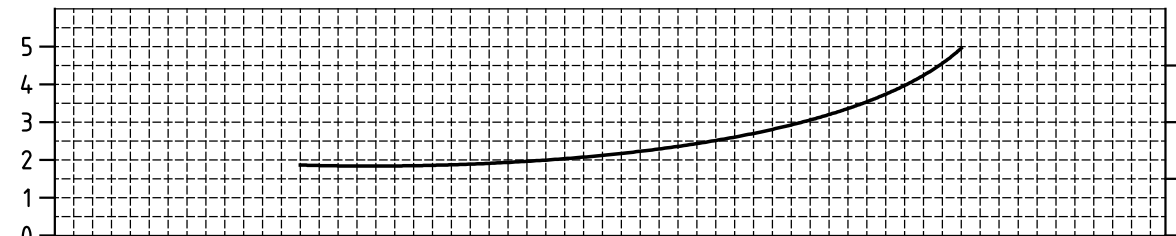


H (m)

H (ft)

NPSH (m)

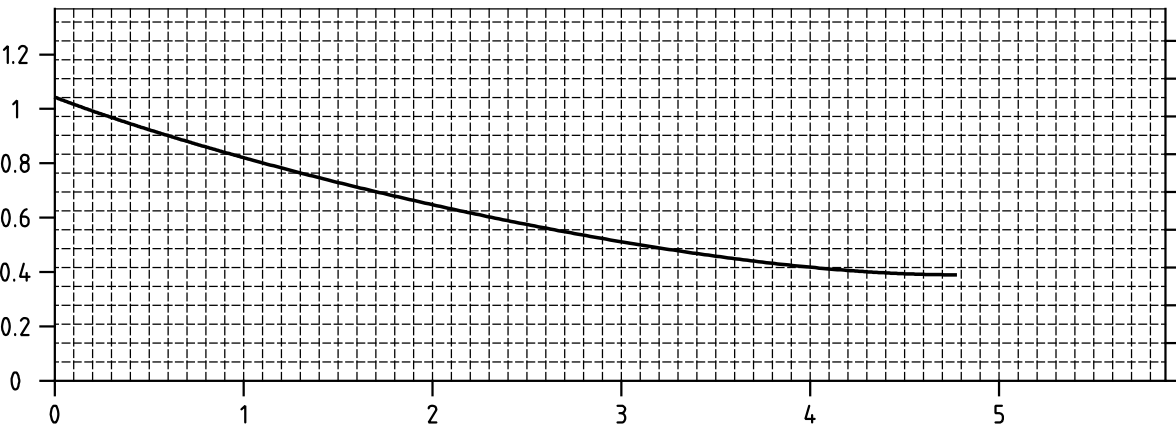
NPSH (ft)



P (kW)

P (HP)

Q (m³/h)

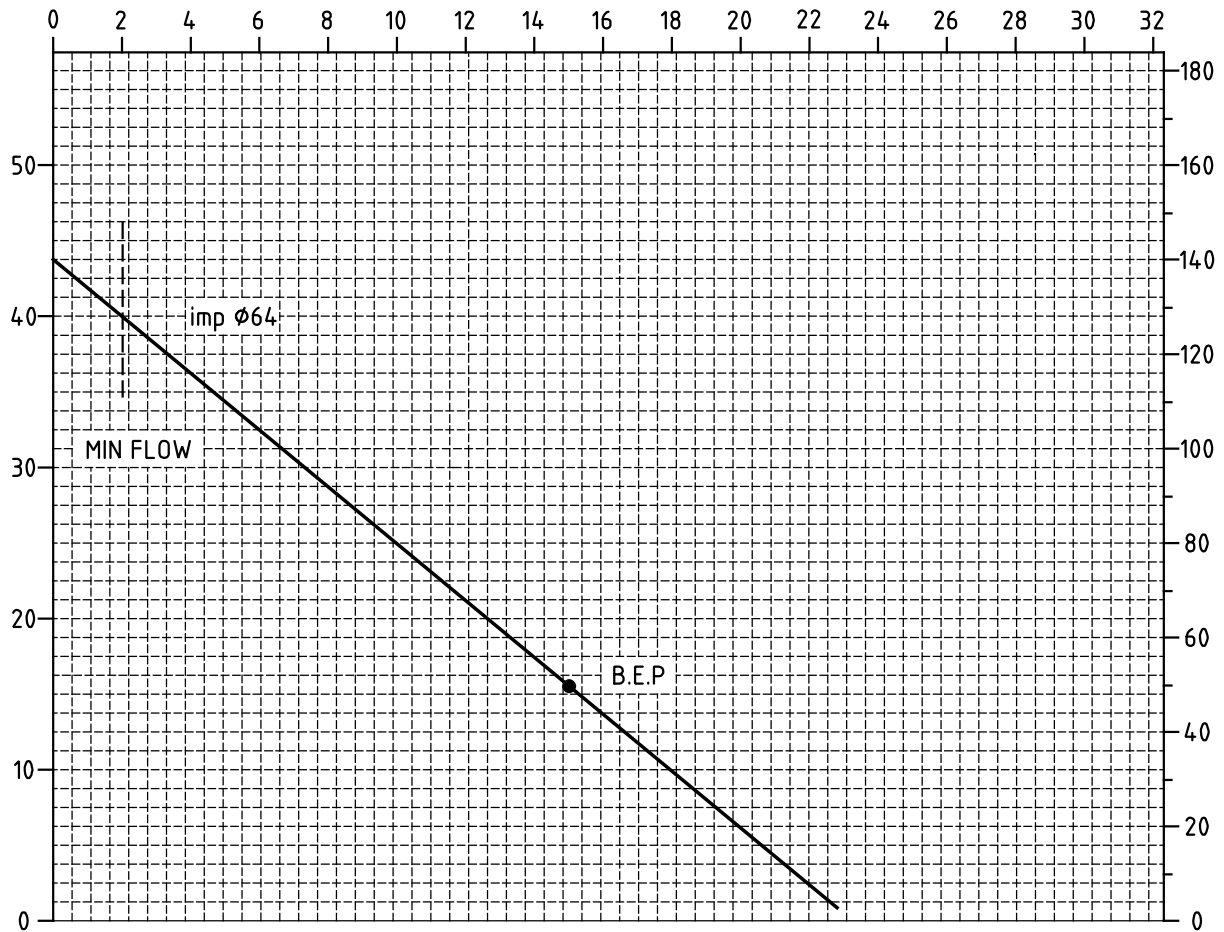


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Baureihe / Series:	MT
Typ / Type:	MT 5003
Motor Speed:	2900 1/min



Q (U.S. gpm)

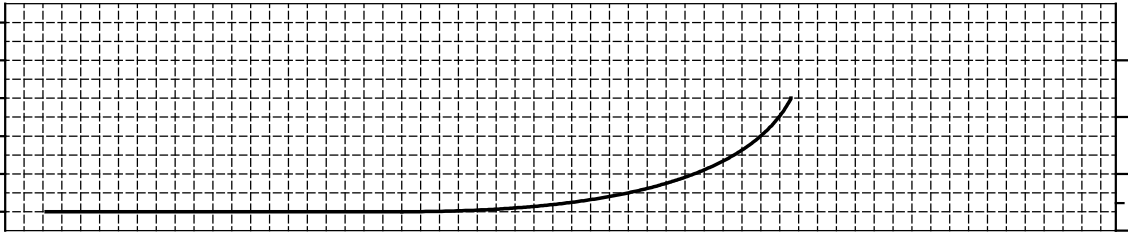


H (m)

H (ft)

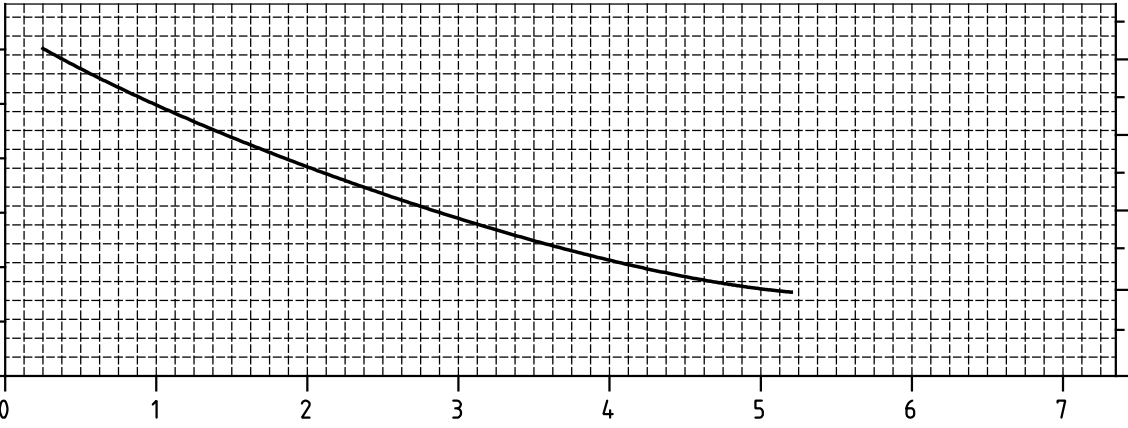
NPSH (m)

NPSH (ft)



P (kW)

P (HP)



Q (m³/h)

- Motor power depends on specific gravity of pumped liquid.  
 - IEC motor power has been calculated considering 440V,  
 for different voltage consult the factory.

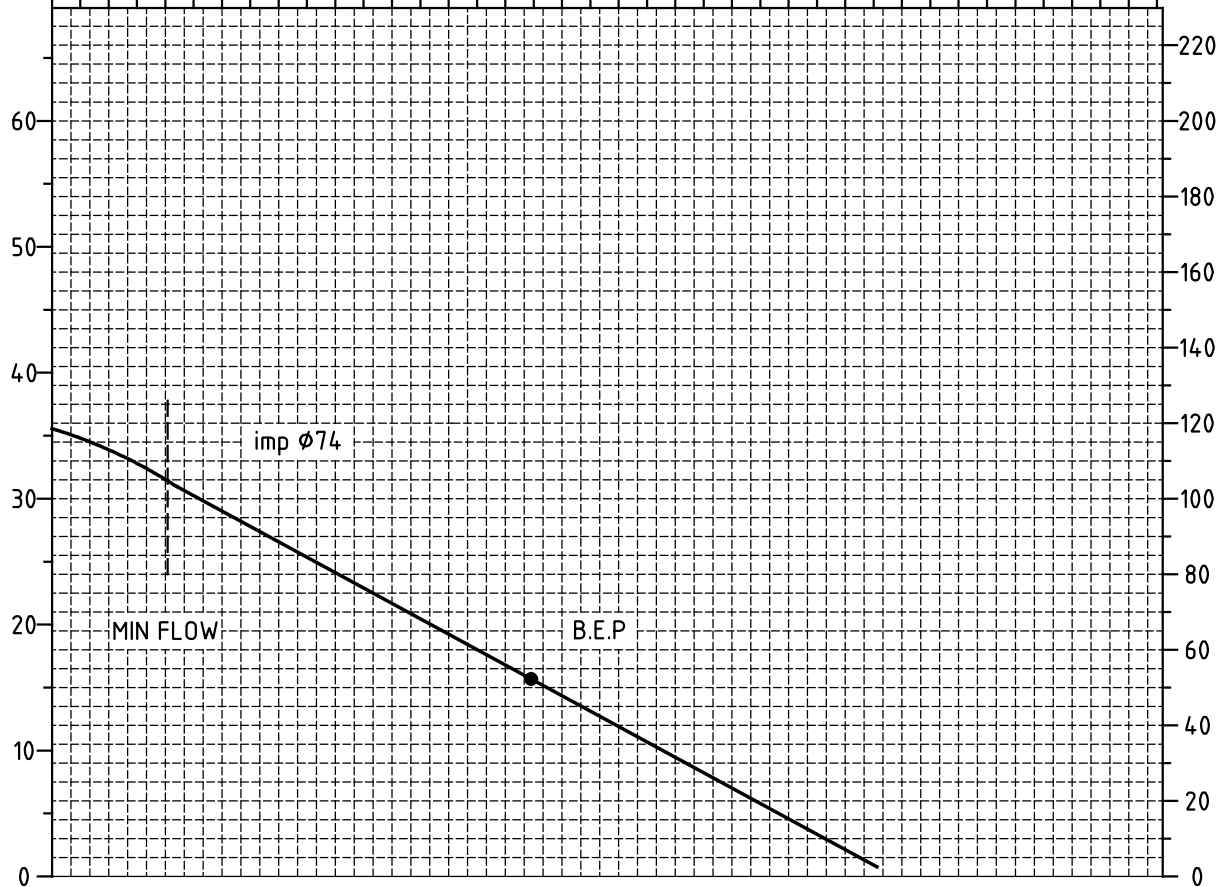


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Baureihe / Series:	MT
Typ / Type:	MT 5003
Motor Speed:	3500 1/min

Q (U.S. gpm)

0 4 8 12 16 20 24 28 32 36

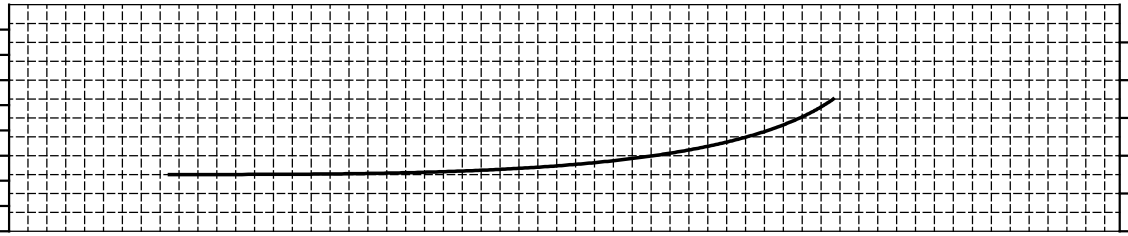


H (m)

H (ft)

NPSH (m)

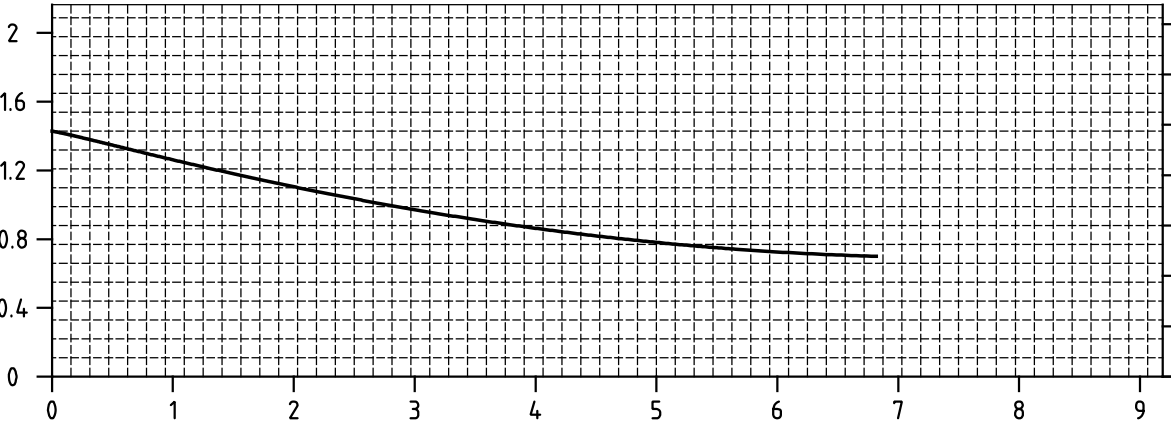
NPSH (ft)



P (kW)

P (HP)

Q (m³/h)

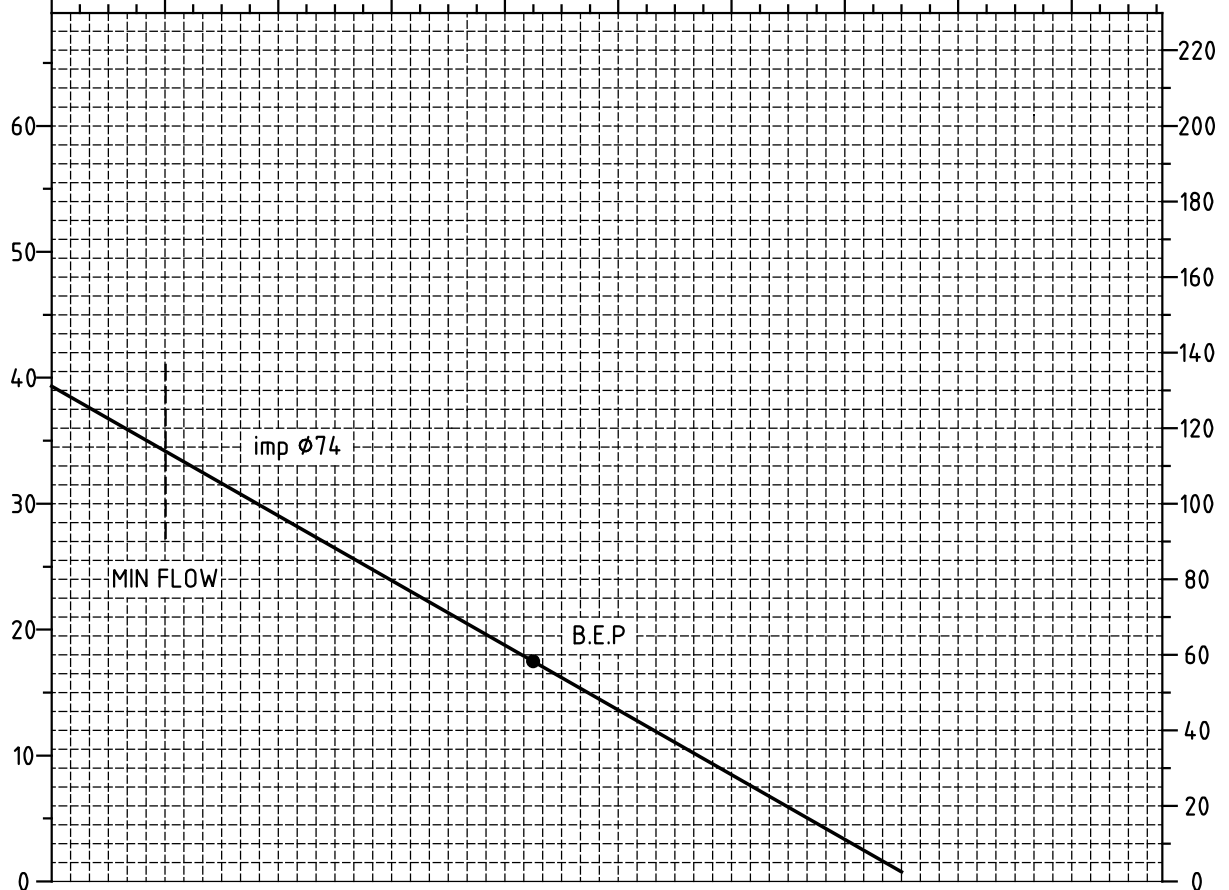


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Baureihe / Series:	MT
Typ / Type:	MT 7002
Motor Speed:	2900 1/min

Q (U.S. gpm)

0 4 8 12 16 20 24 28 32 36

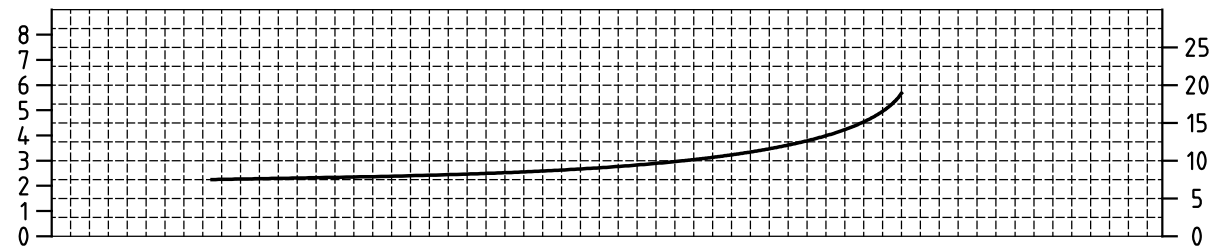


H (m)

H (ft)

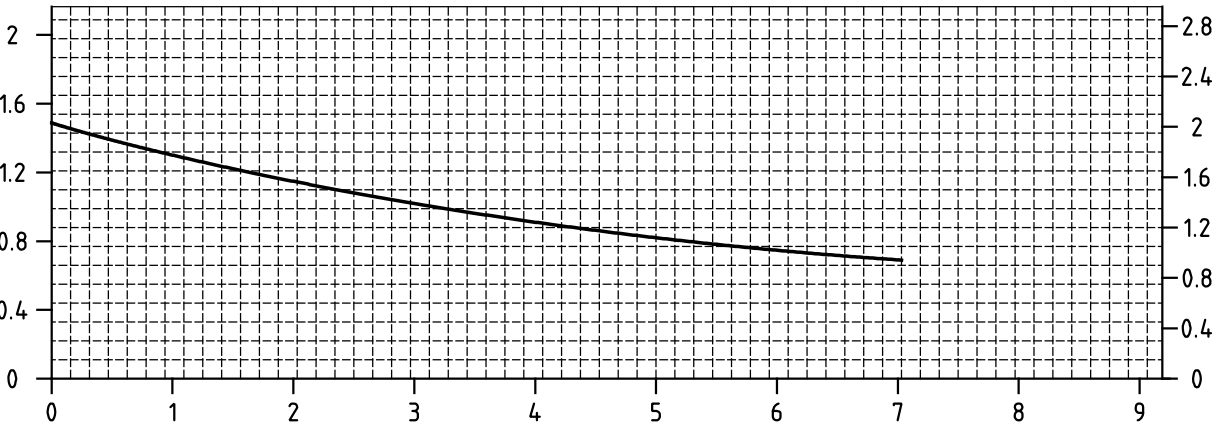
NPSH (m)

NPSH (ft)



P (kW)

P (HP)

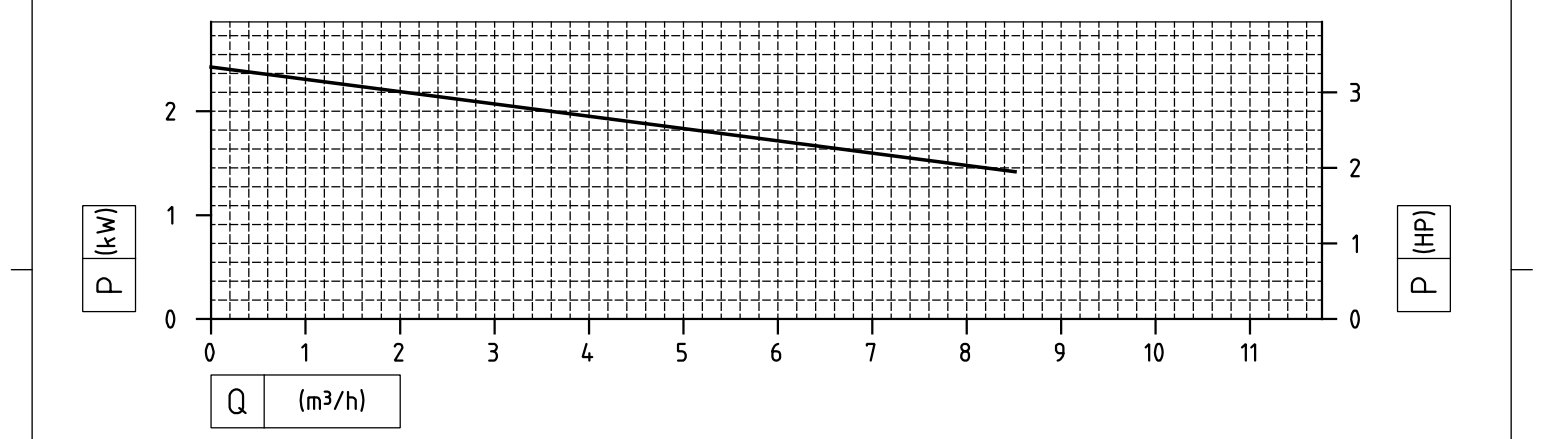
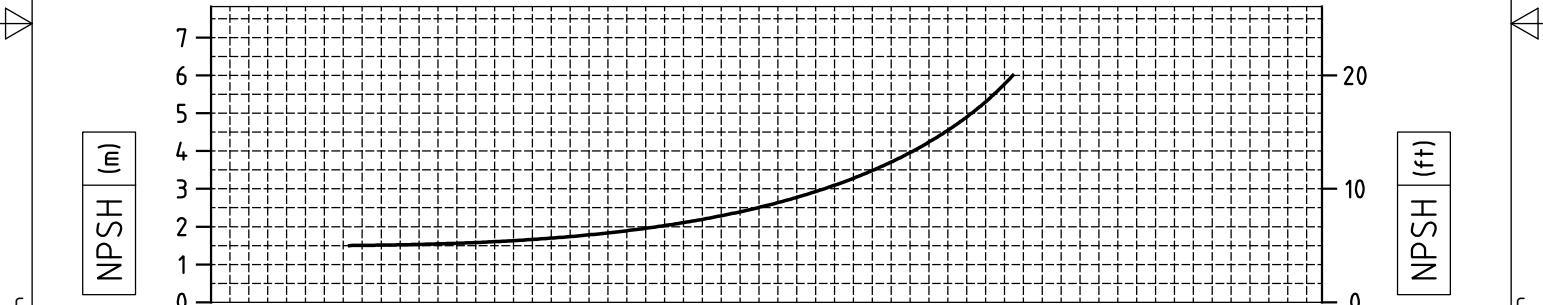
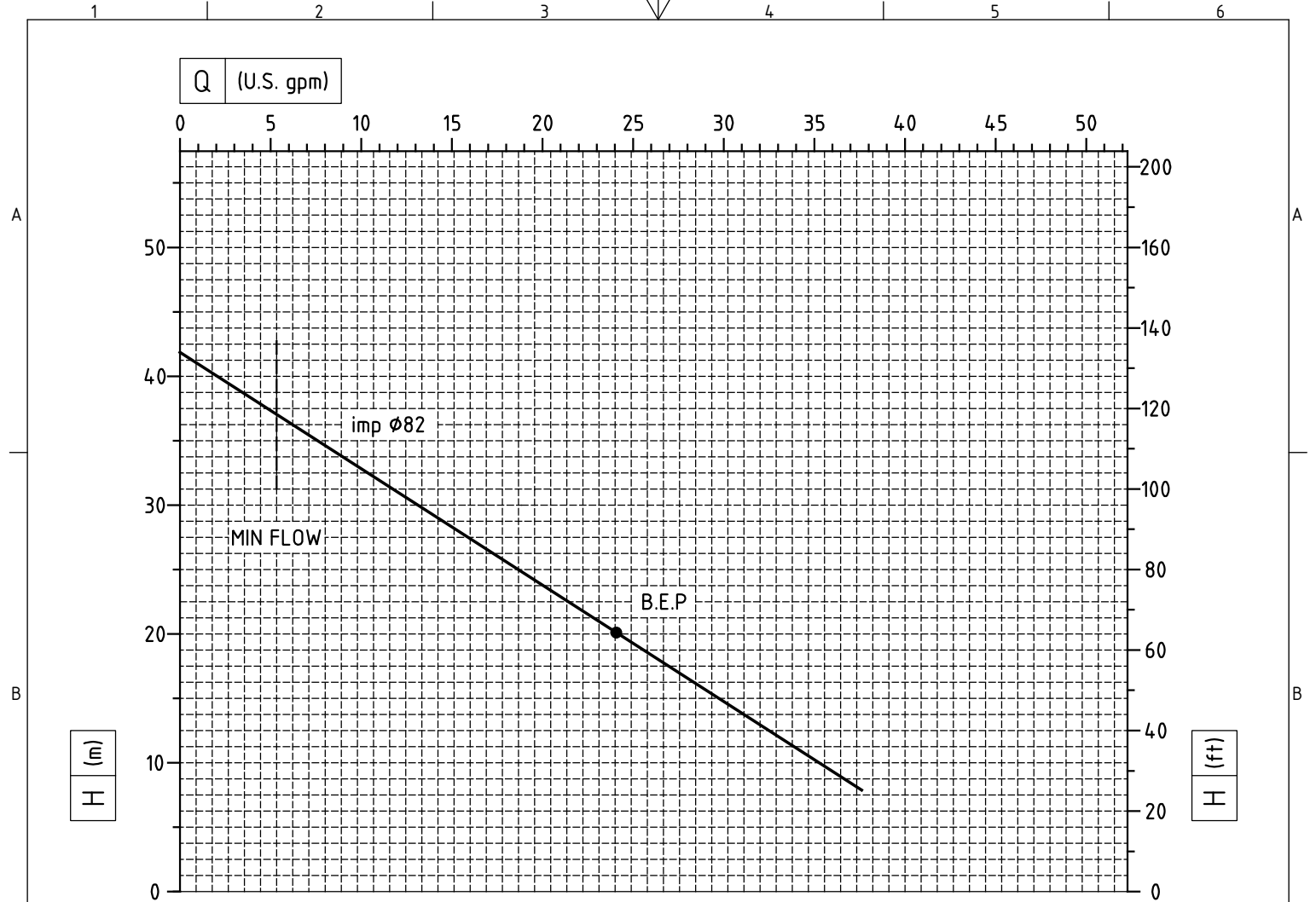


Q (m³/h)




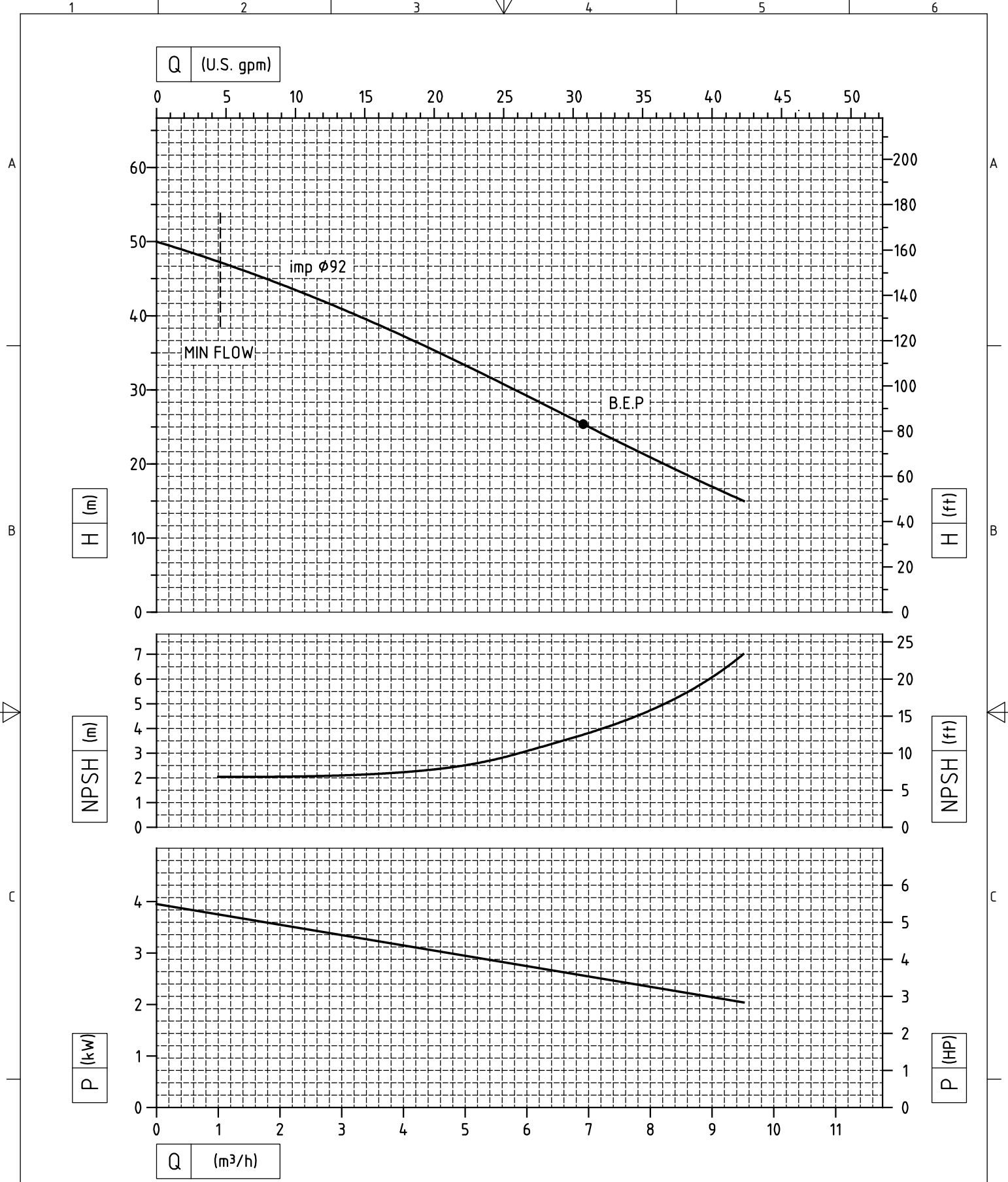
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Baureihe / Series:	MT
Typ / Type:	MT 7003
Motor Speed:	2900 1/min




Motor power depends on specific gravity of pumped liquid.

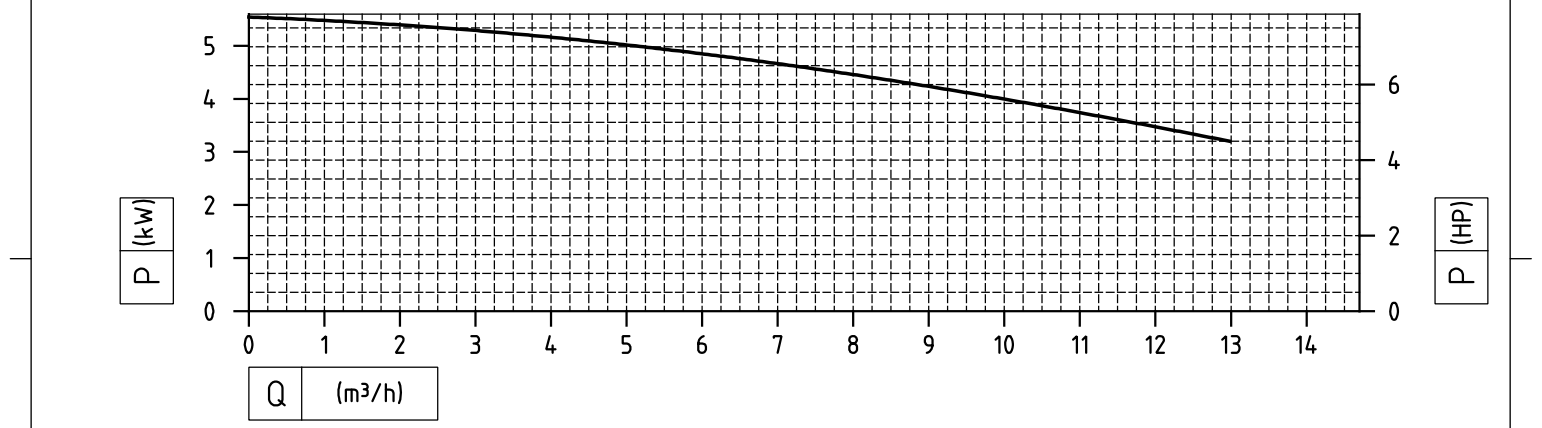
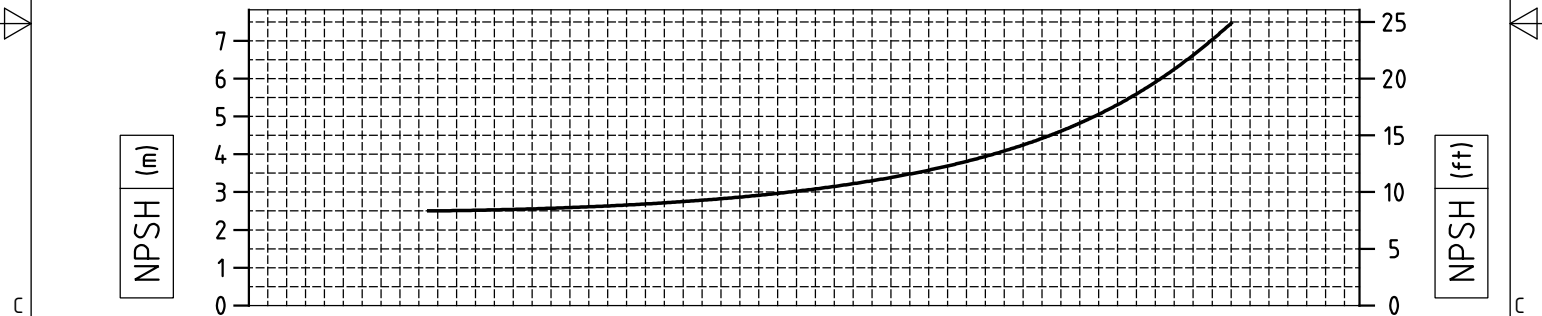
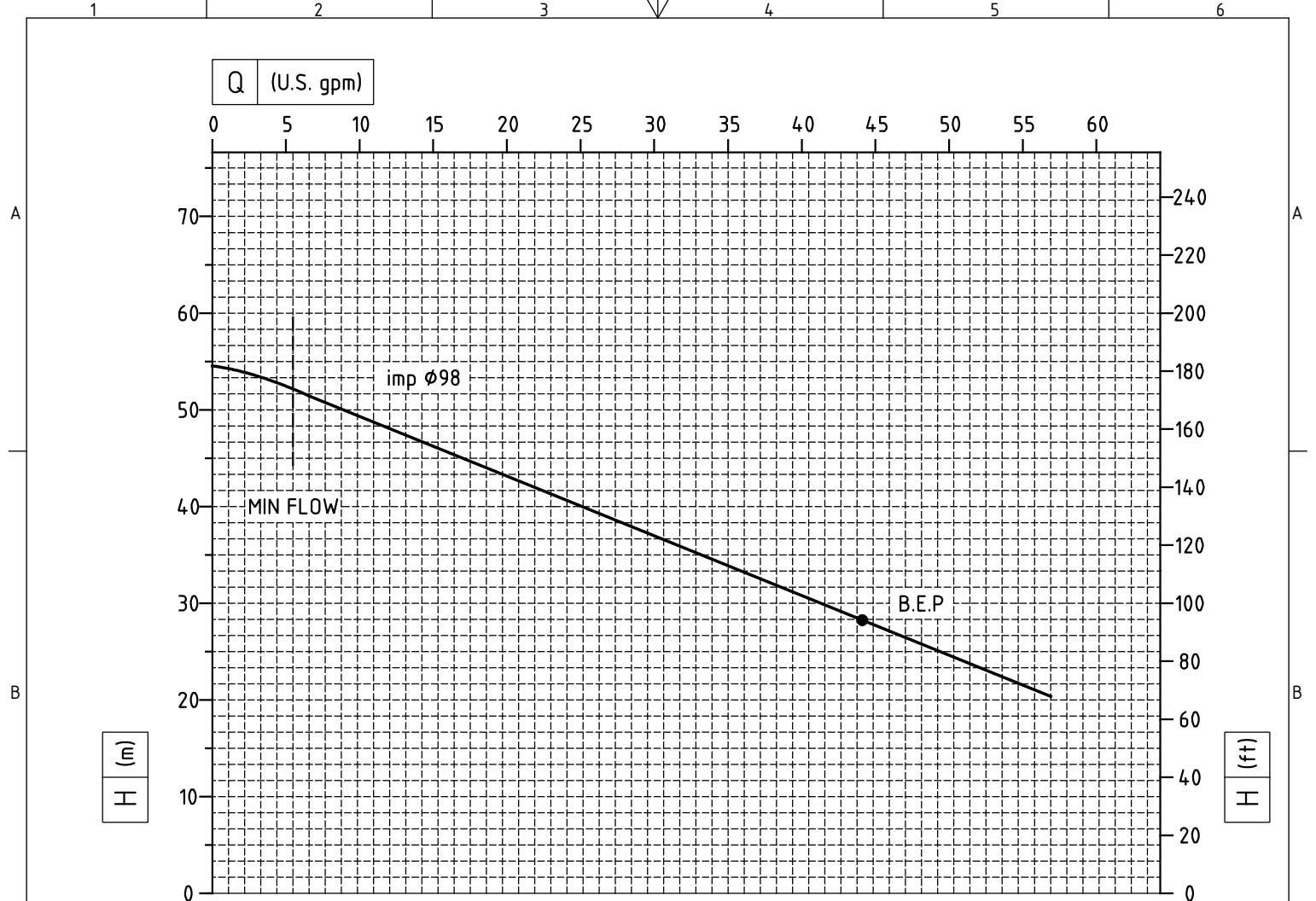
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	Typ / Type:	MT 9000
	Motor:	2900 1/min




Motor power depends on specific gravity of pumped liquid.

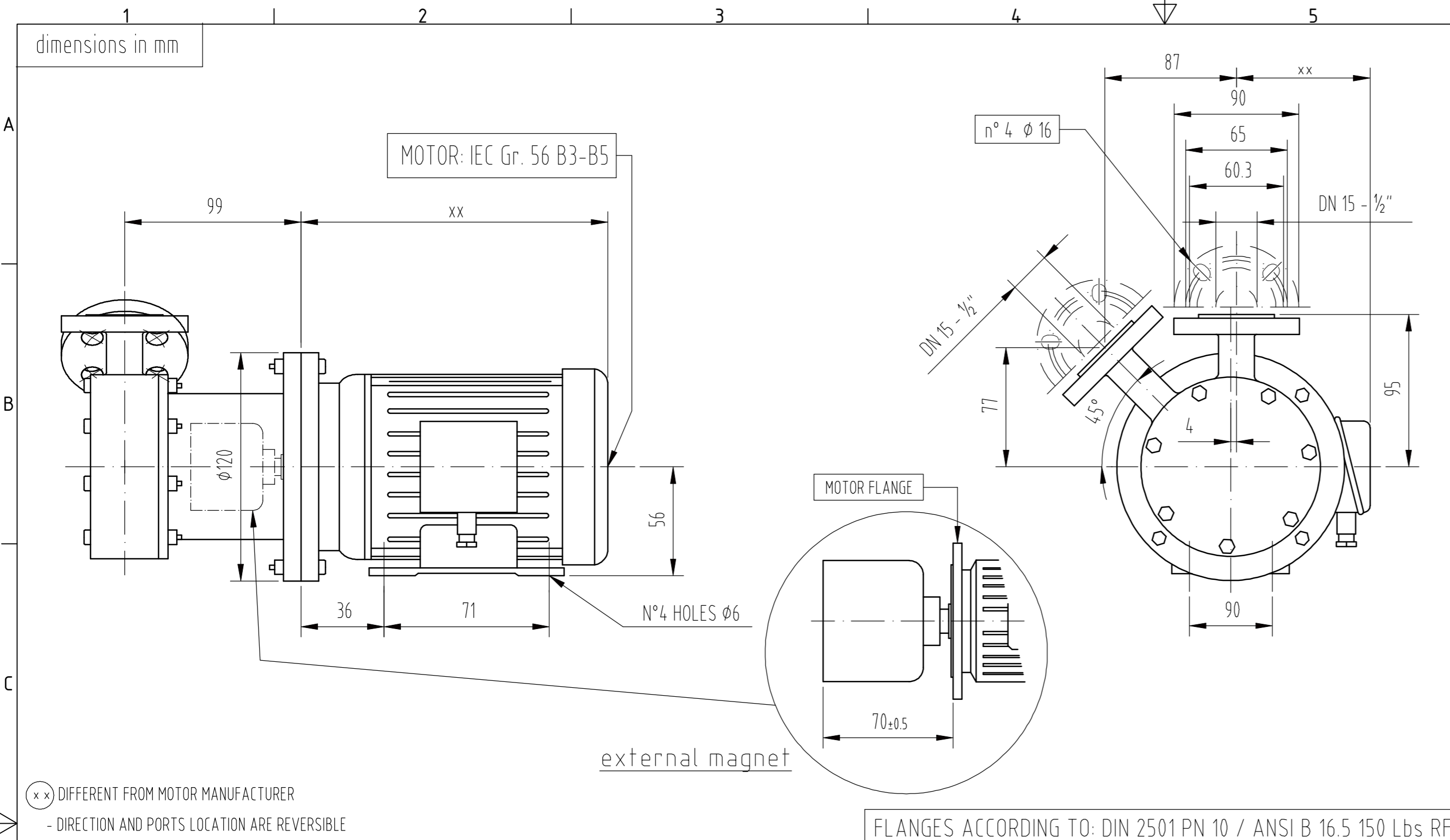
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	Typ / Type:	MT 12000
	Motor:	2900 1/min



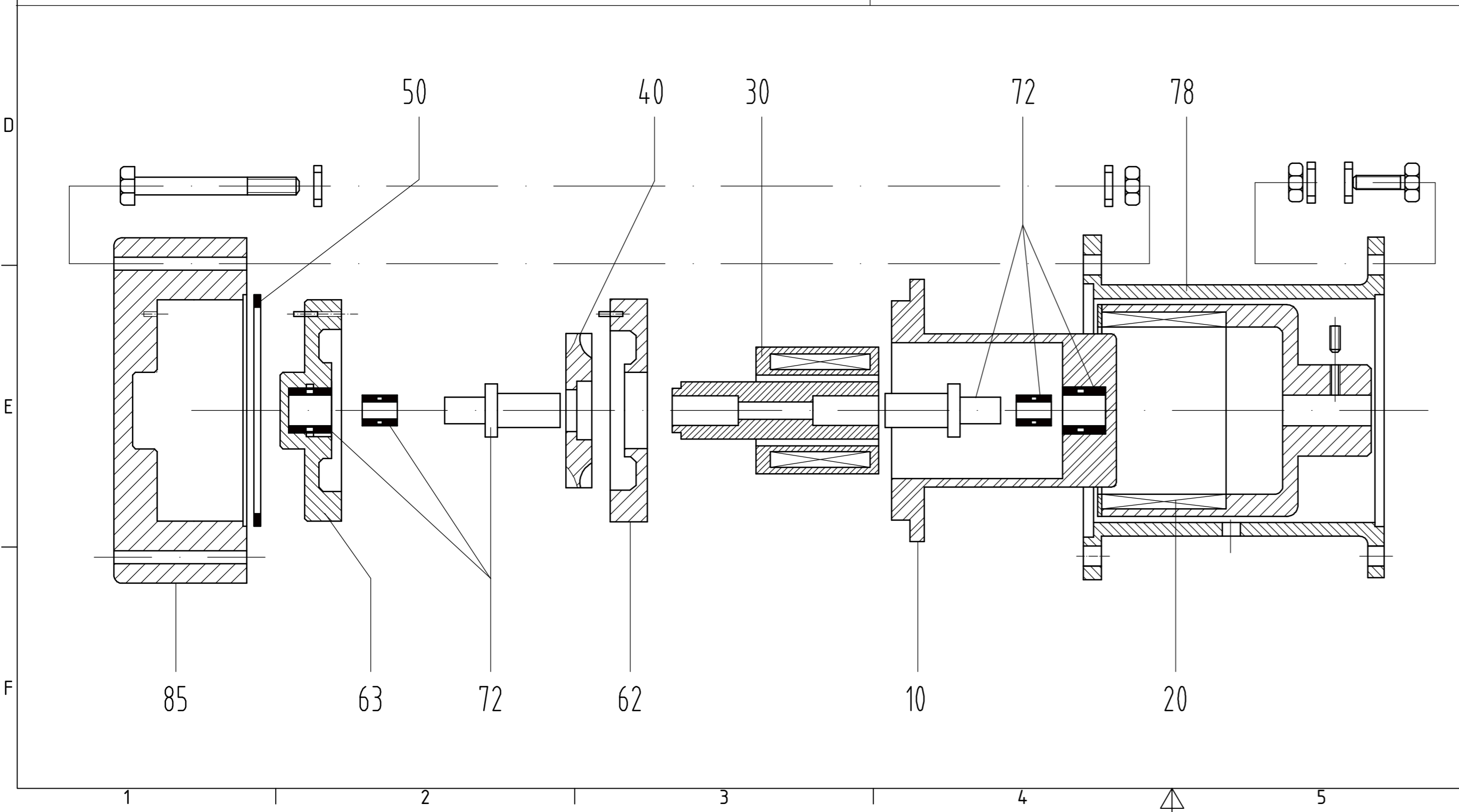


Motor power depends on specific gravity of pumped liquid.

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	Typ / Type:	MT 16000
	Motor Speed:	2900 1/min

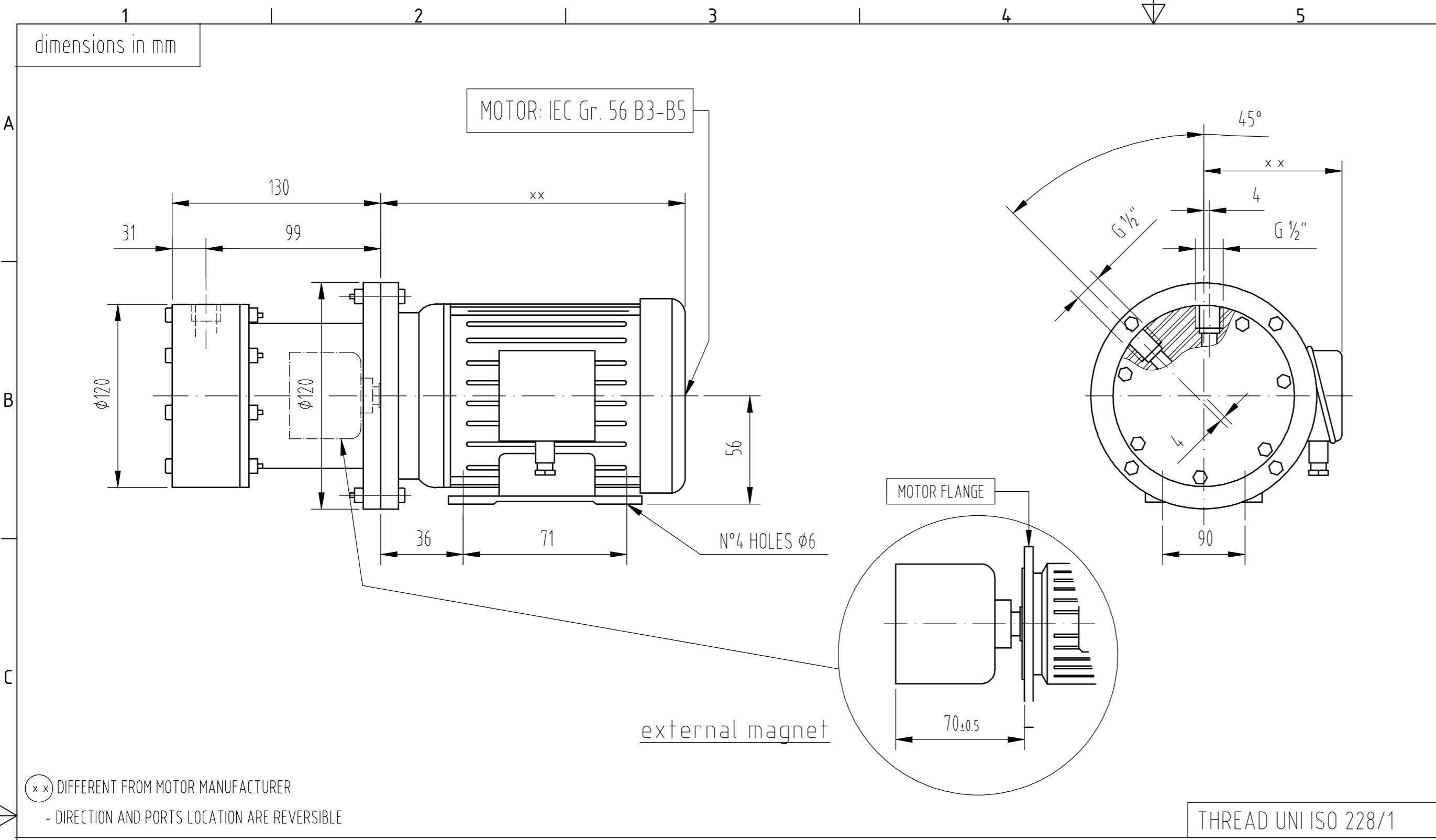


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4300 (234)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
72	PTFEC Bearings/Shafts	PTFEC	
78	Bracket (120-80-9)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+72)	/	
90	Wet End (10+30+40+50+62+63+72+85)	/	

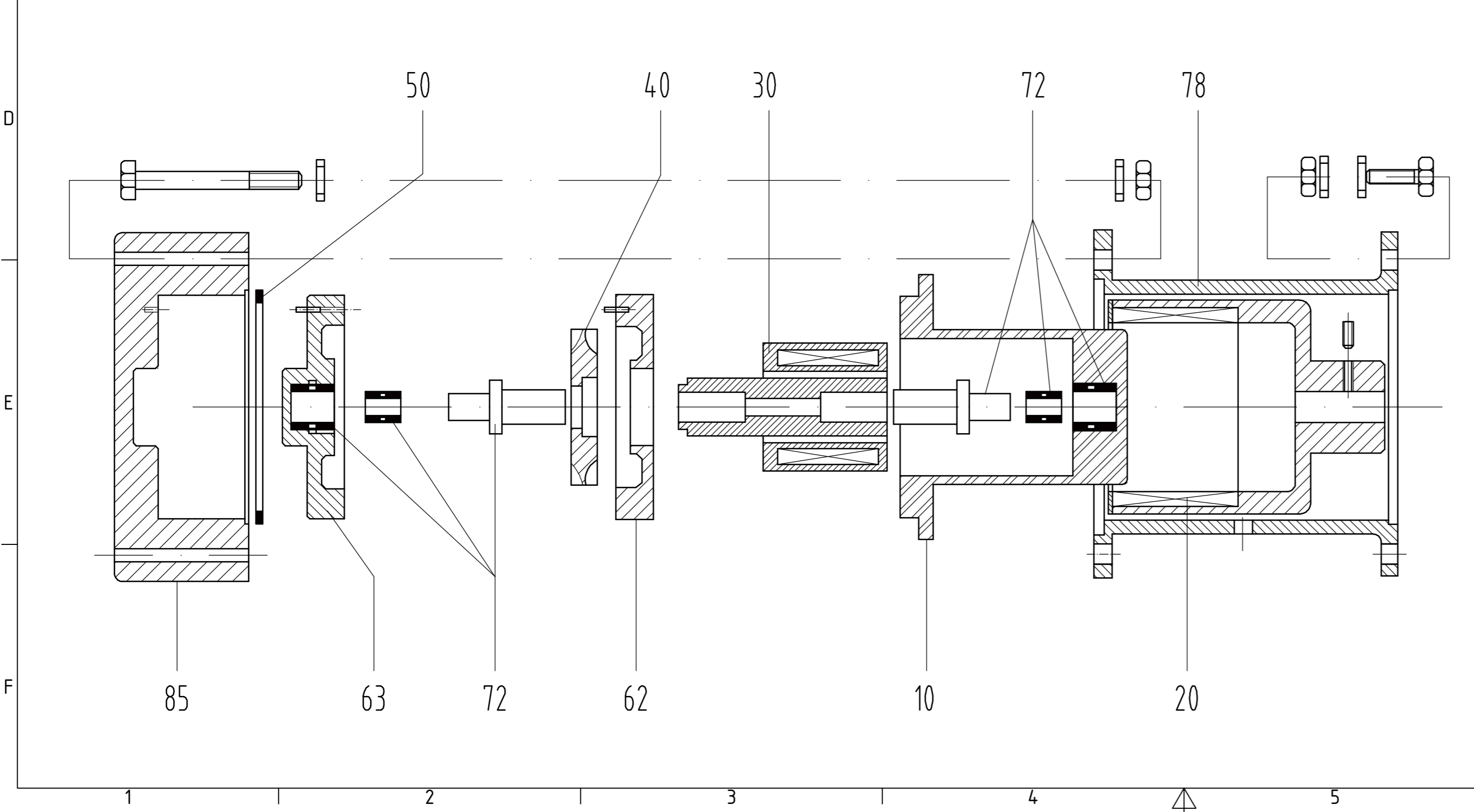


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	Gezeichnet 02.07.2019 Lach	Datum Name		Series MT MT 2002 P_F - IEC56	
DPCA-2002-P-F-IEC56				1 A2	
Status	Änderungen	Datum	Name		

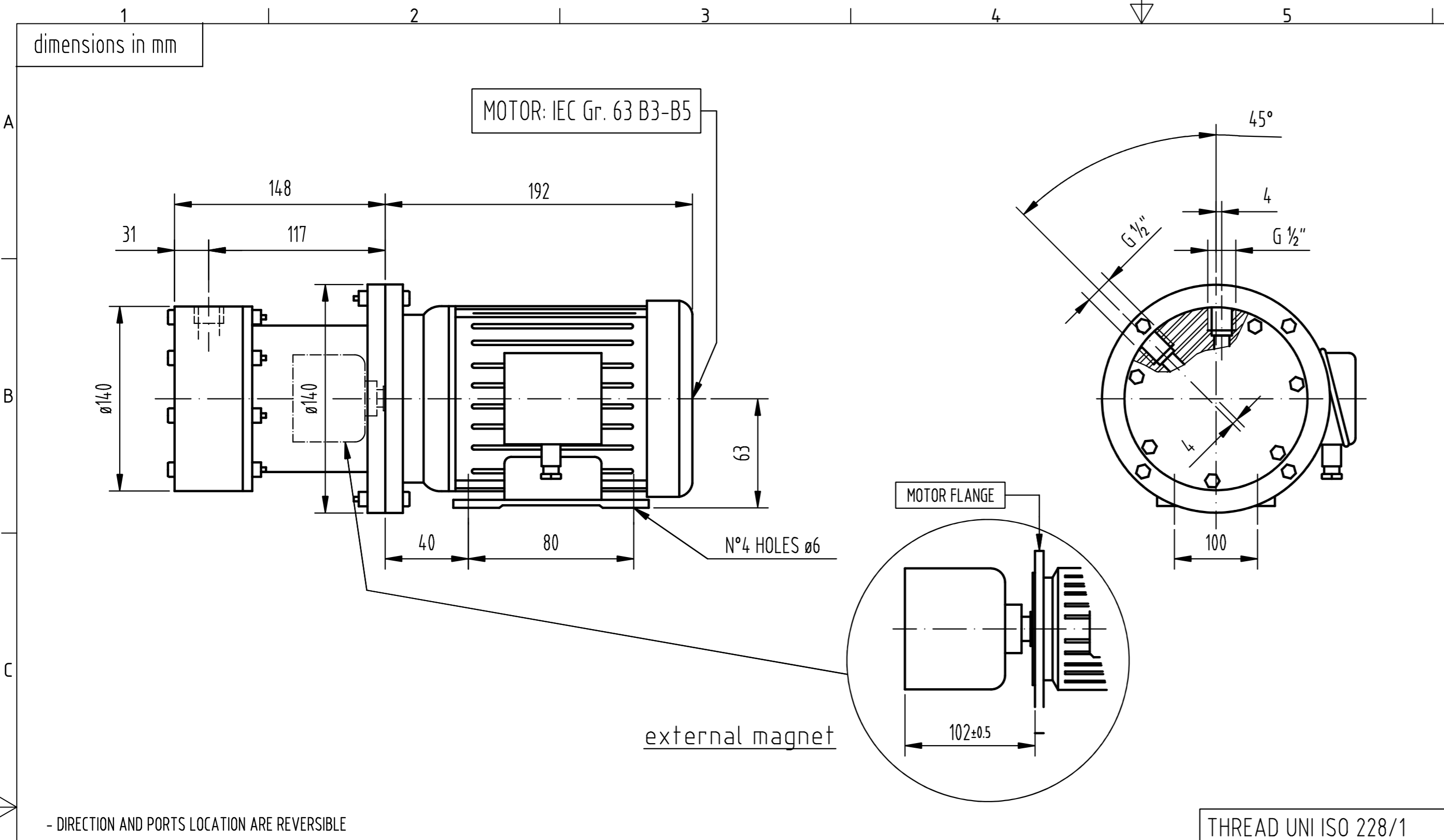


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4300 (234)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
72	PTFEC Bearings/Shafts	PTFEC	
78	Bracket (120-80-9)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+72)	/	
90	Wet End (10+30+40+50+62+63+72+85)	/	

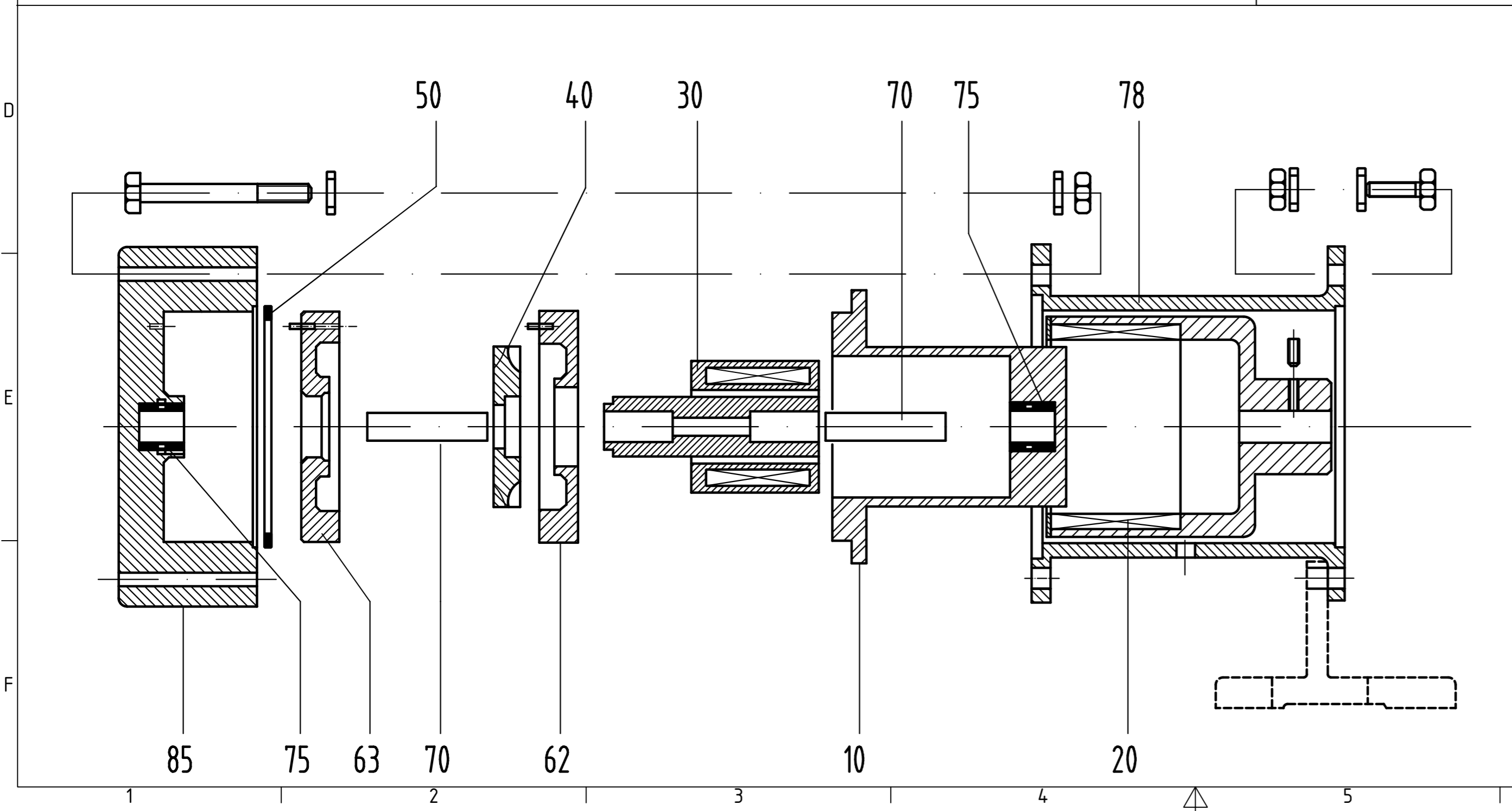


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	Gezeichnet Kontrolliert Norm	Datum 02.07.2019		Name Lach	Series MT MT 2002 P_R - IEC56
			DPCA-2002-P-R-IEC56		1 A2
Status	Änderungen	Datum	Name		

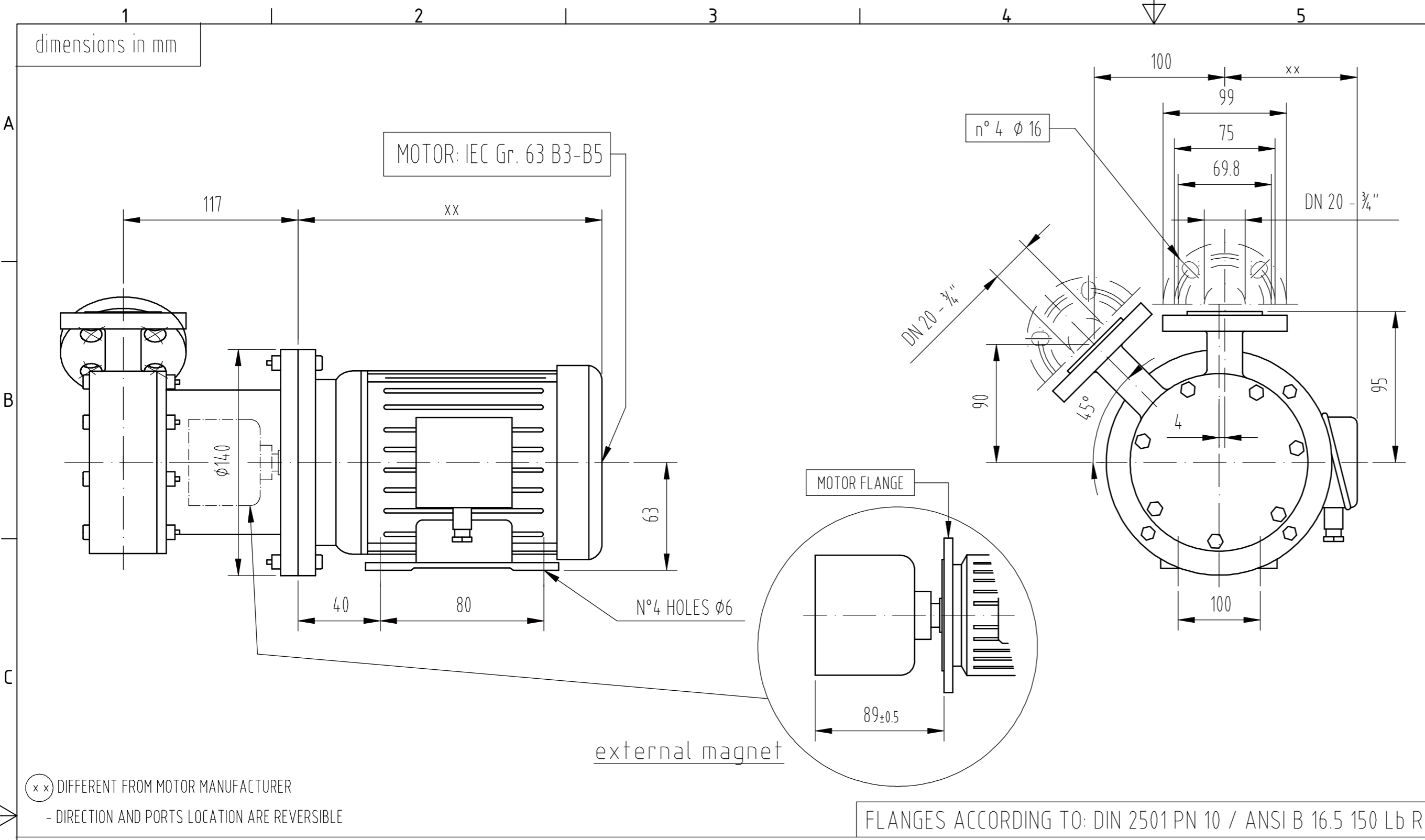


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (140-95-11)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

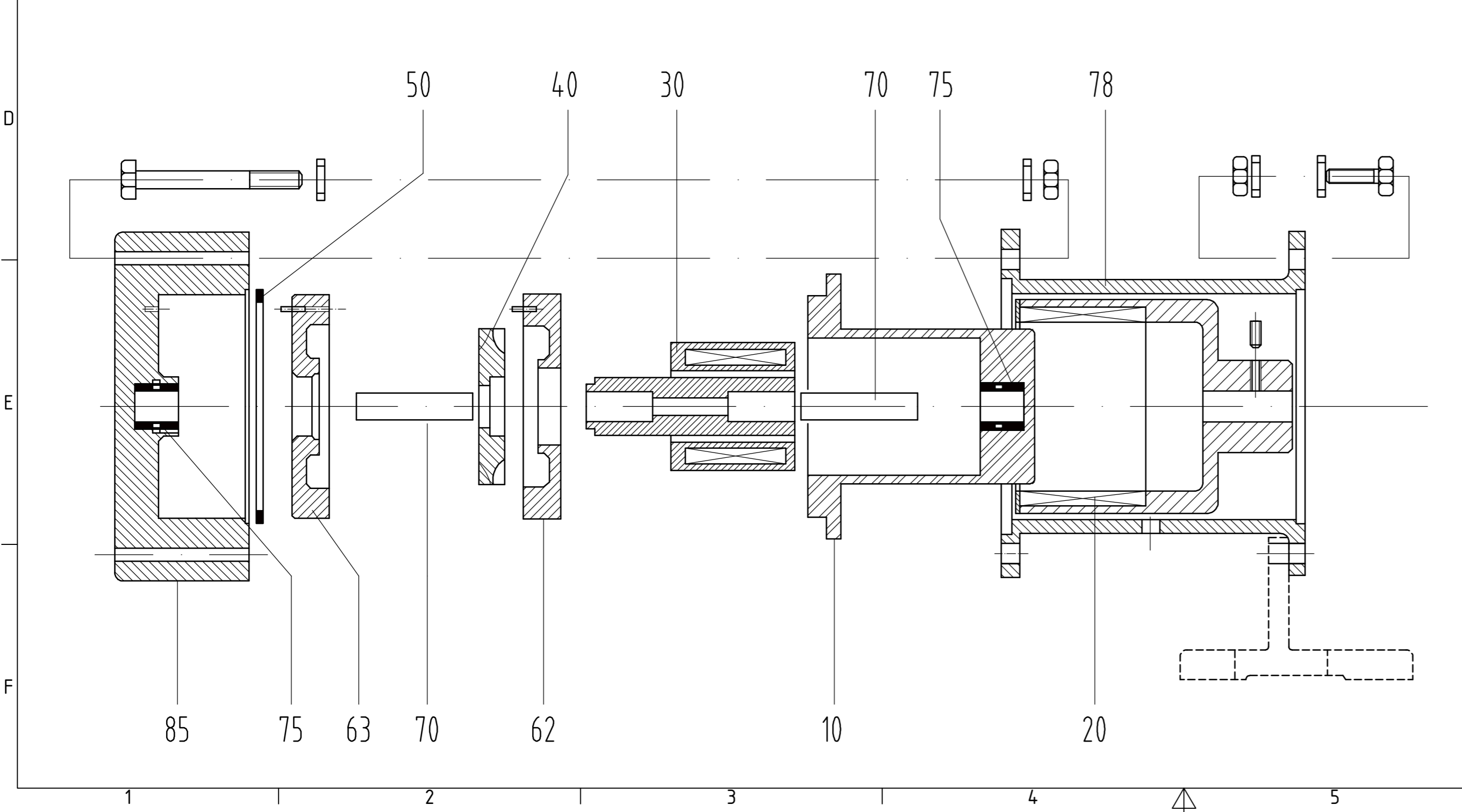


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DPCA-2003-P-R-IEC63			1 A2		
Status	Änderungen	Datum	Name		



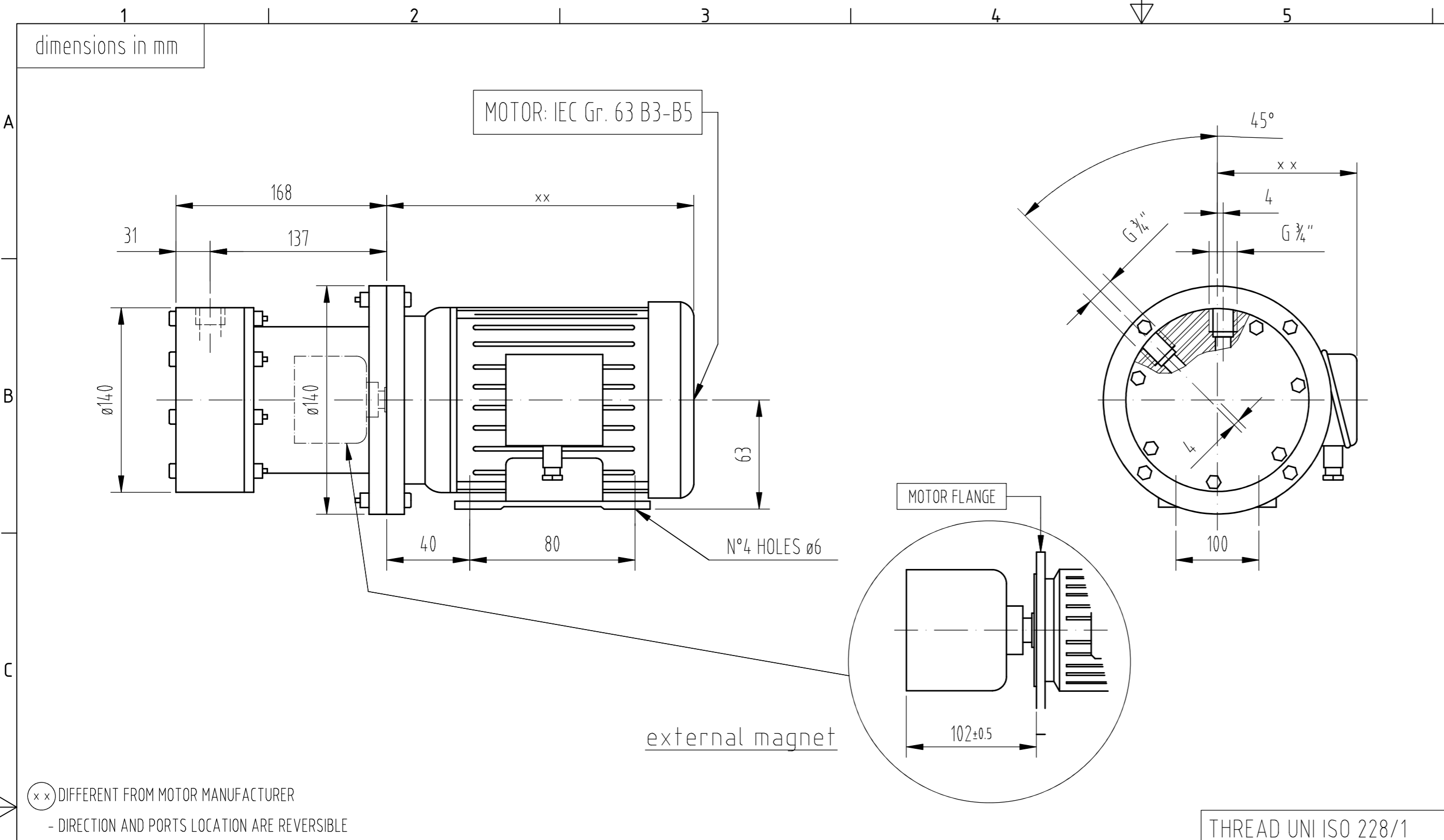
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (140-95-11)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



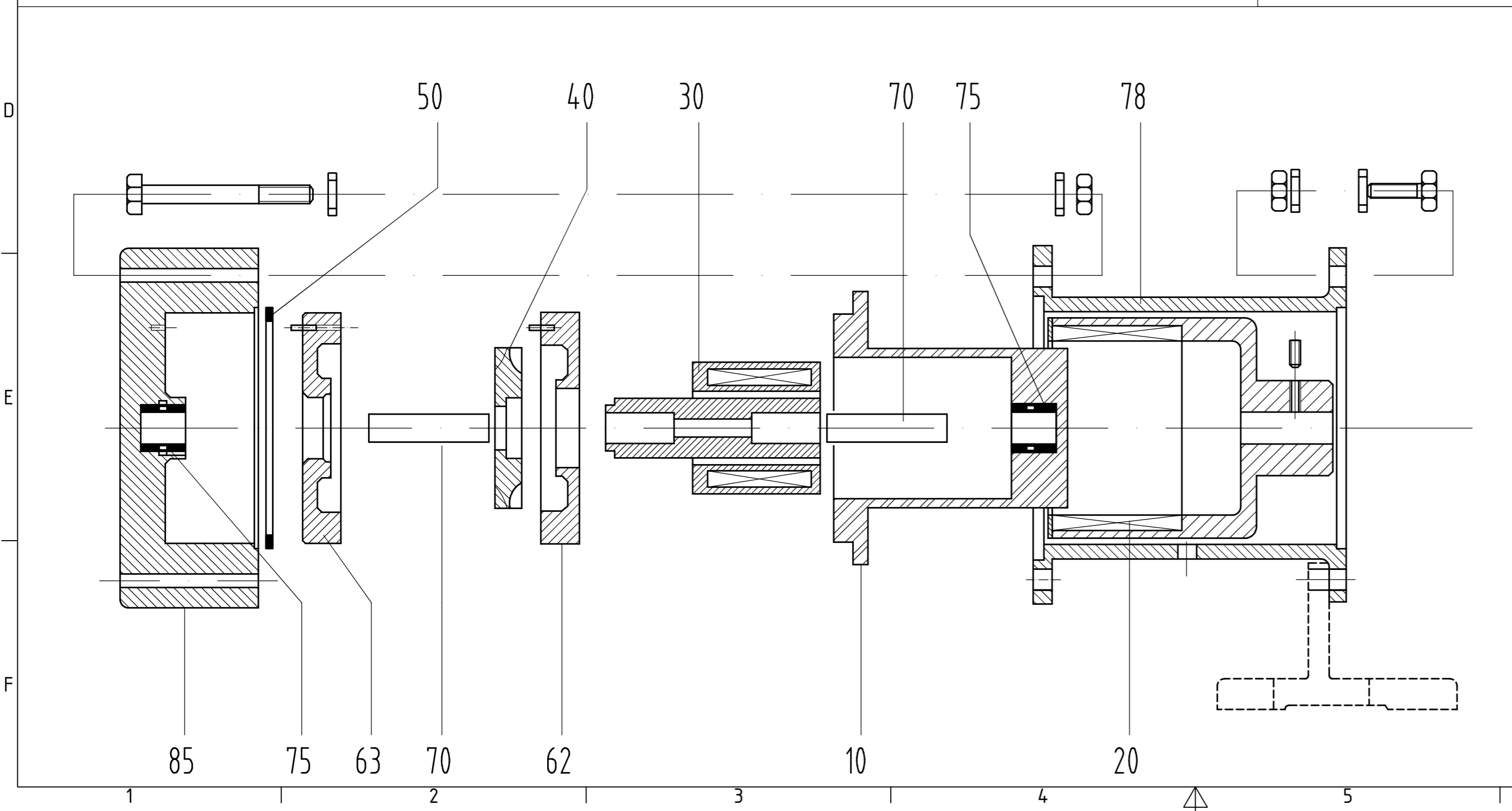
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			Alle Kanten gratfrei	
		Datum	Name	
		Gezeichnet	02.07.2019	Lach
		Kontrolliert		
		Norm		
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Status	Änderungen	Datum	Name	



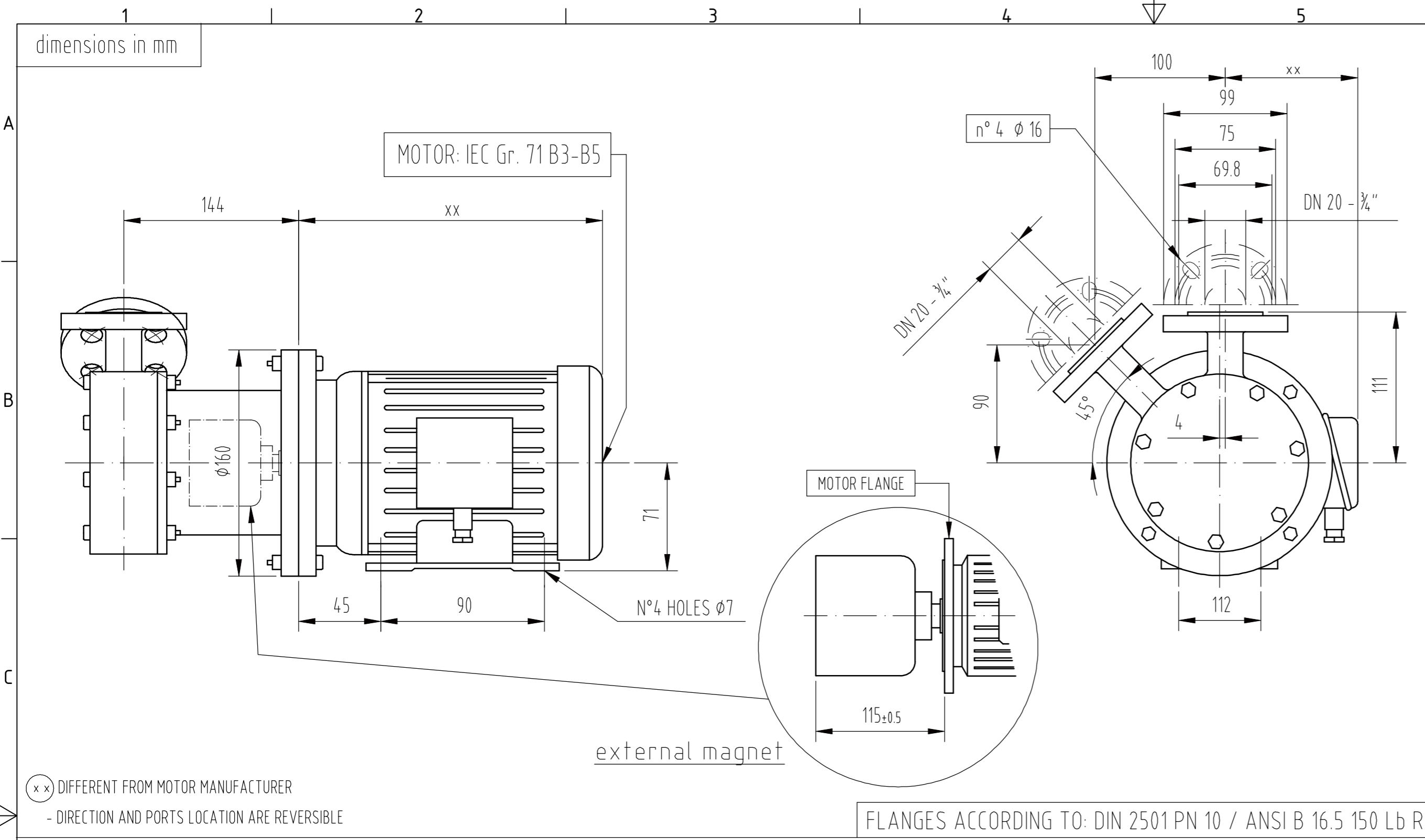


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP / PVDF	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet		
40	Impeller	PVDF	
50	O-Ring 4362 (239)		
62	Rear Ring	PP / PVDF	
63	Front Ring	PP / PVDF	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (140-95-11)	PP / PVDF	
85	Pump Casing	PP / PVDF	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

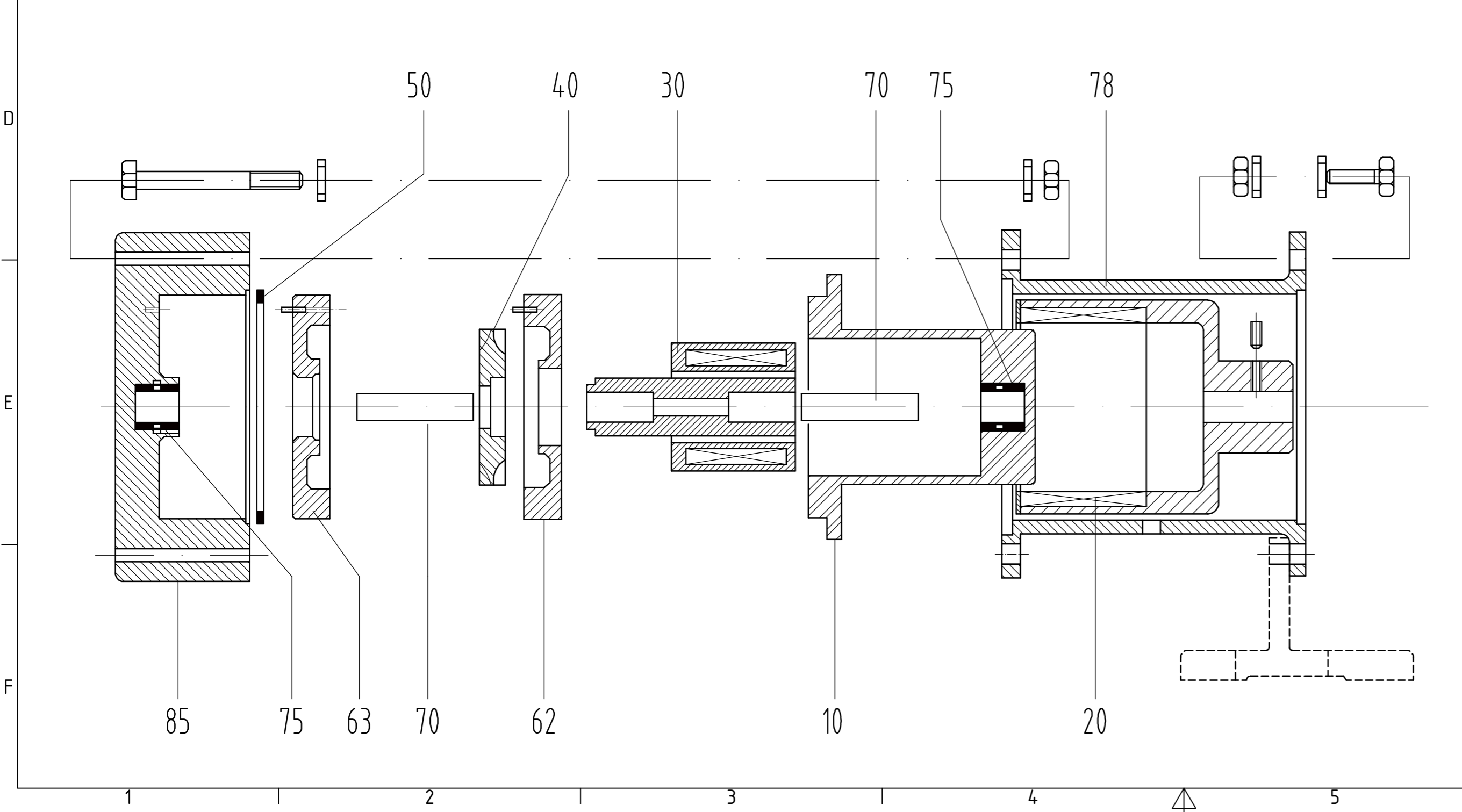


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			Alle Kanten gratfrei			
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Status	Änderungen	Datum	Name			

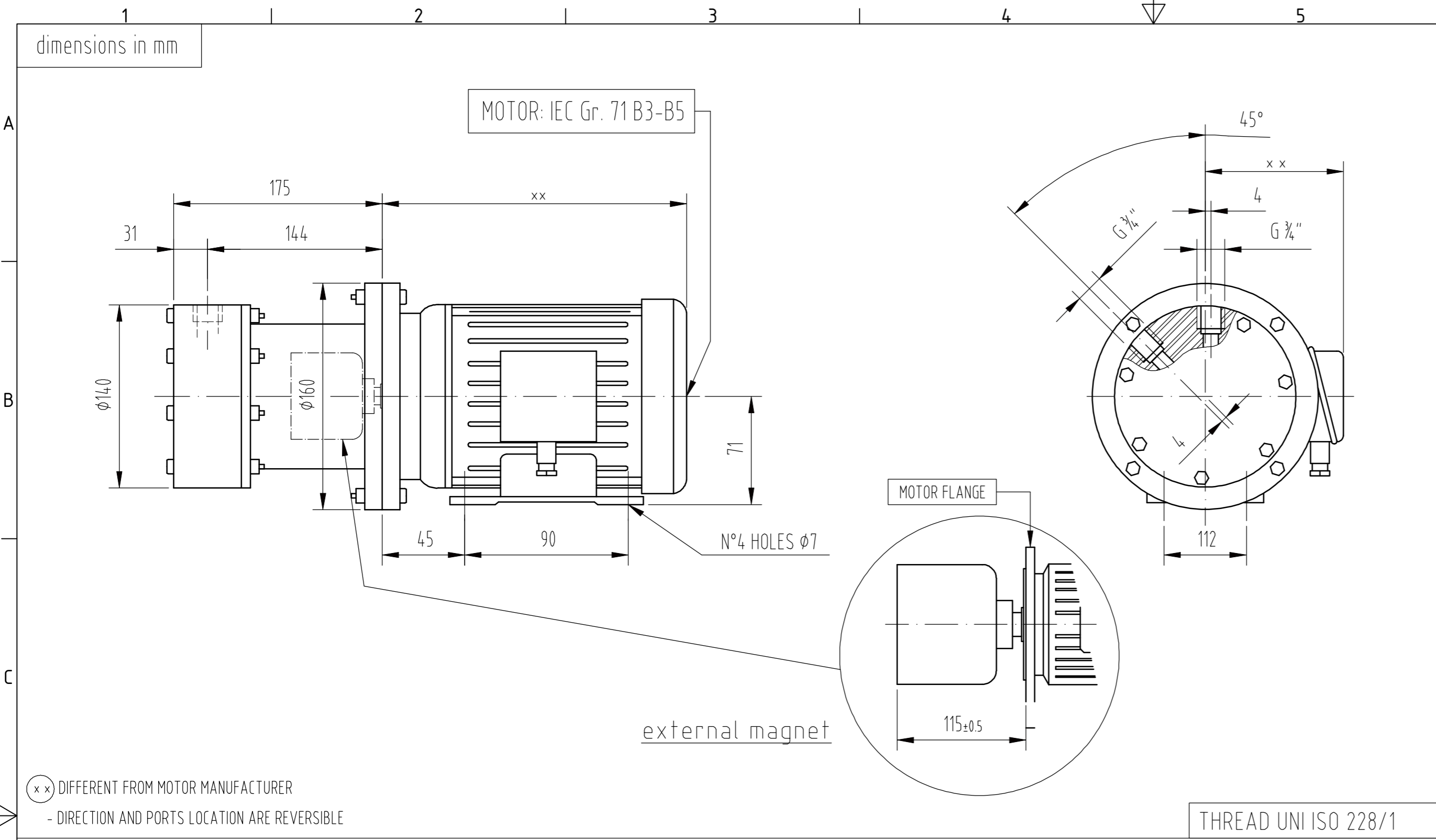


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (160-110-14)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



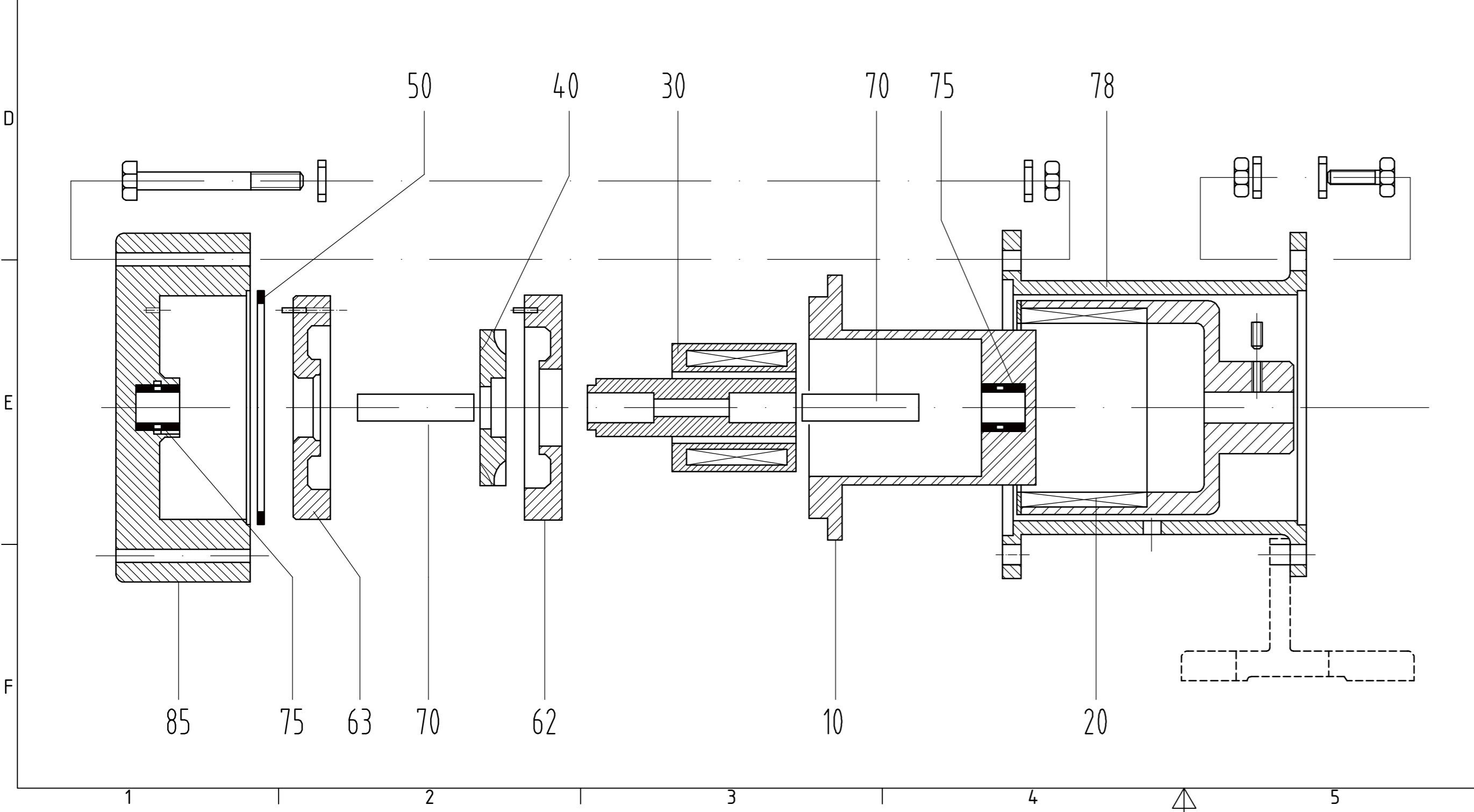
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			Alle Kanten gratfrei			
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Status	Änderungen	Datum	Name	A2		



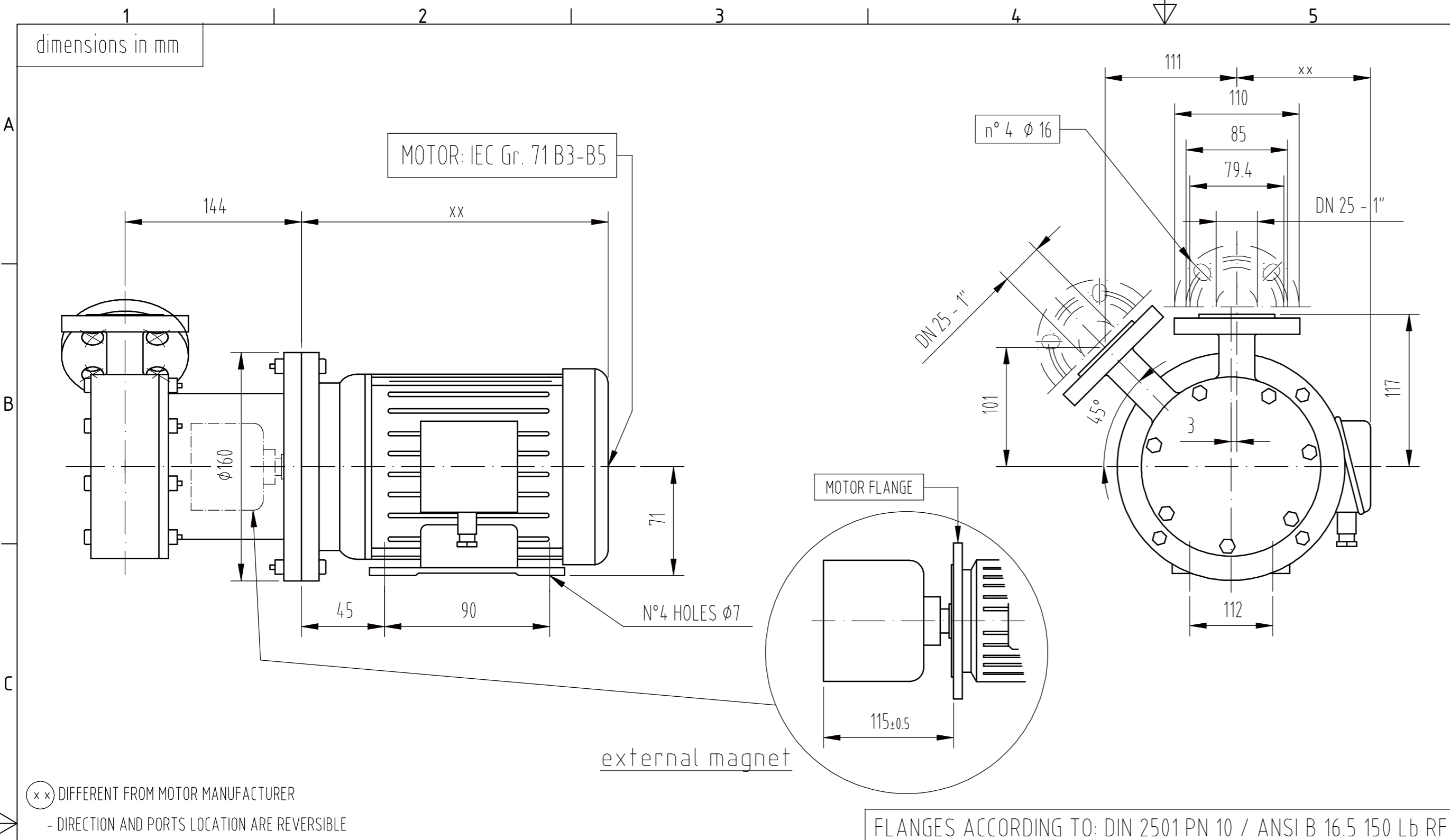
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (160-110-14)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

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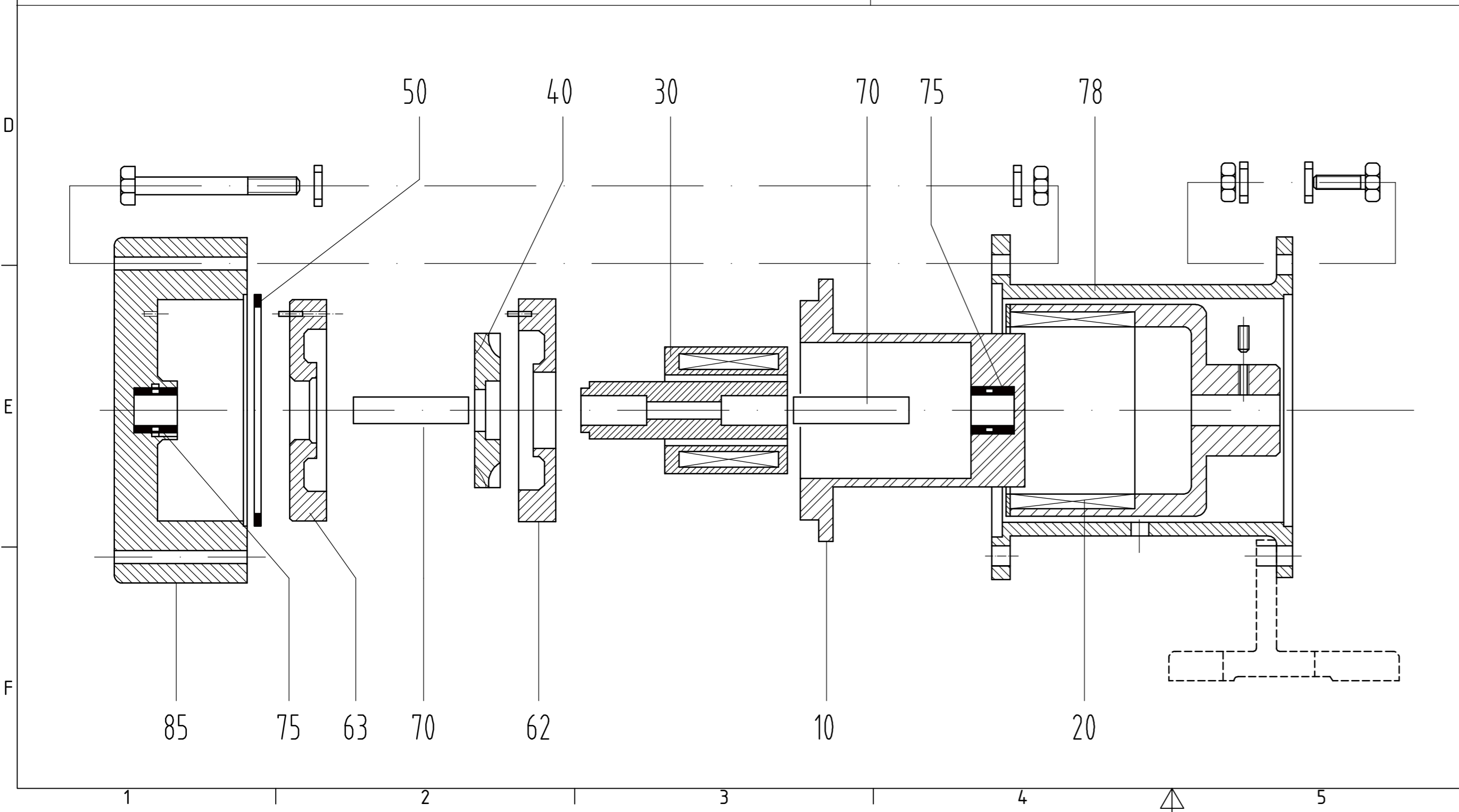
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	Gezeichnet 02.07.2019	Datum 02.07.2019		Name Lach	Series MT MT 3003 P_R - IEC71
DPCA-3003-P-R-IEC71			1 A2		
Status	Änderungen	Datum	Name		



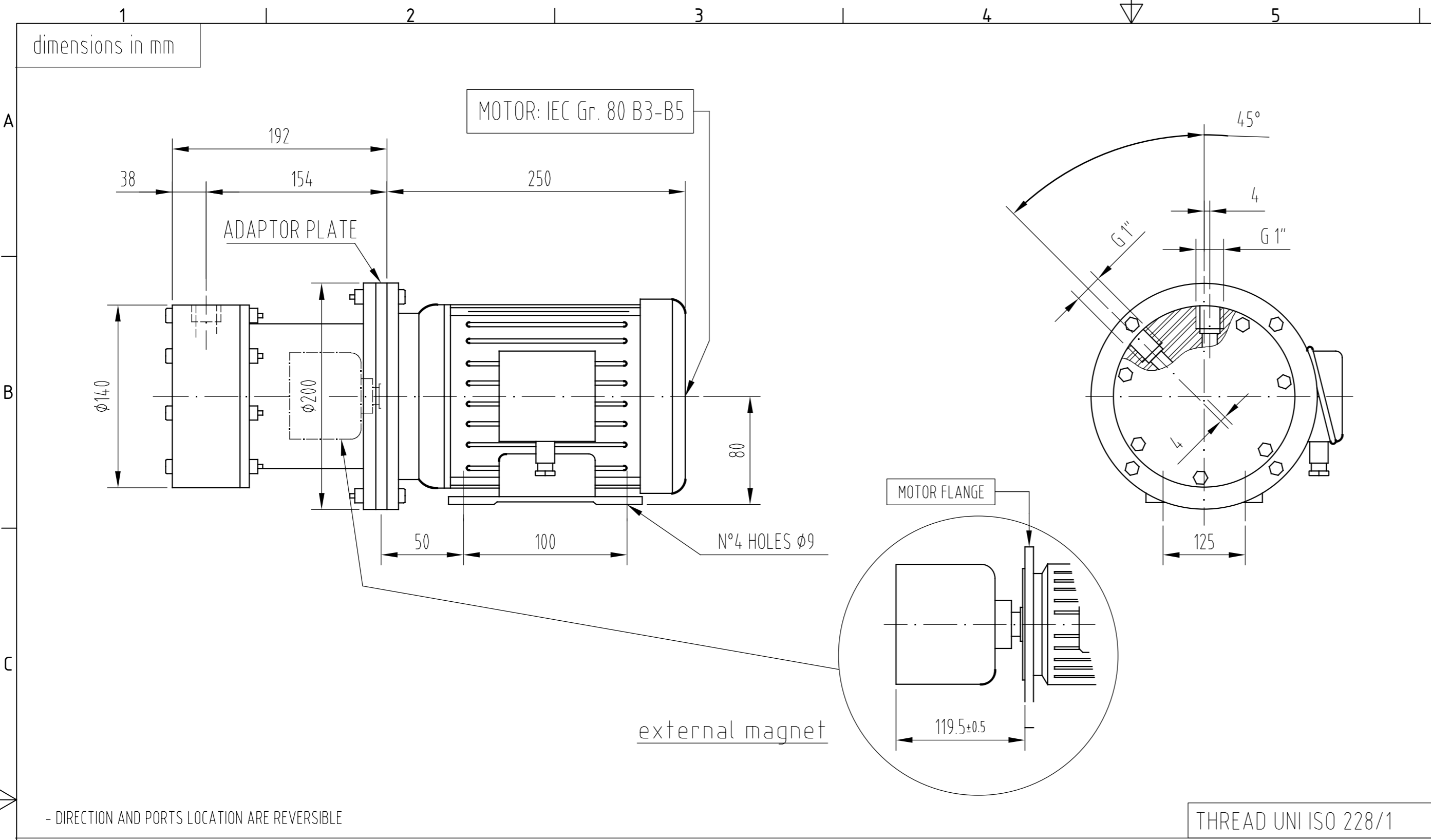
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (160-110-14)	PP	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

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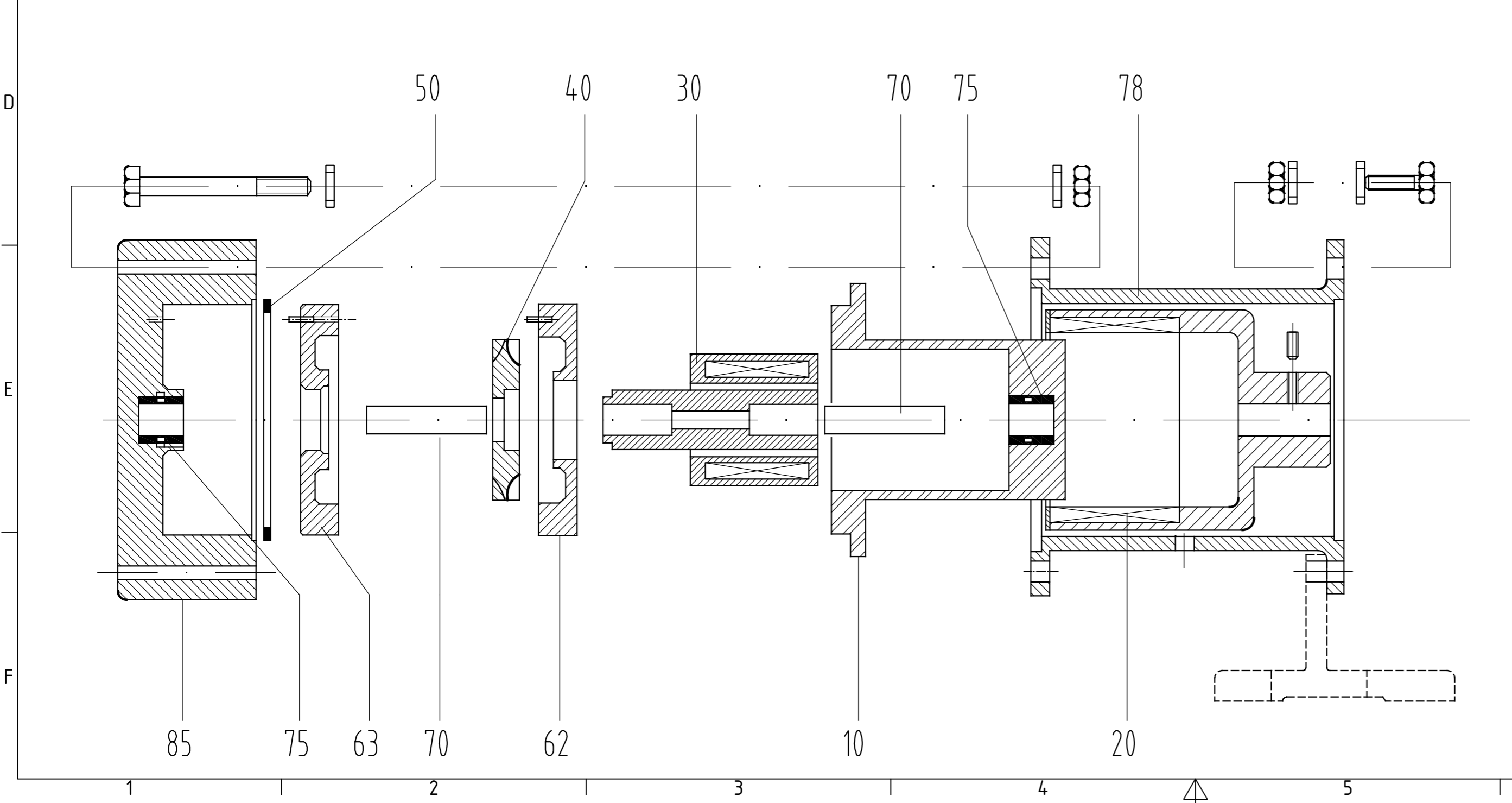


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			Alle Kanten gratfrei			
		Datum	Name	Series MT MT 5002 P_F - IEC71 DPCA-5002-P-F-IEC71		
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Status	Änderungen	Datum	Name	A2		



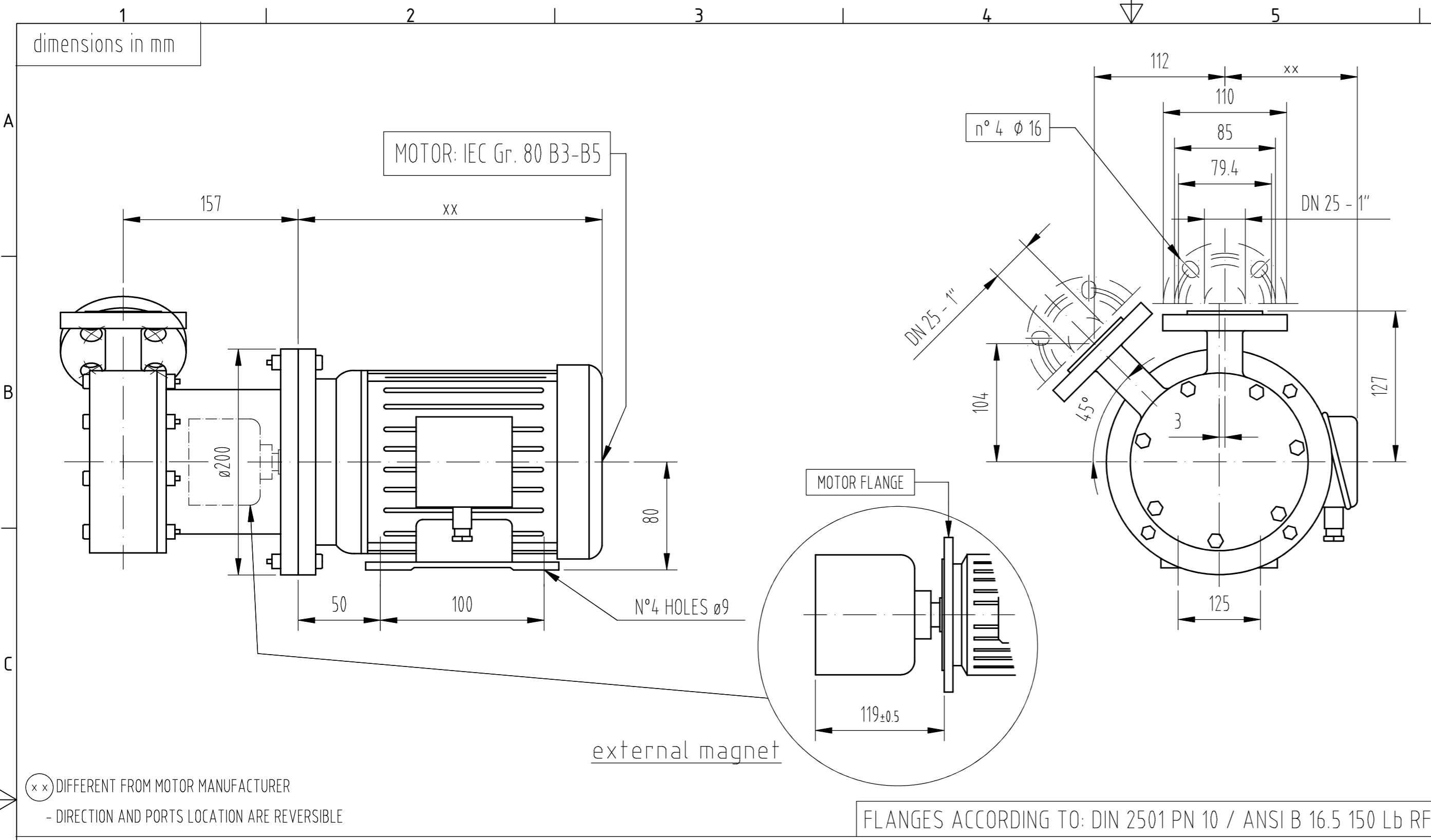
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4362 (239)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	SIC	
75	Bearings	PTFEC	
78	Bracket + Adaptor Plate (200-130-19)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



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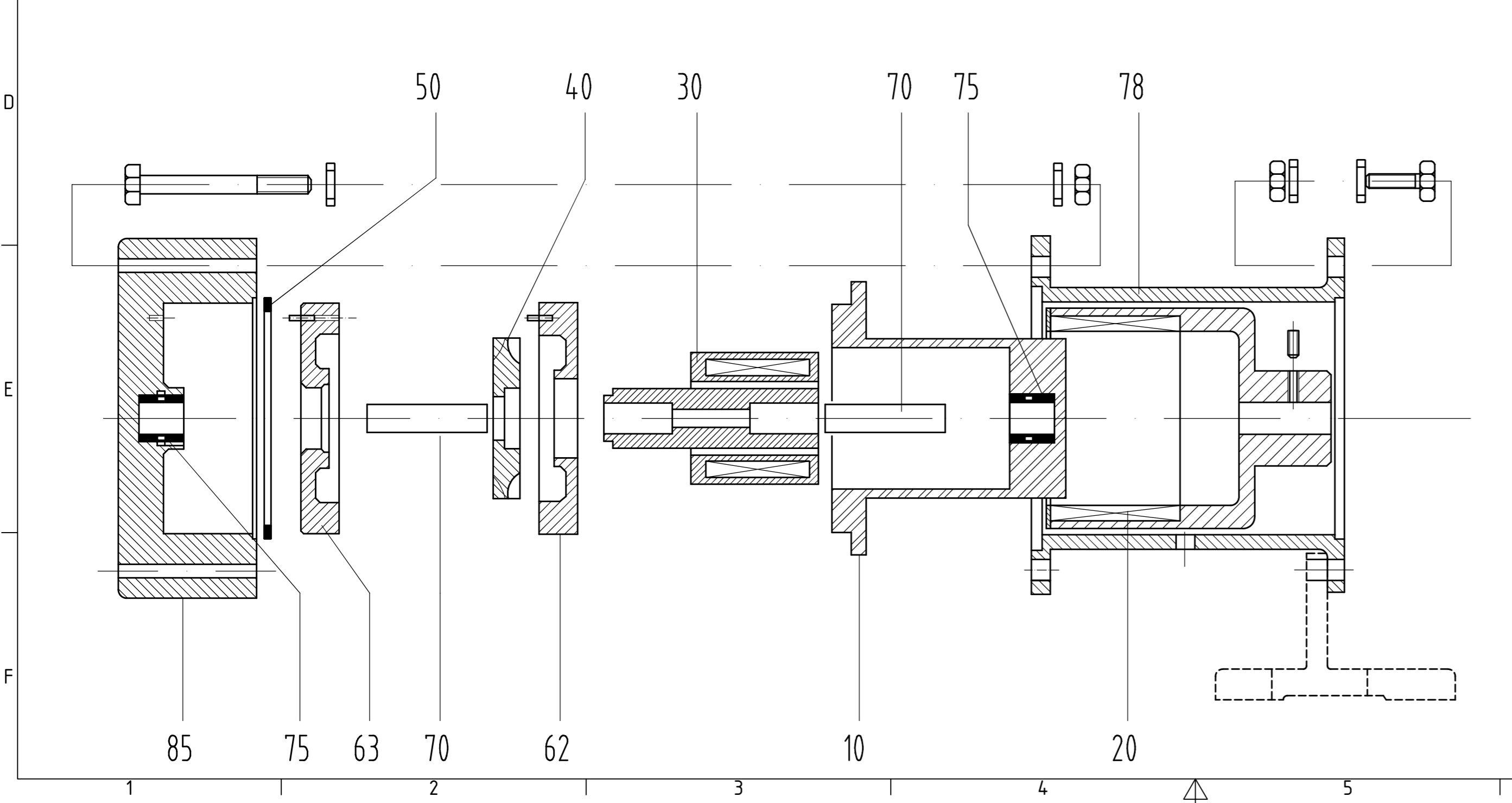
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Status	Änderungen	Datum	Name		





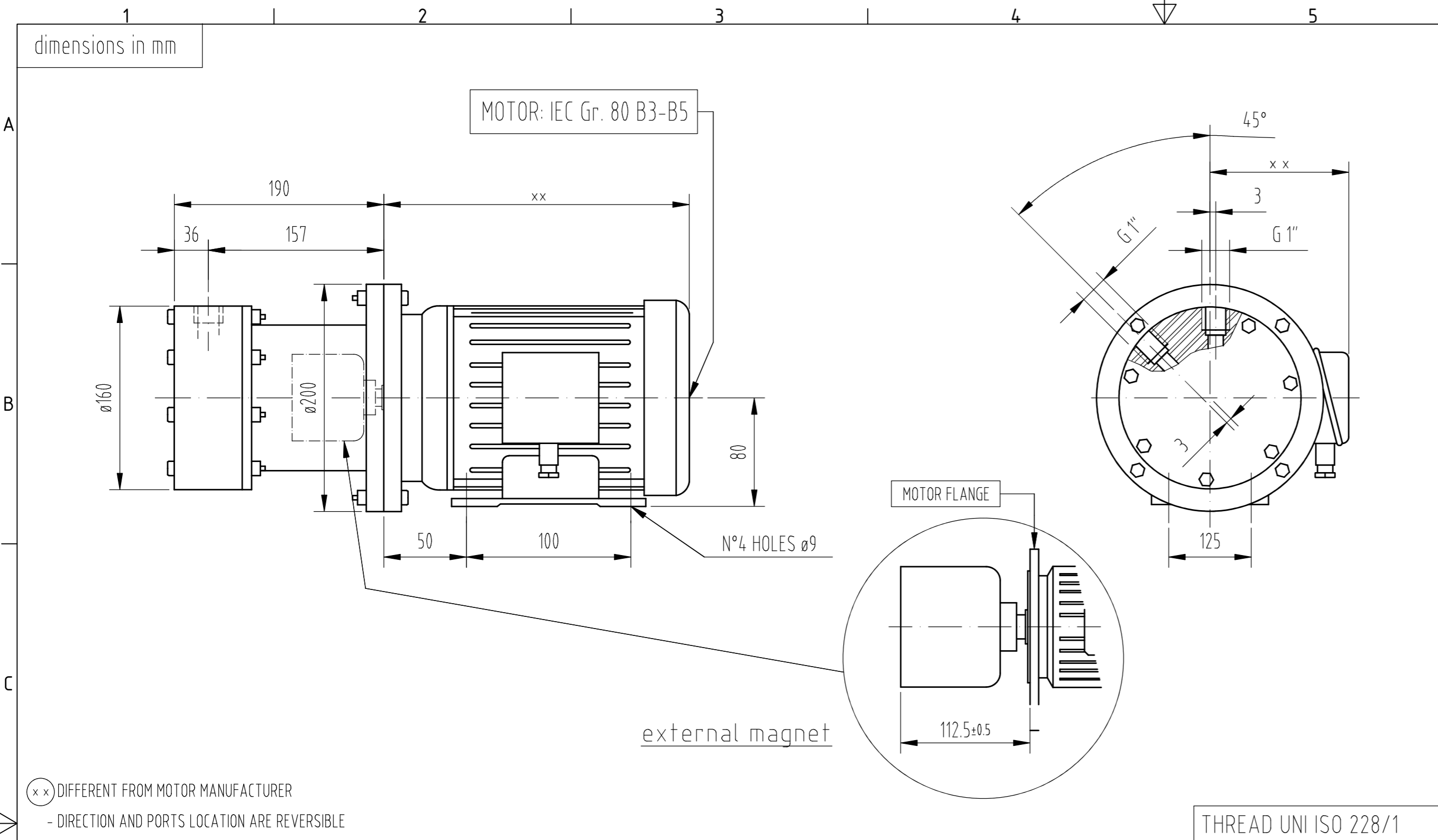
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4412 (243)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (200-130-19)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

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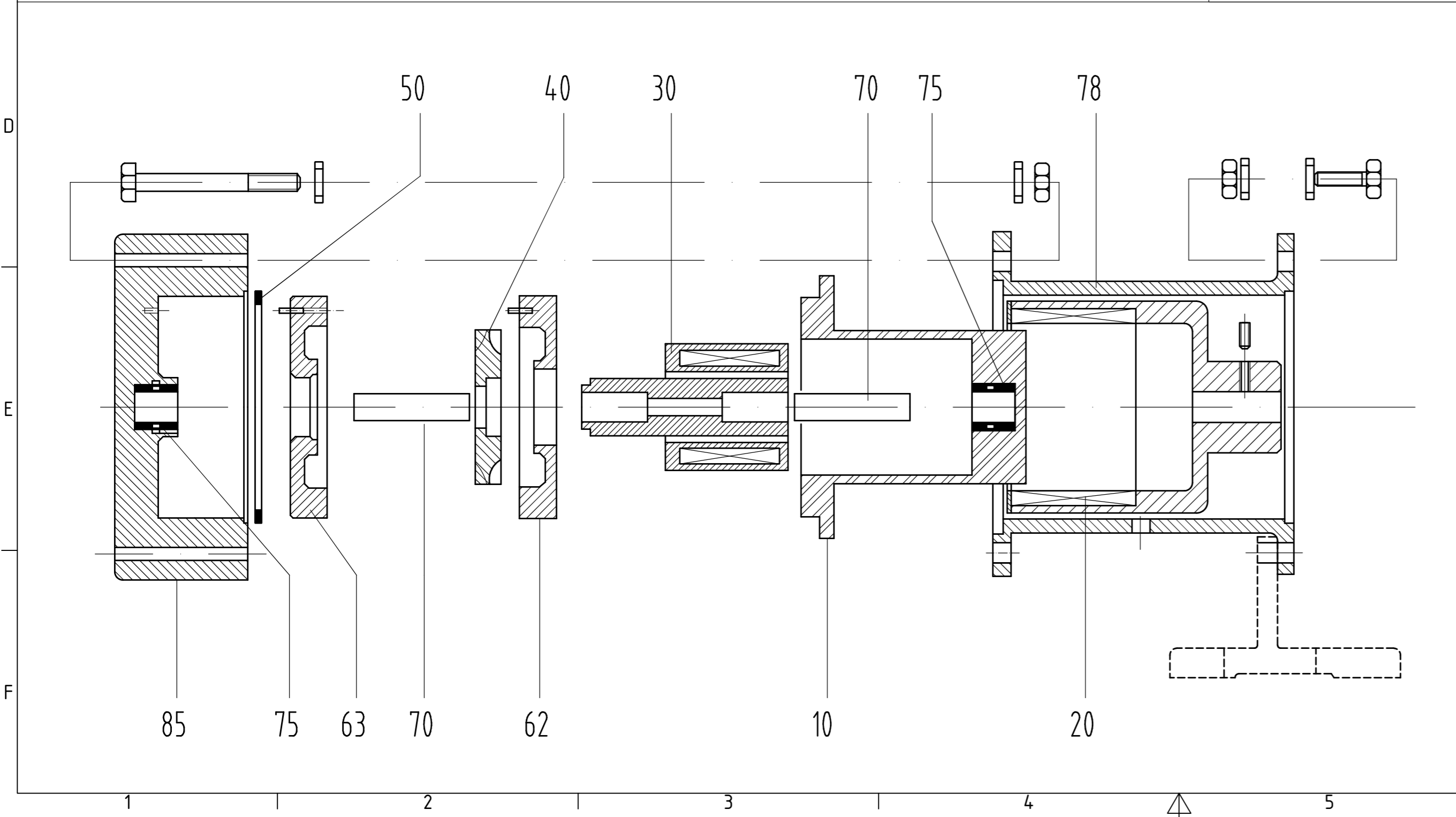
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	Gezeichnet Kontrolliert Norm	Datum 02.07.2019		Name Lach	Series MT MT 5003 P_F - IEC80
DPCA-5003-P-F-IEC80			1 A2		
Status	Änderungen	Datum	Name		



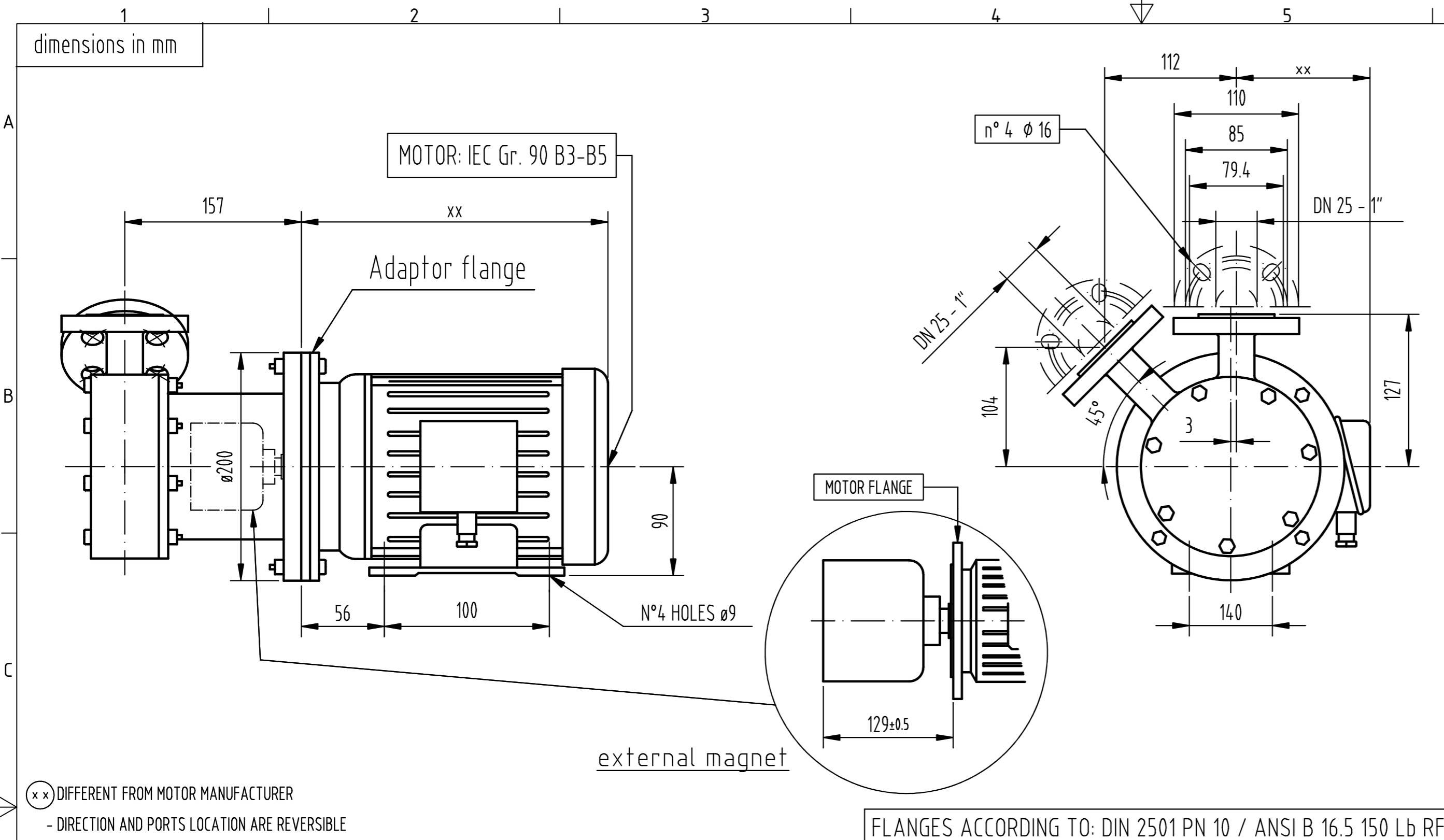
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell		
20	Ext. Magnet		
30	Int. Magnet		
40	Impeller		
50	O-Ring 4412 (243)		
62	Rear Ring		
63	Front Ring		
70	Shafts		
75	Bearings		
78	Bracket (200-130-19)		
85	Pump Casing		
88	Rear Wet End (10+30+40+50+62+63+70+75)		
90	Wet End (10+30+40+50+62+63+70+75+85)		

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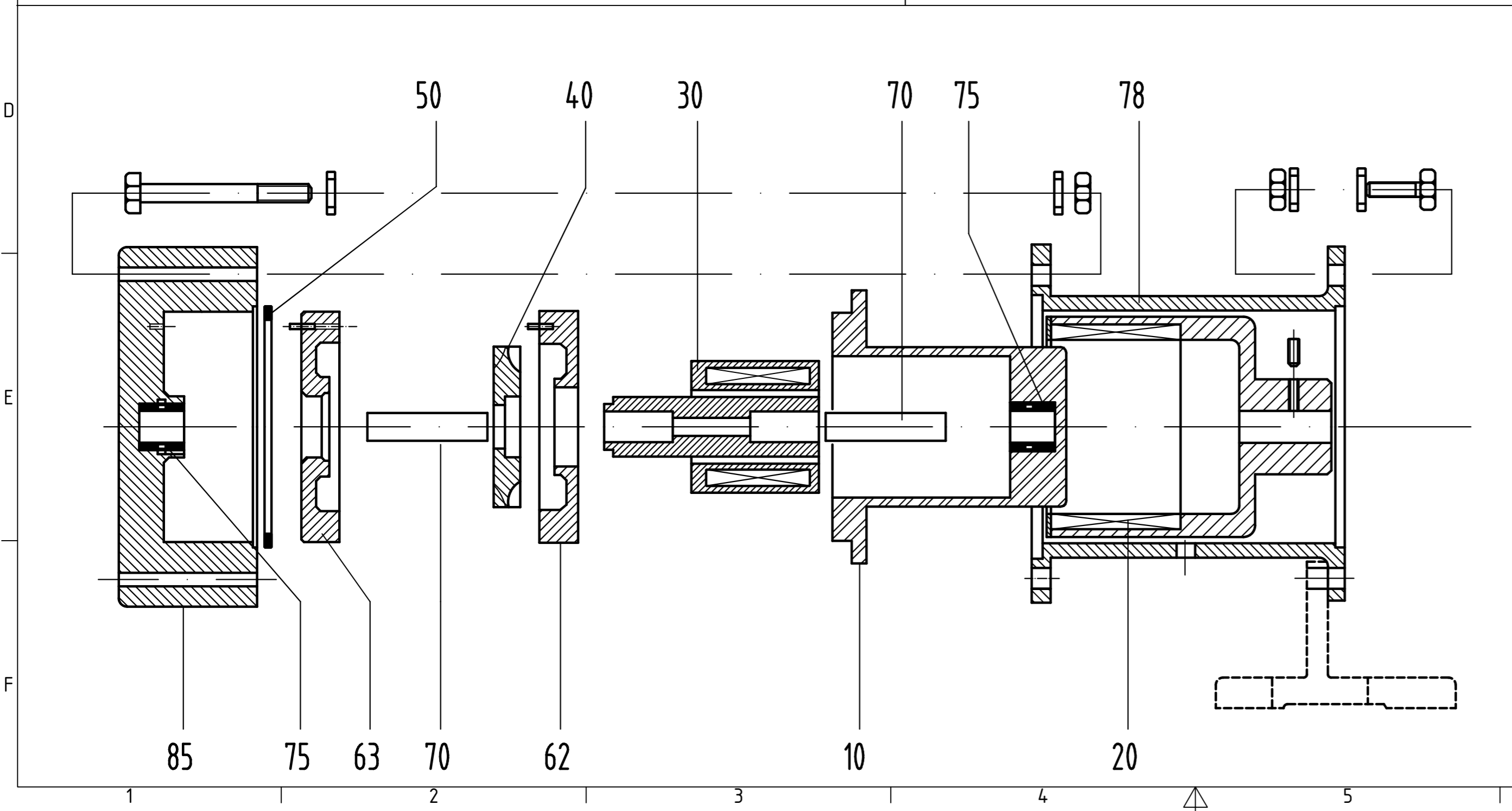
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Status	Änderungen	Datum	Name			



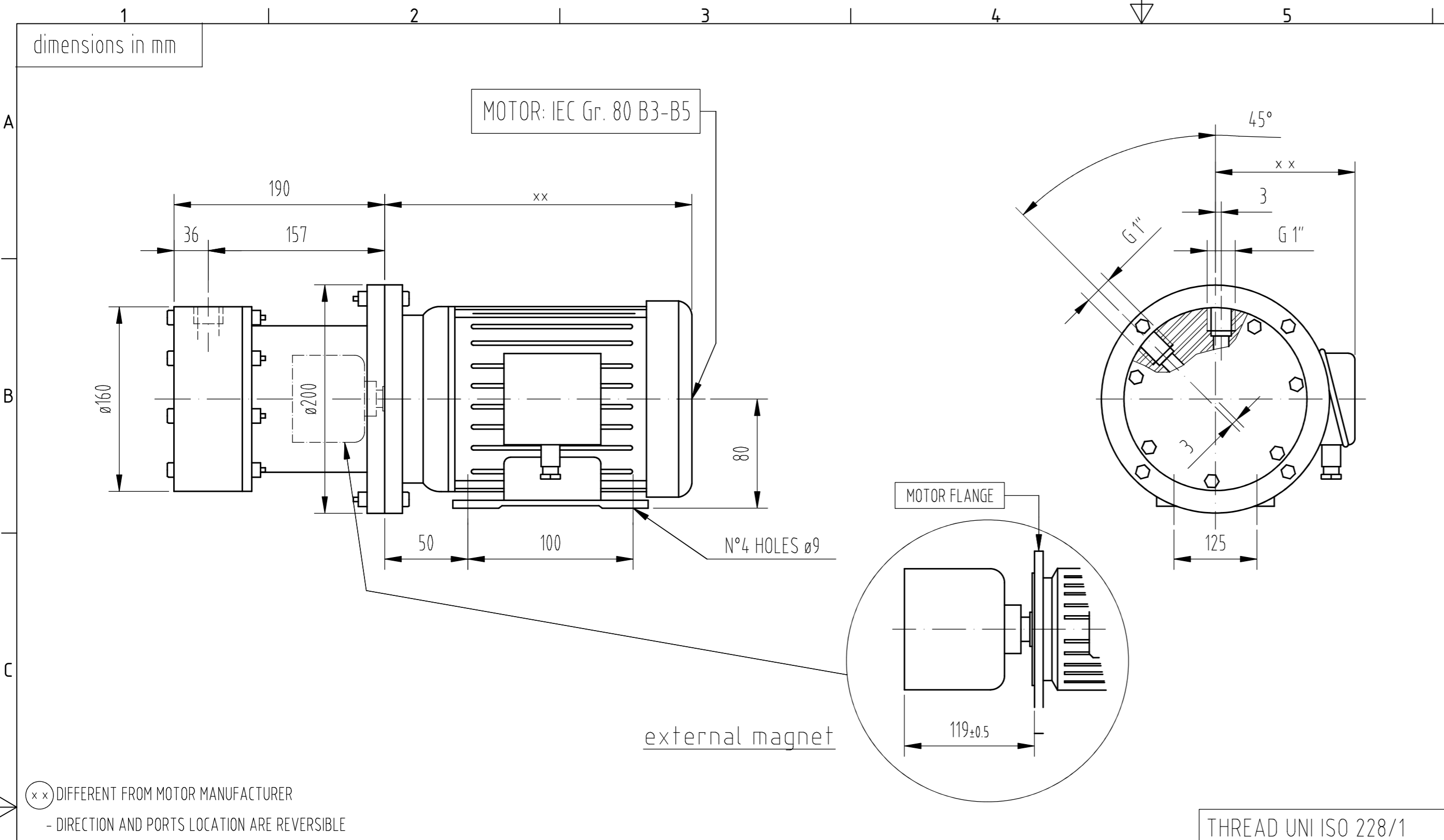
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4412 (243)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	SIC	
75	Bearings	PTFEC	
78	Bracket + Adaptor flange (200-130-24)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

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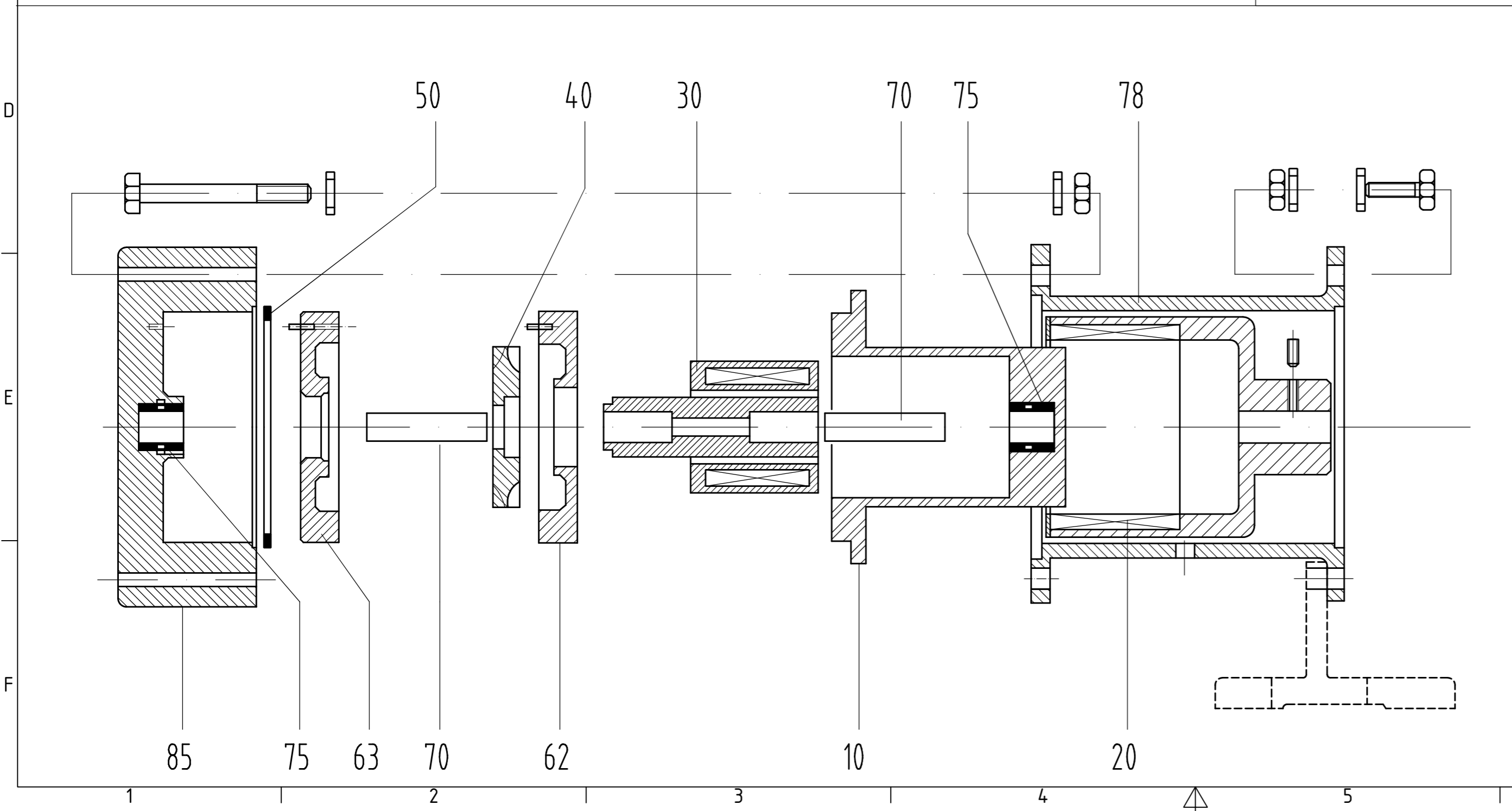
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		Gezeichnet	02.07.2019			Lach
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		Norm				
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					A2	
Status	Änderungen	Datum	Name			



REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell	PP	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4412 (243)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (200-130-19)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

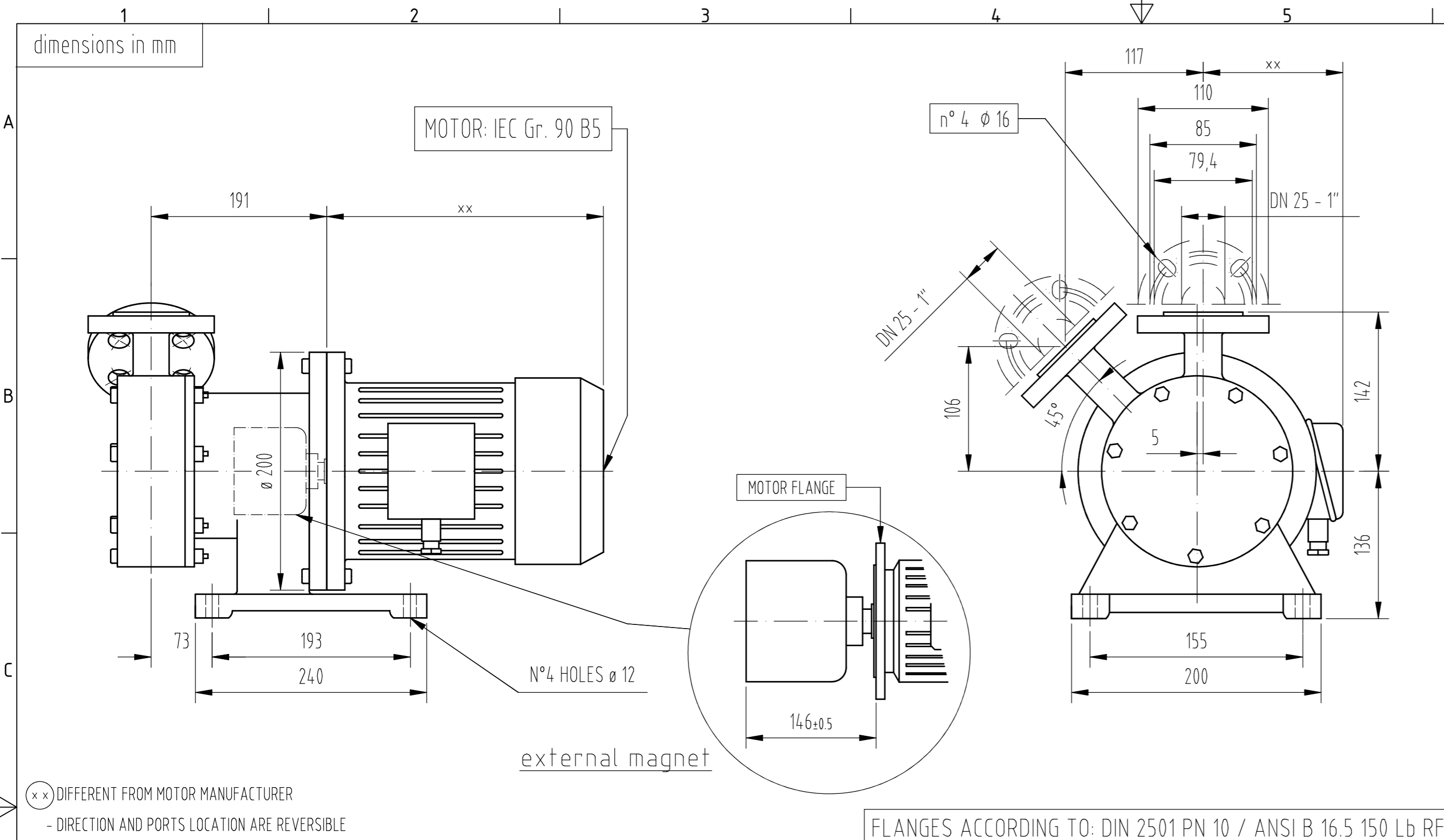
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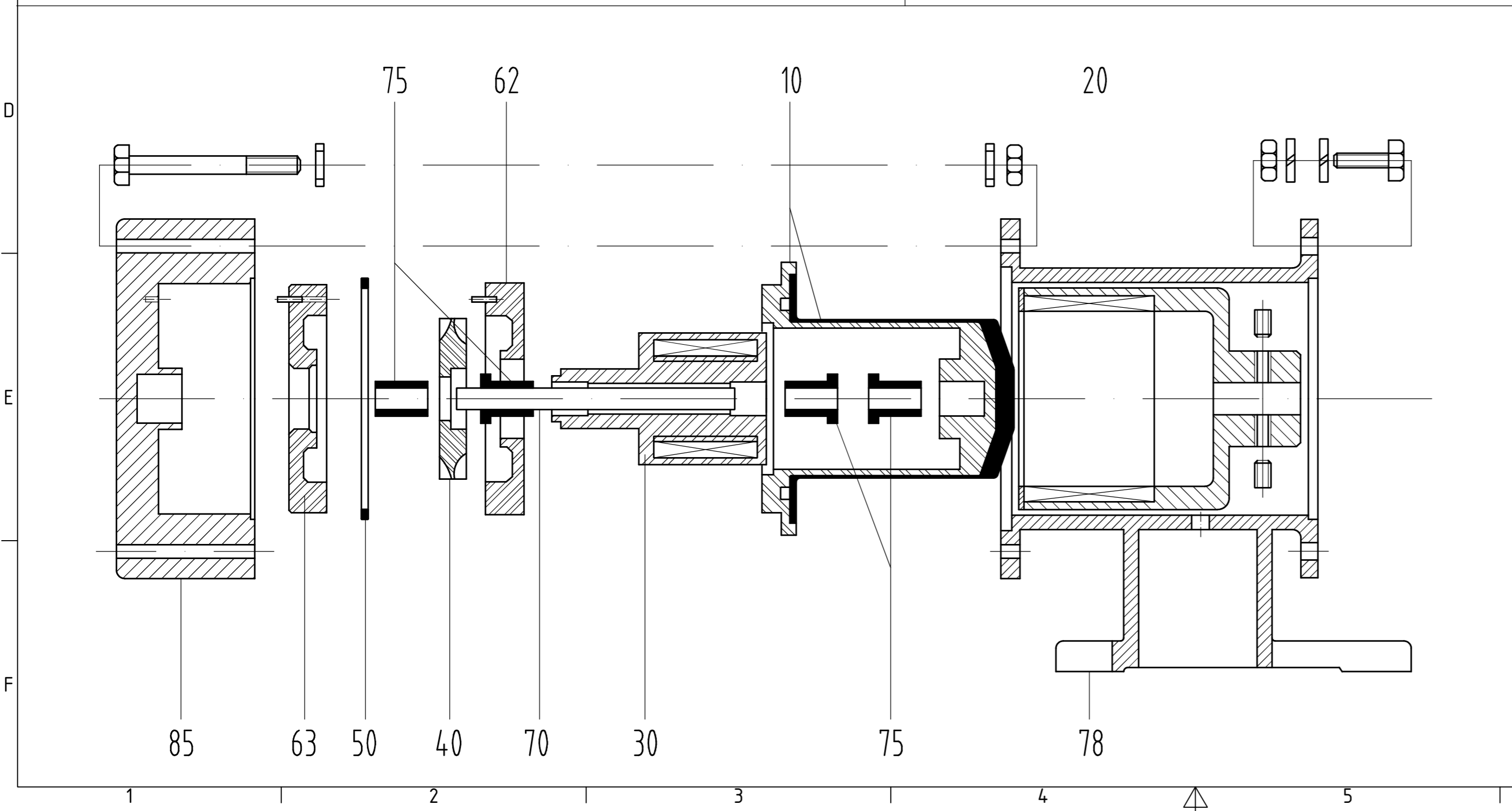
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Status			Änderungen		Datum
Name			Datum		Name
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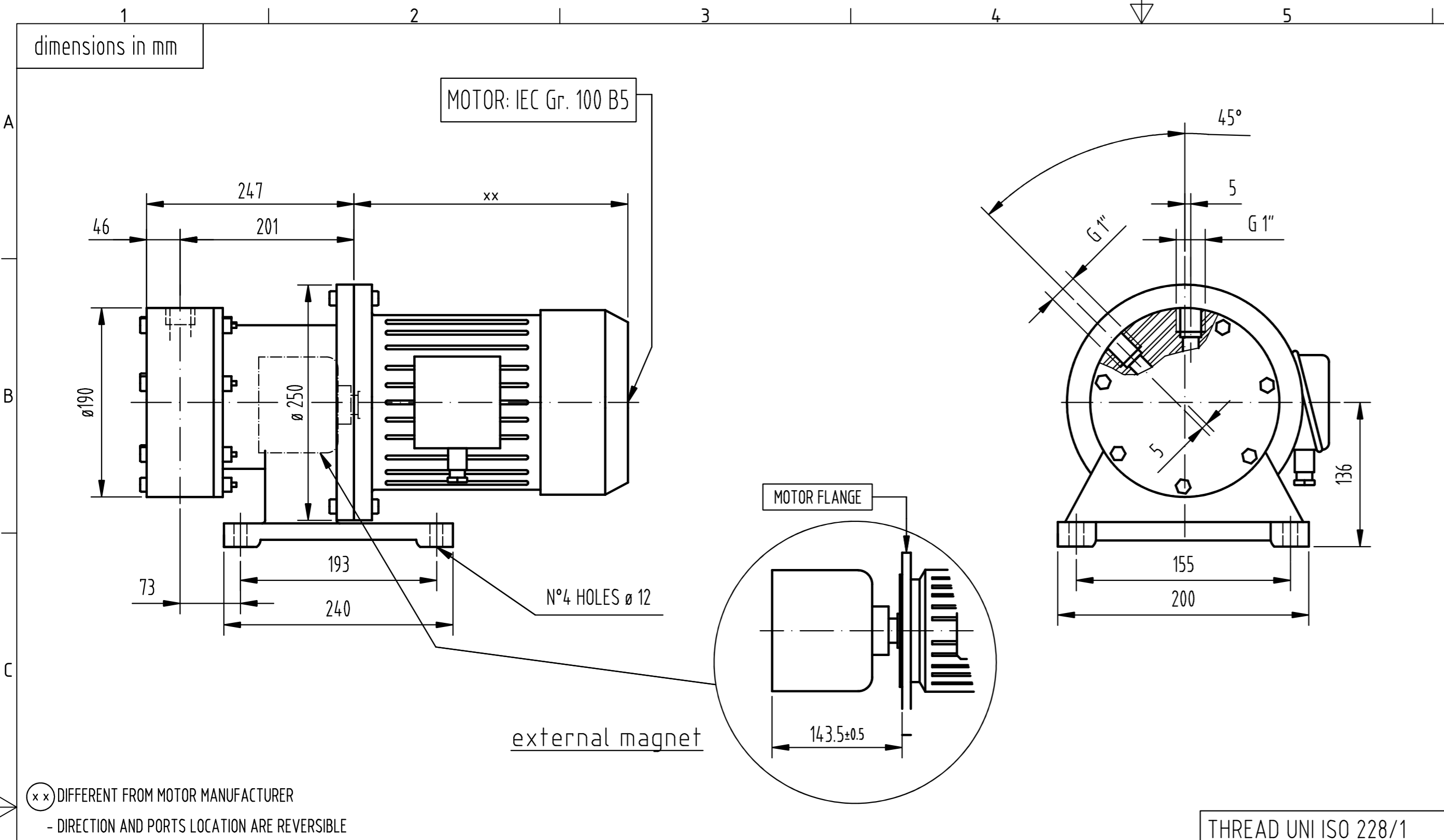
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4575 (256)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (200-130-24)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



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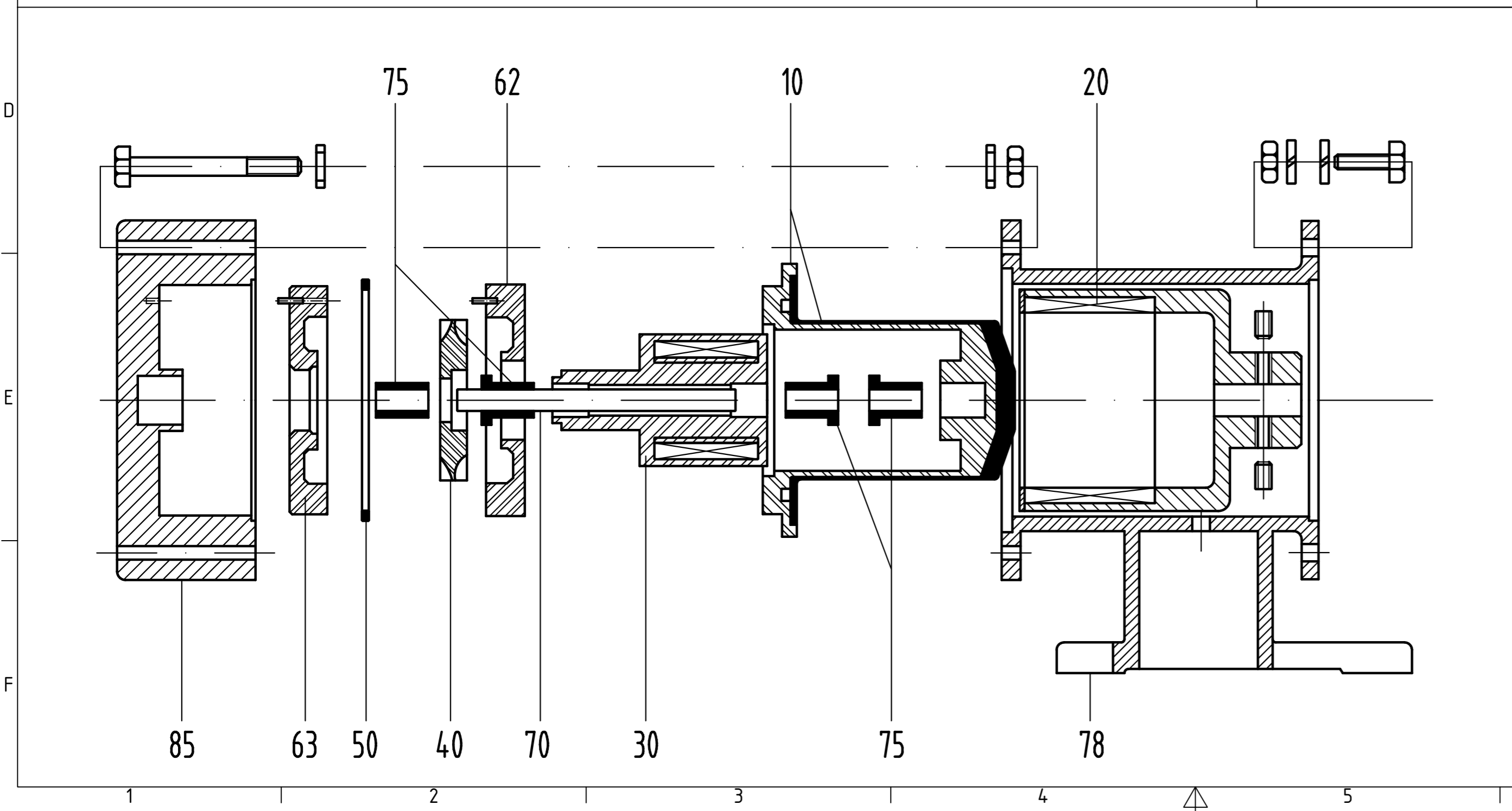
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Status	Änderungen	Datum	Name		A2





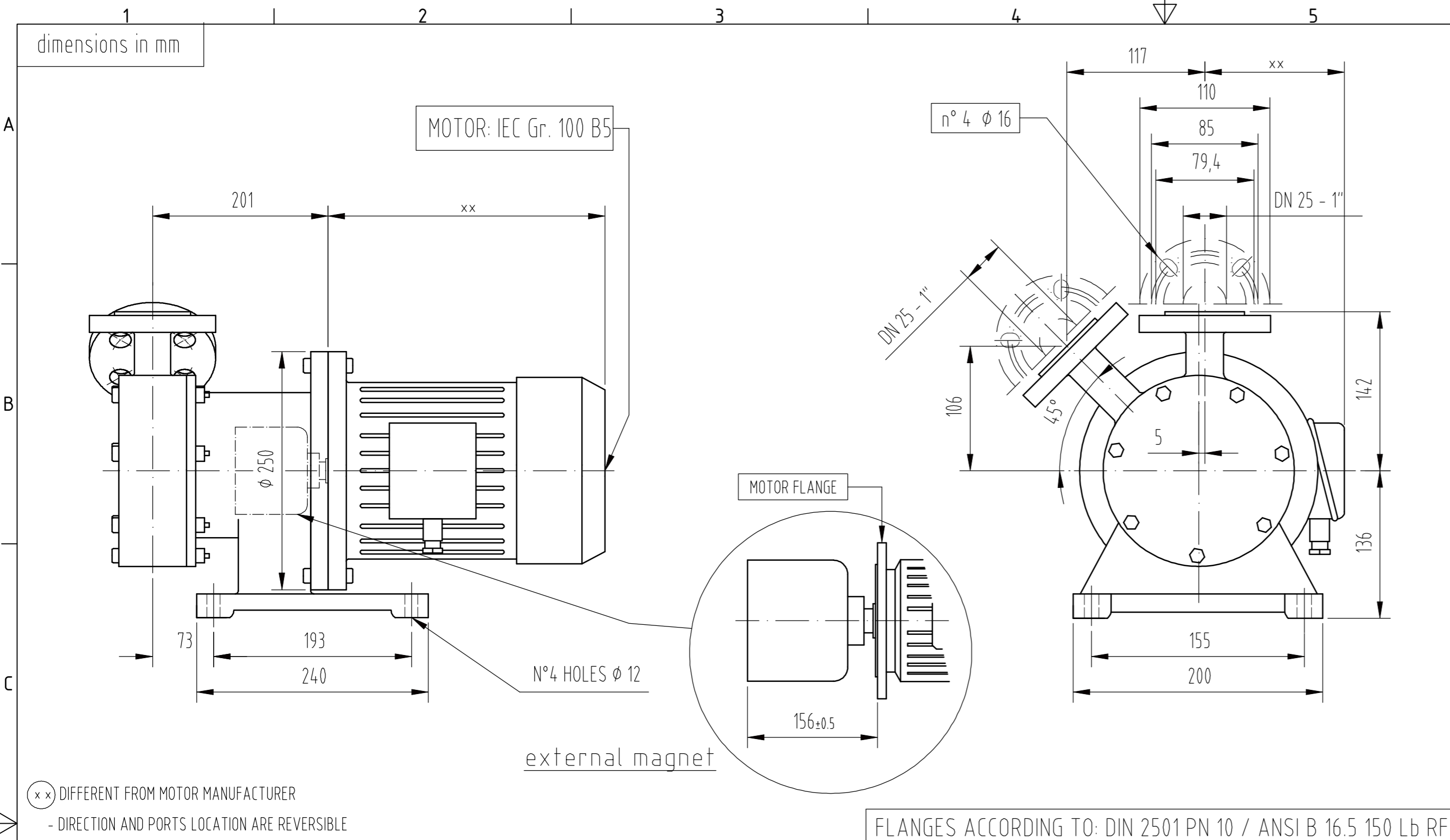
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4575 (256)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (250-180-28)	CAST IRON	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

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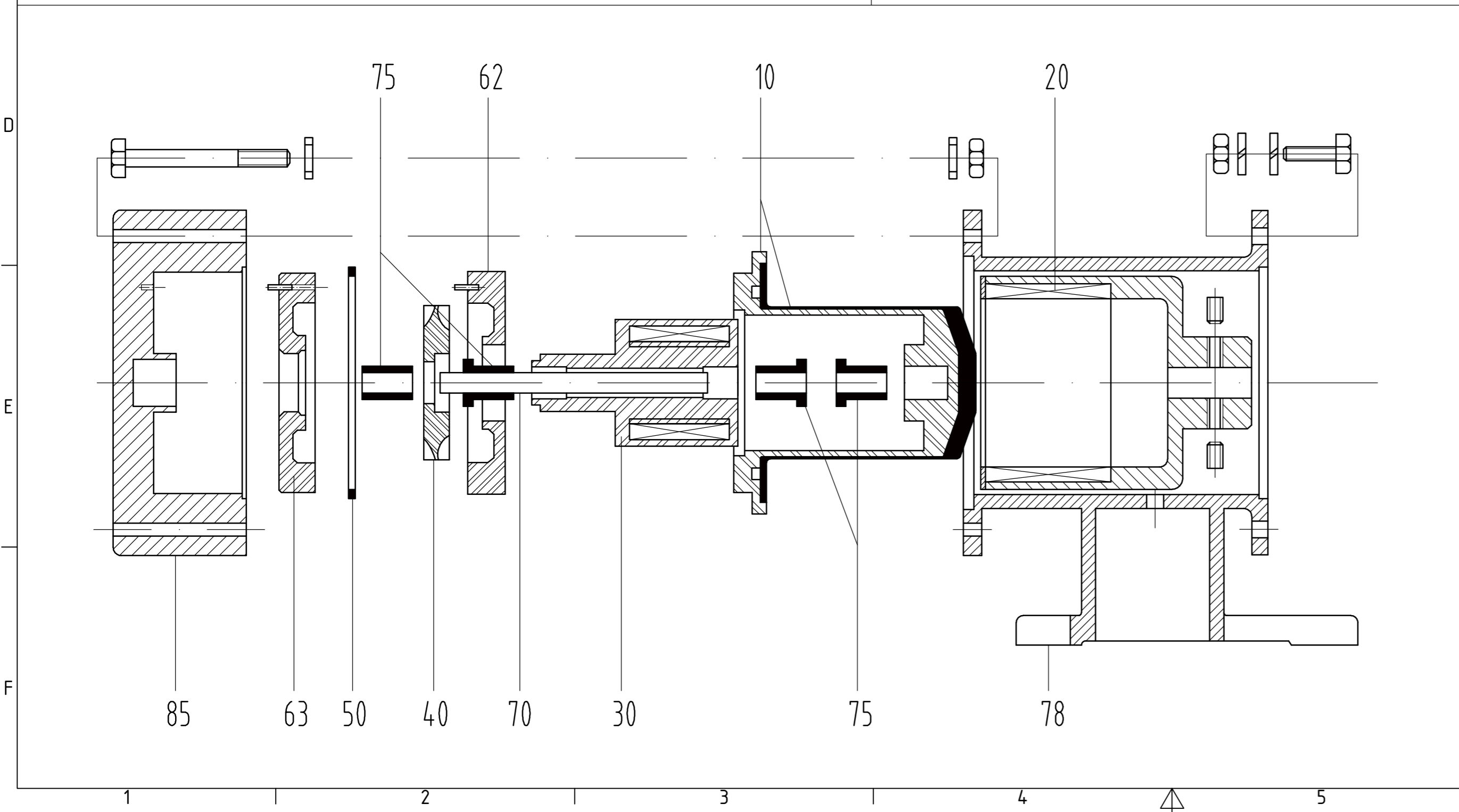


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DPCA-7003-P-R-IEC100			1 A2		
Status	Änderungen	Datum	Name		

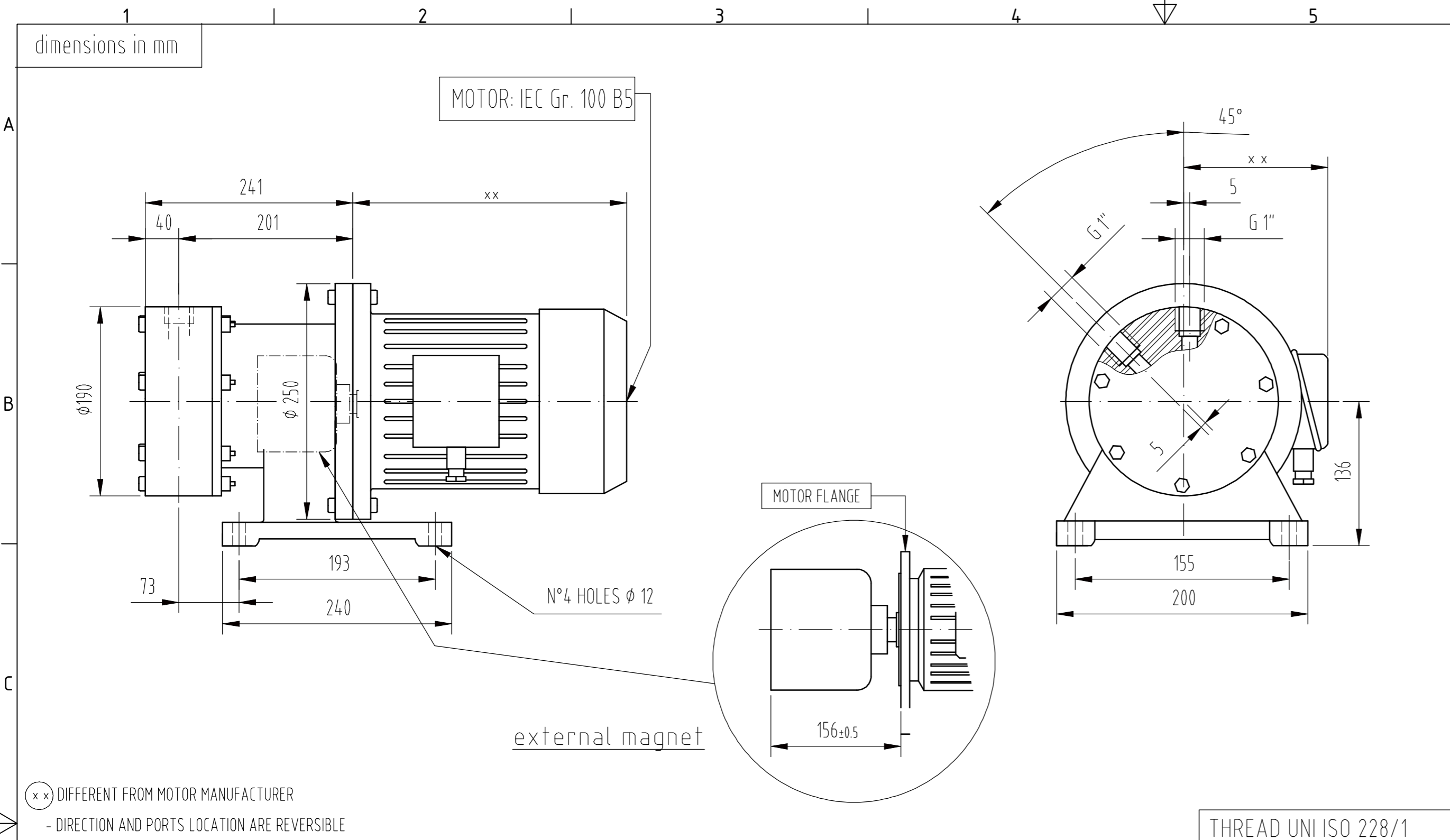


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4575 (256)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (250-180-28)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

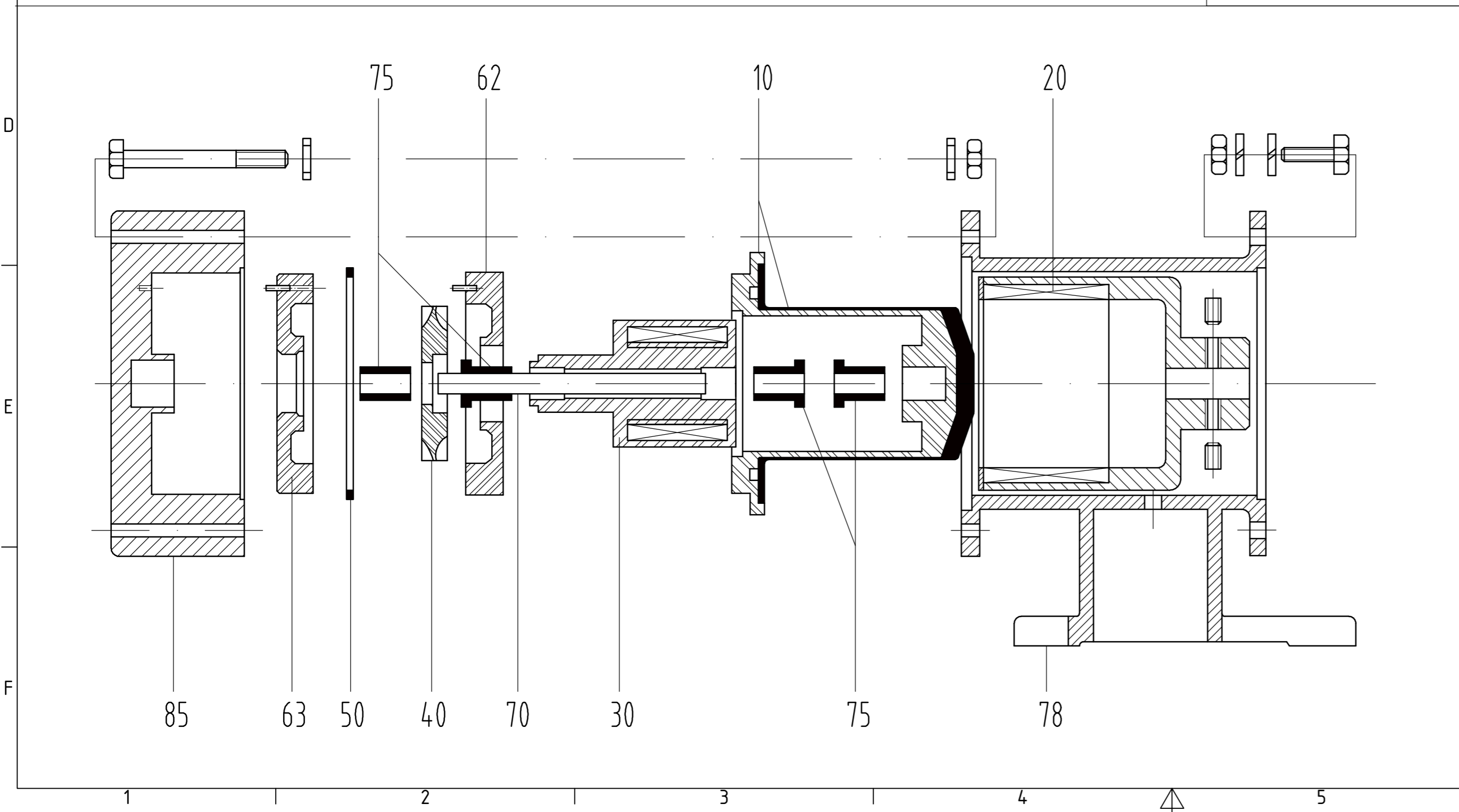


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Status	Änderungen	Datum	Name			

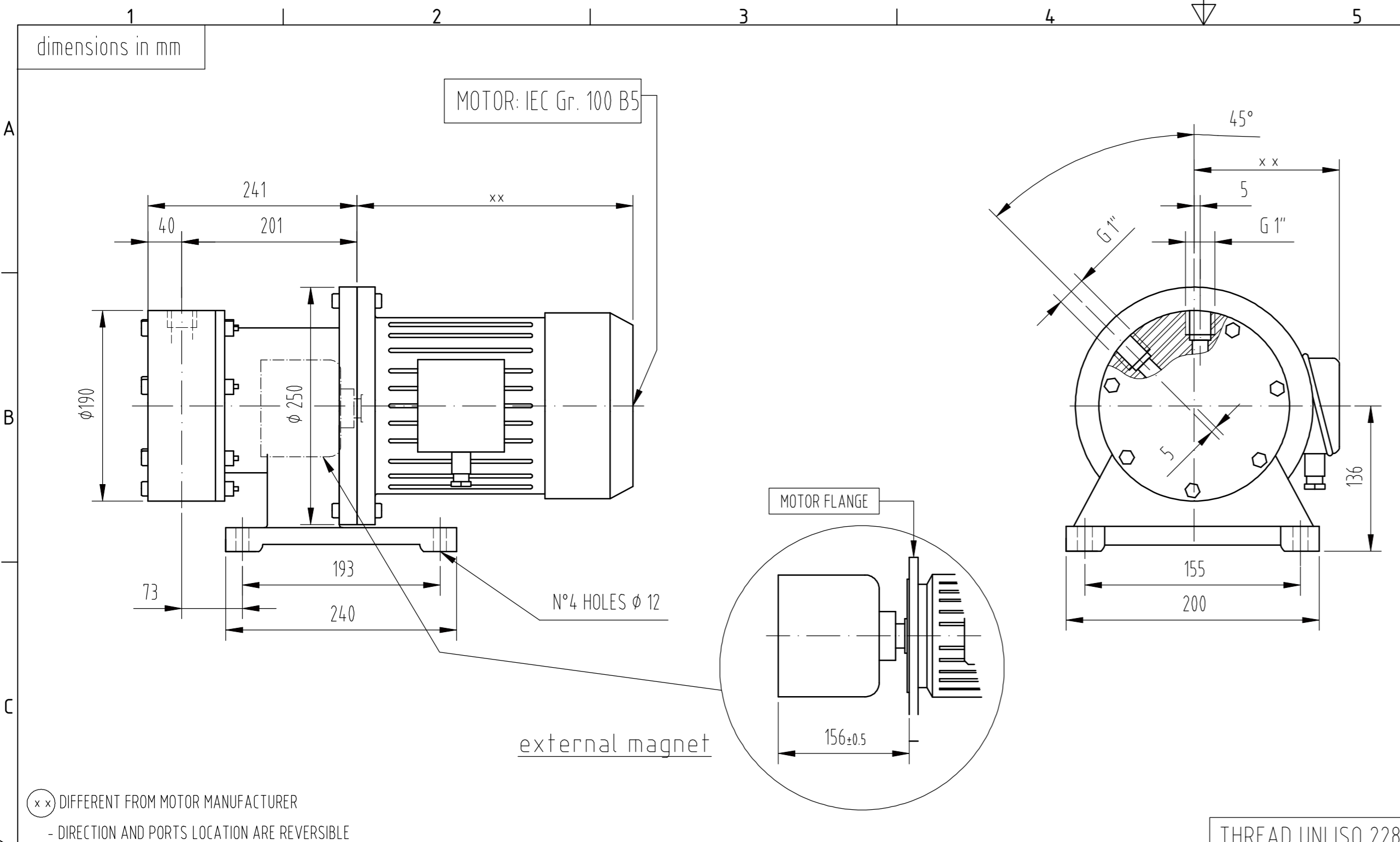


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 4575 (256)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (250-180-28)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

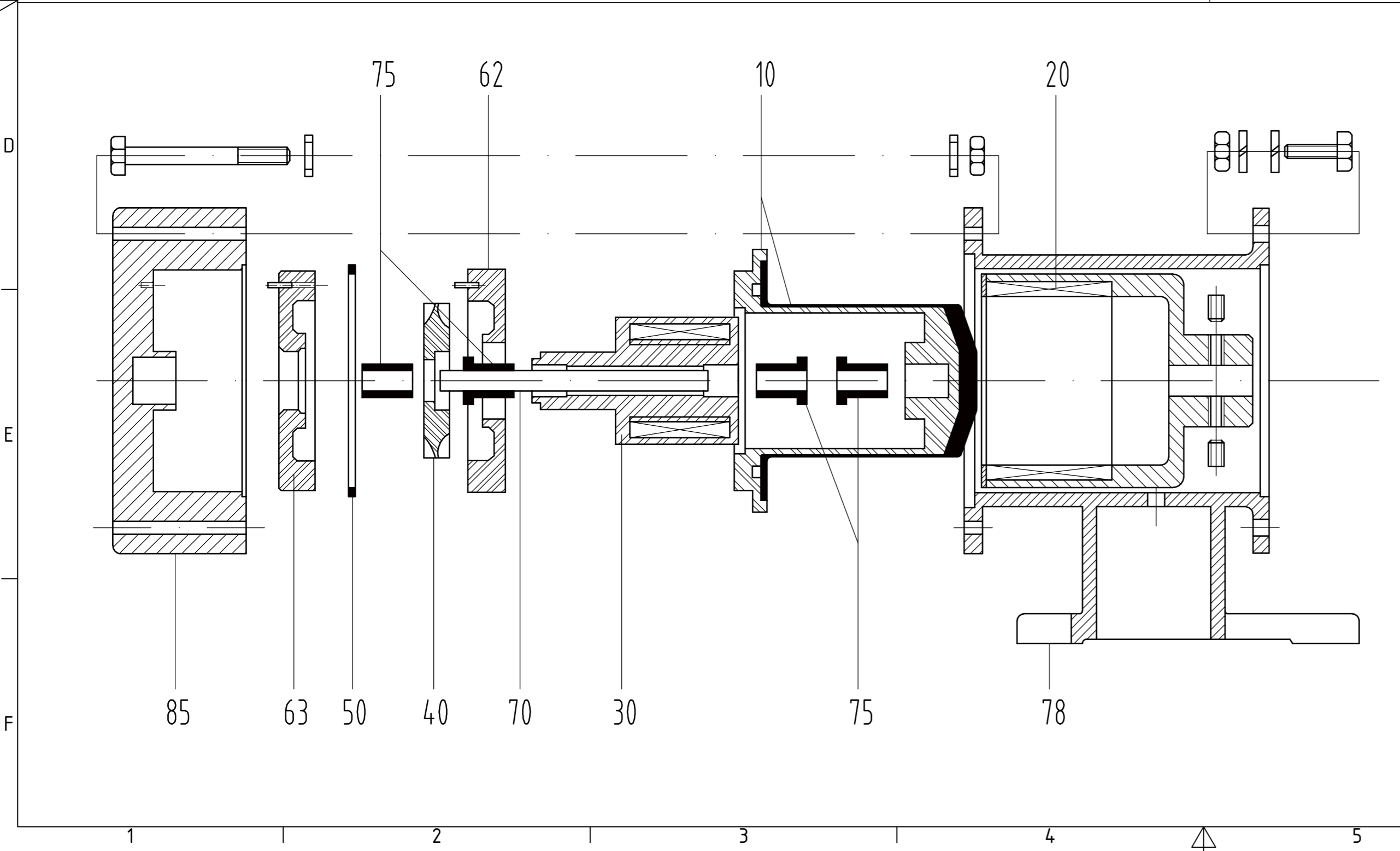


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	Gezeichnet 02.07.2019	Datum 02.07.2019		Name Lach	Series MT MT 9000 P_R - IEC100
Status Änderungen Datum Name			Norm		DPCA-9000-P-R-IEC100
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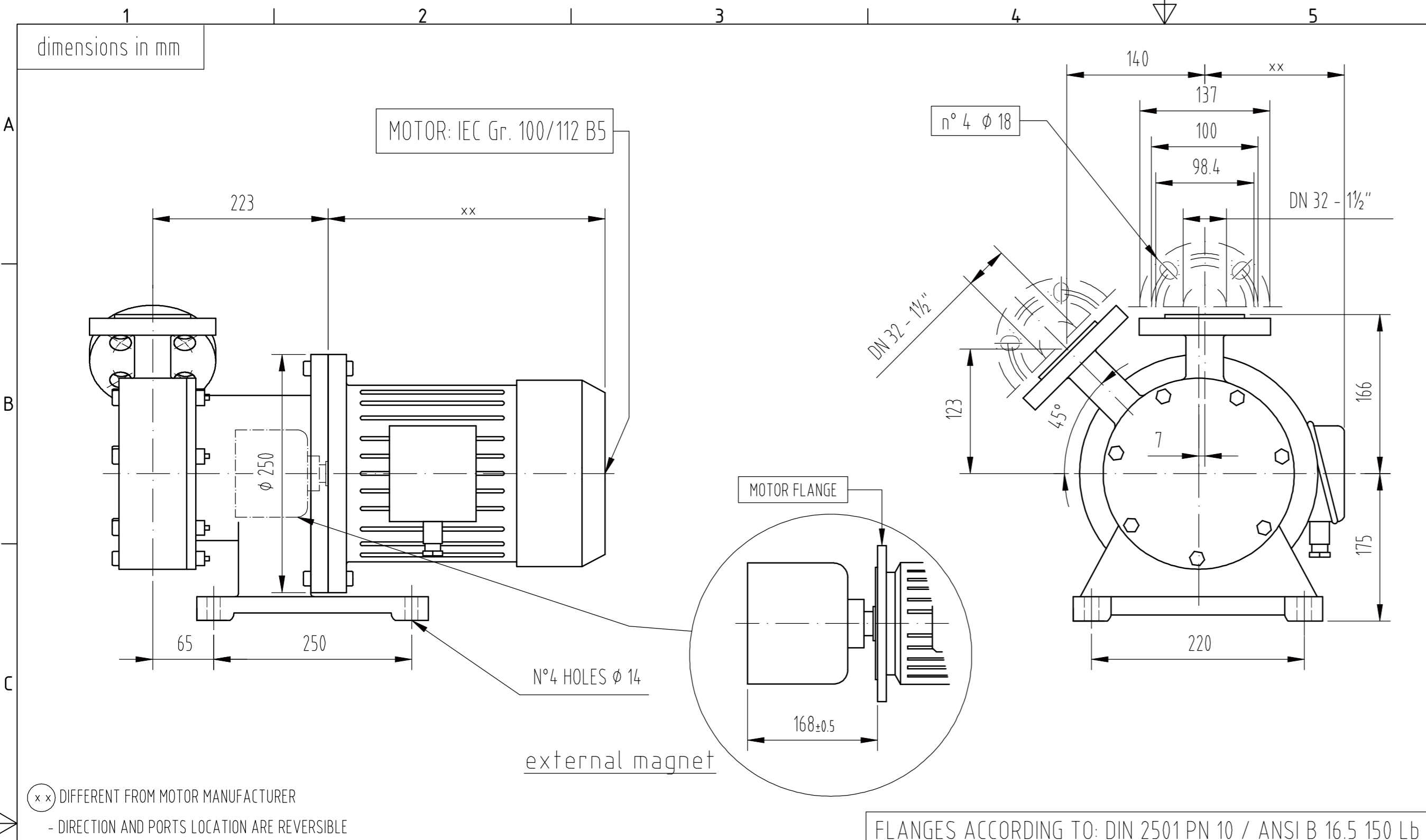


REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.		
20	Ext. Magnet		
30	Int. Magnet		
40	Impeller		
50	O-Ring 4575 (256)		
62	Rear Ring		
63	Front Ring		
70	Shafts		
75	Bearings		
78	Bracket (250-180-28)		
85	Pump Casing		
88	Rear Wet End (10+30+40+50+62+63+70+75)		
90	Wet End (10+30+40+50+62+63+70+75+85)		



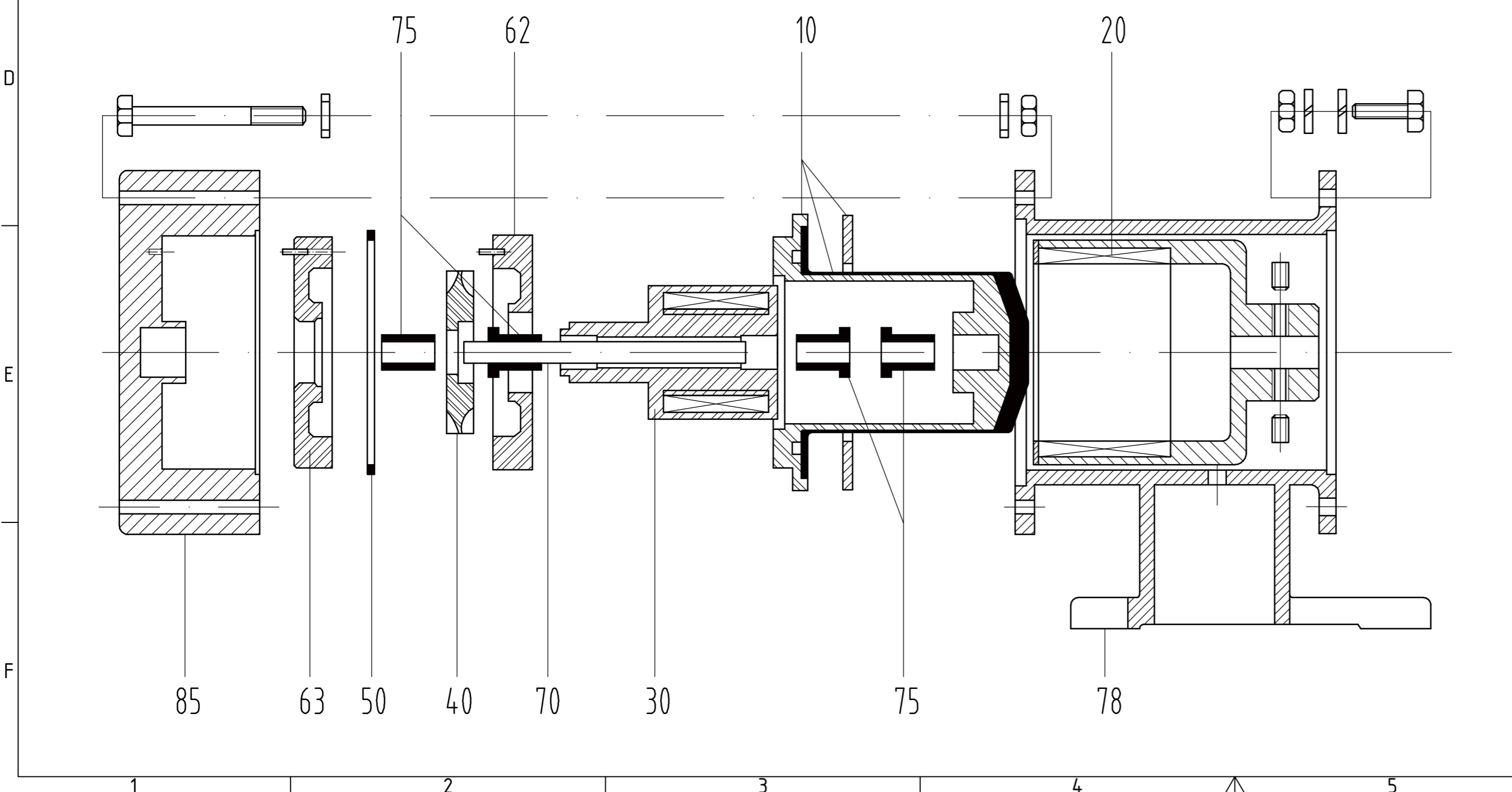
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	Gezeichnet Kontrolliert Norm	Datum 02.07.2019		Name Lach	Series MT MT 9000 PPR/PVR - IEC100
DPCA-9000-P/K-R-100			1 A2		
Status	Änderungen	Datum	Name		



REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
12	Rear Casing Flange	SS304	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 228 (628)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (250-180-28)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

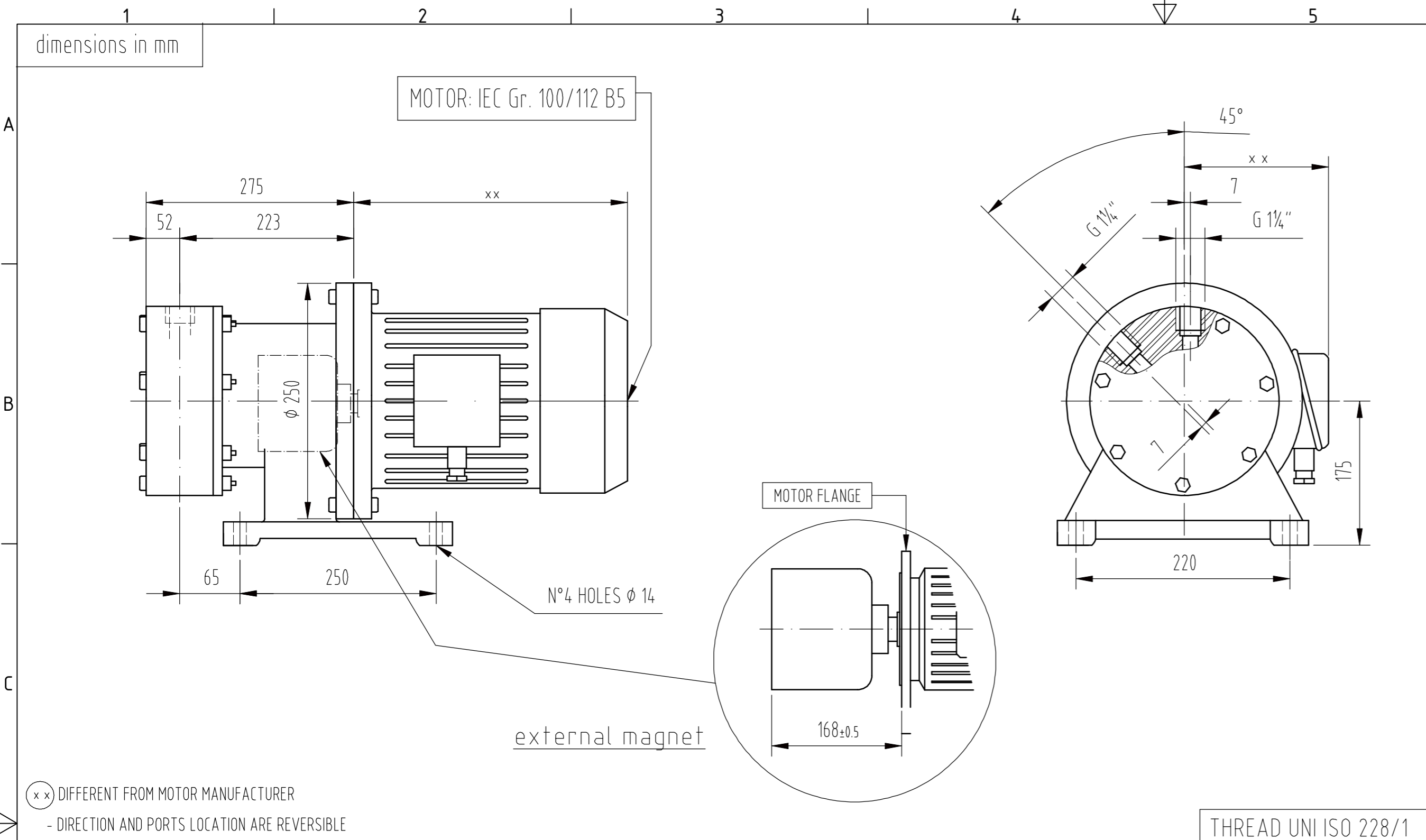
(xx) DIFFERENT FROM MOTOR MANUFACTURER  
- DIRECTION AND PORTS LOCATION ARE REVERSIBLE



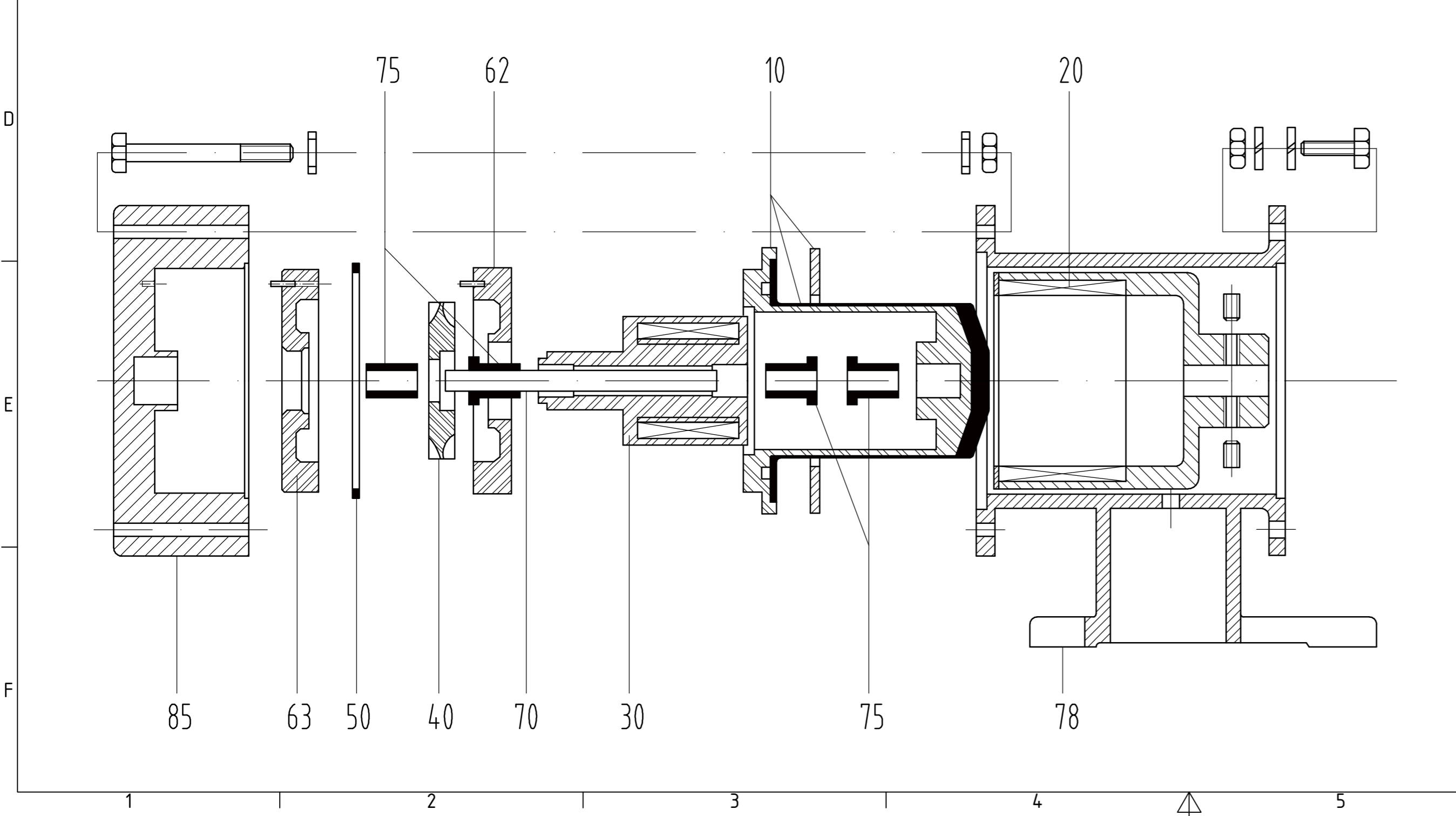
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	Gezeichnet Kontrolliert Norm	Datum 05.04.2019		Name Lach	<b>MAG DRIVE TURBINE PUMPS</b> <b>MT 12000 PPF IEC112</b>
DPCA-12000-PPF-IEC112			1 A2		
Status	Änderungen	Datum	Name		





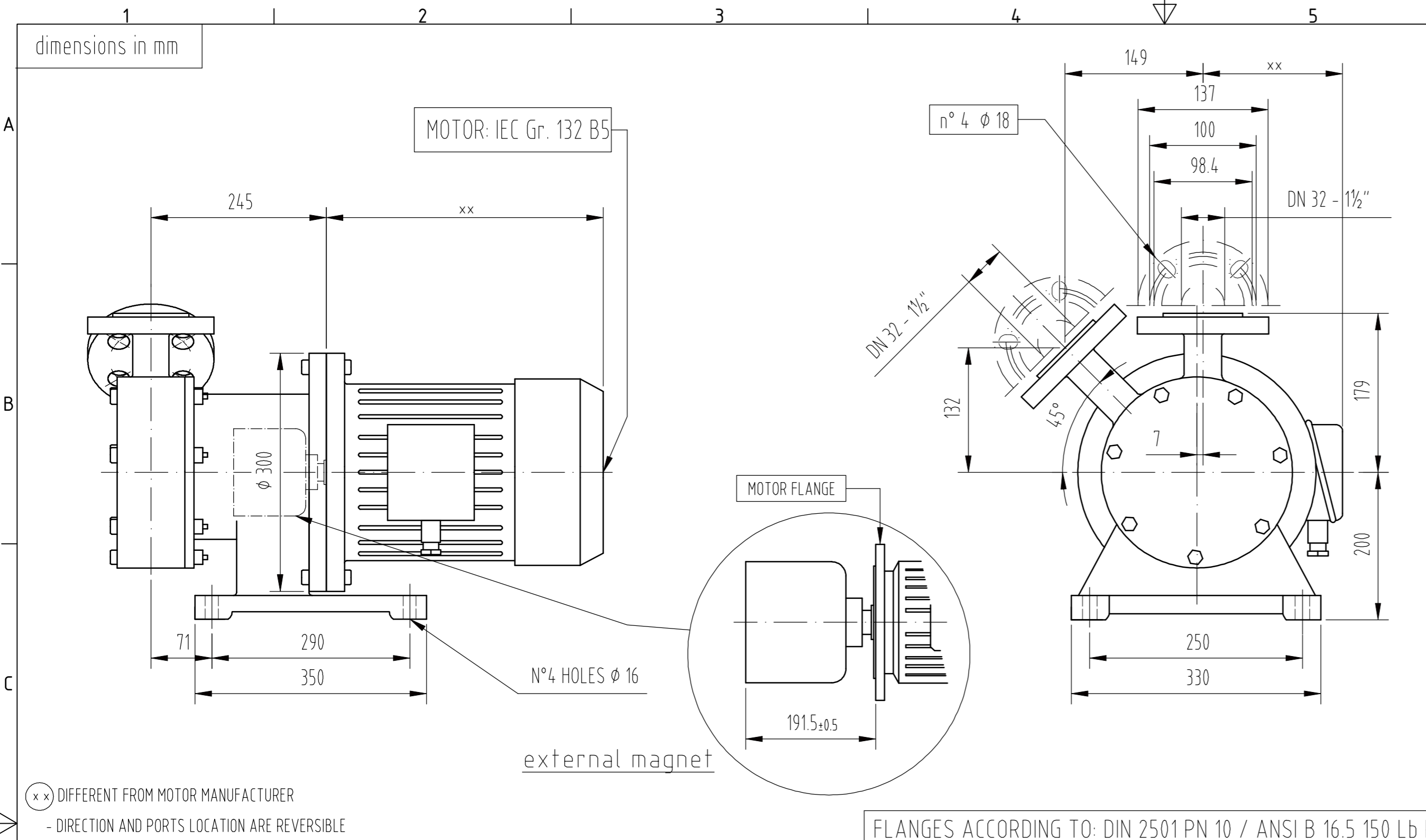
REF	DESCRIPTION	MATERIAL	CODE
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12	Rear Casing Flange	SS304	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 228 (628)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (250-180-28)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



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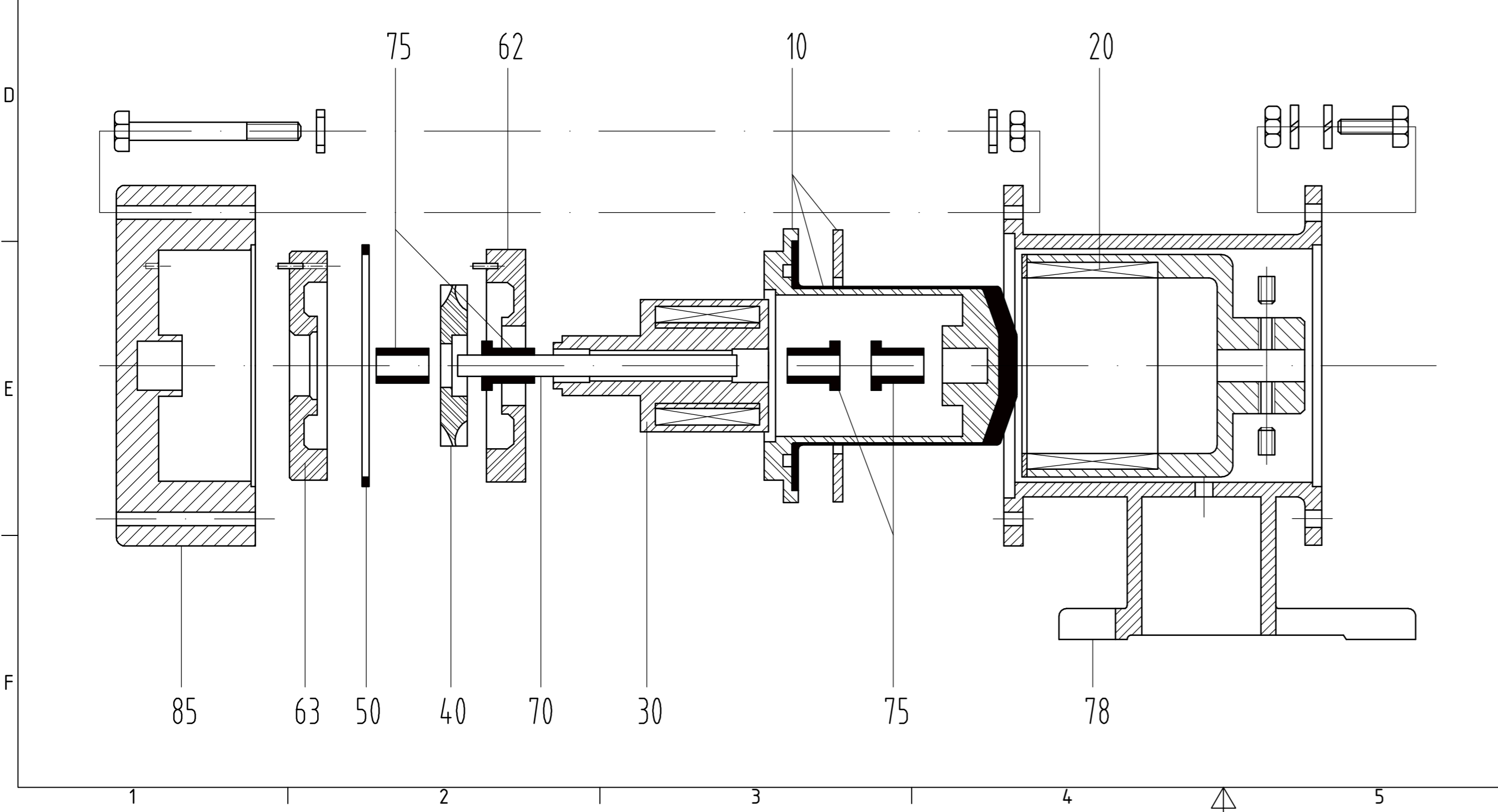
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			Alle Kanten gratfrei			
		Datum	Name	Series MT MT 12000 P_R - IEC100/112 DPCA-12000-P-R-IEC112		
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		Kontrolliert				
		Norm			1	
					A2	
Status	Änderungen	Datum	Name			





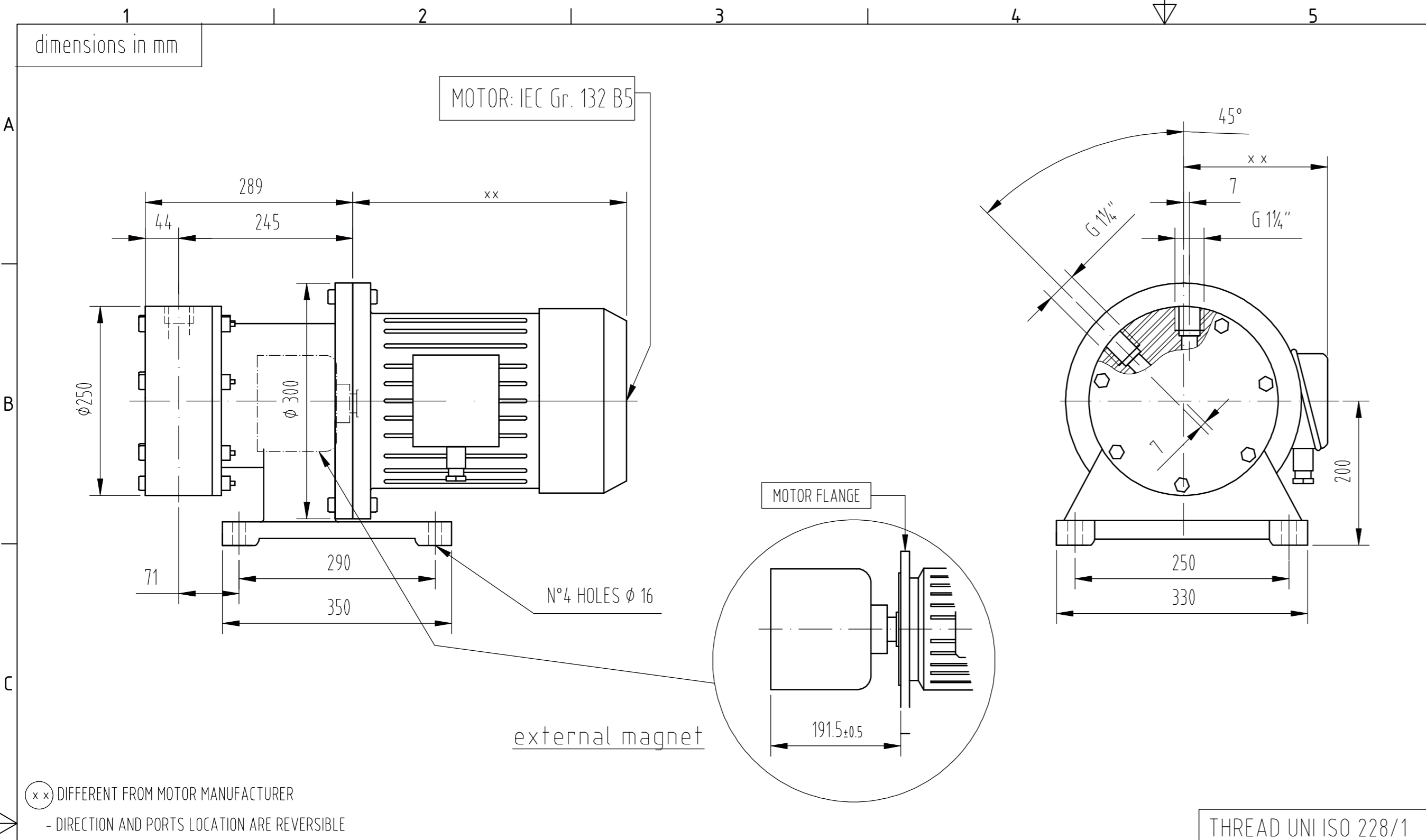
REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
12	Rear Casing Flange	SS304	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 228 (628)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (300-230-38)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	

xx DIFFERENT FROM MOTOR MANUFACTURER  
- DIRECTION AND PORTS LOCATION ARE REVERSIBLE

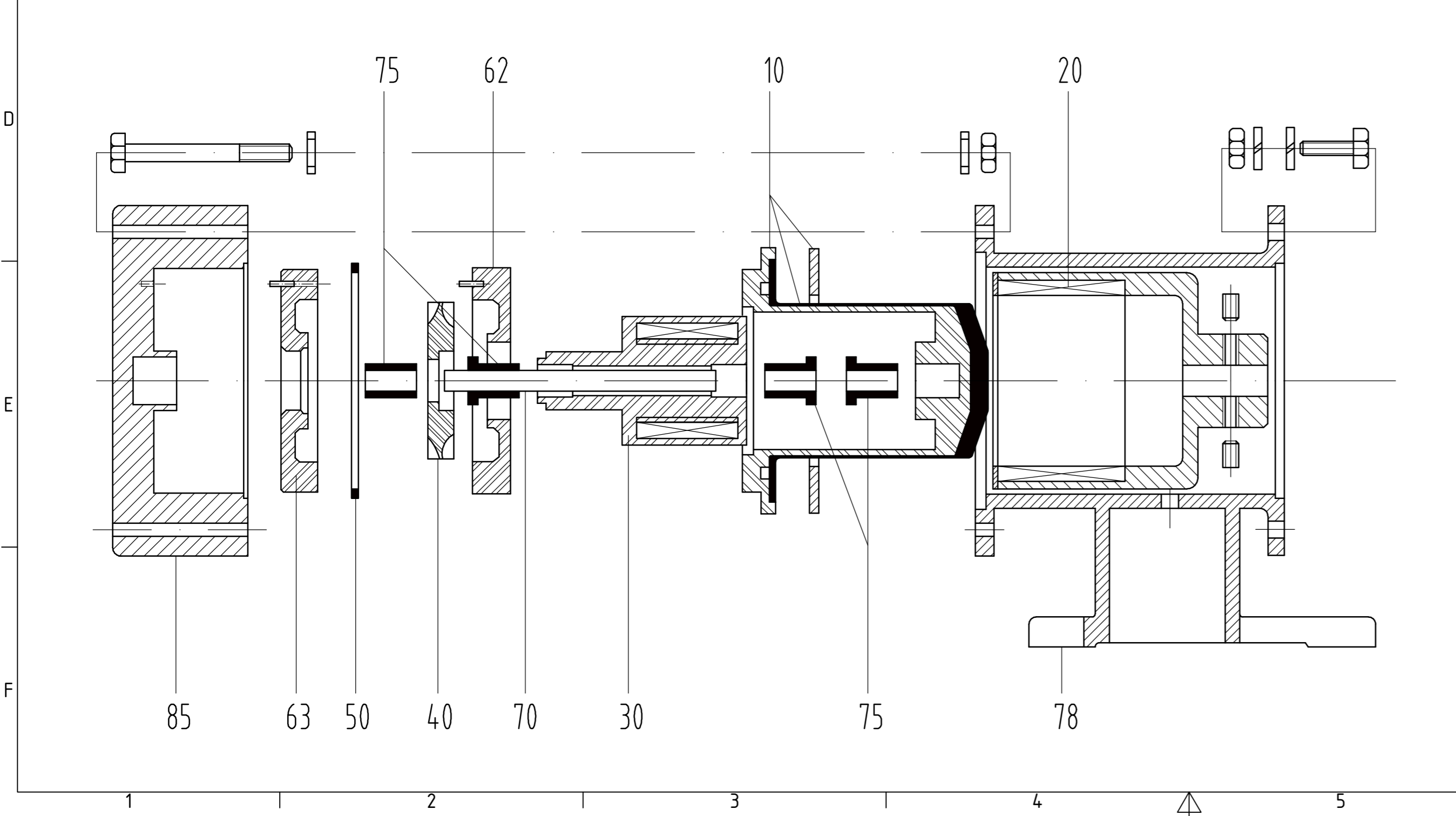


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			Datum 02.07.2019	Name Lach
Series MT MT 16000 PPF			DPCA-16000-P-F	
Status    Änderungen    Datum    Name			1 A2	



REF	DESCRIPTION	MATERIAL	CODE
10	Containment shell + Reinforc.	PP/ F.C.	
12	Rear Casing Flange	SS304	
20	Ext. Magnet	NeFeB/ Carbon Steel	
30	Int. Magnet	PP/NeFeB	
40	Impeller	PVDF	
50	O-Ring 228 (628)	EPDM	
62	Rear Ring	PP	
63	Front Ring	PP	
70	Shafts	Ceramic	
75	Bearings	PTFEC	
78	Bracket (300-230-38)	Cast Iron	
85	Pump Casing	PP	
88	Rear Wet End (10+30+40+50+62+63+70+75)	/	
90	Wet End (10+30+40+50+62+63+70+75+85)	/	



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			Alle Kanten gratfrei			
		Datum	Name	Series MT MT 16000 P_R - IEC132 DPCA-16000-P-R-IEC132		
		Gezeichnet	02.07.2019			Lach
		Kontrolliert				
		Norm			1	
					A2	
Status	Änderungen	Datum	Name			