

Tender Text



Note! Product picture may differ from actual product

Product No.: [12DJ3603](#)

BM 17-3N

High pressure booster modules are used for boosting, liquid transfer and circulation in systems under a high static pressure.

SP submersible pump with motor built into a stainless steel sleeve in a totally sealed construction.

Modules of different sizes can be combined and connected either in series or in parallel to meet exact Q/H requirements.

Liquid:

Pumped liquid: Water
Maximum liquid temperature: 40 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Actual calculated flow: 20.1 m³/h
Resulting head of the pump: 34.48 m
Curve tolerance: ISO9906:2012 3B

Materials:

Pump: Stainless steel
DIN W.-Nr. 1.4401
AISI 316
Impeller: Stainless steel
DIN W.-Nr. 1.4401
AISI 316
Motor: Stainless steel
1.4539 EN
AISI 904 L
Sleeve: Stainless steel
DIN W.-Nr. 1.4401
AISI 316
Rubber: NBR

Installation:

Maximum inlet pressure: 50 bar
Maximum outlet pressure: 80 bar
Flange standard: PJE
Pipe connection: 89 mm

Electrical data:

Rated power - P2: 3 kW
Mains frequency: 60 Hz
Rated voltage: 3 x 440-480 V
Service factor: 1,15
Rated current: 7,40-7,75 A



Company name:

Created by:

Phone:

Date:

20/02/2018

Start. method: direct-on-line

Enclosure class (IEC 34-5): IP54

Others:

Minimum efficiency index, MEI $\geq$ 0.70

Net weight: 48 kg

Gross weight: 69 kg

Shipping volume: 0.273 m³

Position	Qty.	Description
	1	BM 17-3N  Note! Product picture may differ from actual product Product No.: 12DJ3603 High pressure booster modules are used for boosting, liquid transfer and circulation in systems under a high static pressure. SP submersible pump with motor built into a stainless steel sleeve in a totally sealed construction. Modules of different sizes can be combined and connected either in series or in parallel to meet exact Q/H requirements. Liquid: Pumped liquid: Water Maximum liquid temperature: 40 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Technical: Actual calculated flow: 20.1 m³/h Resulting head of the pump: 34.48 m Curve tolerance: ISO9906:2012 3B Materials: Pump: Stainless steel DIN W.-Nr. 1.4401 AISI 316 Impeller: Stainless steel DIN W.-Nr. 1.4401 AISI 316 Motor: Stainless steel 1.4539 EN AISI 904 L Sleeve: Stainless steel DIN W.-Nr. 1.4401 AISI 316 Rubber: NBR Installation: Maximum inlet pressure: 50 bar Maximum outlet pressure: 80 bar Flange standard: PJE Pipe connection: 89 mm Electrical data: Rated power - P2: 3 kW Mains frequency: 60 Hz Rated voltage: 3 x 440-480 V Service factor: 1,15 Rated current: 7,40-7,75 A



Company name:

Created by:

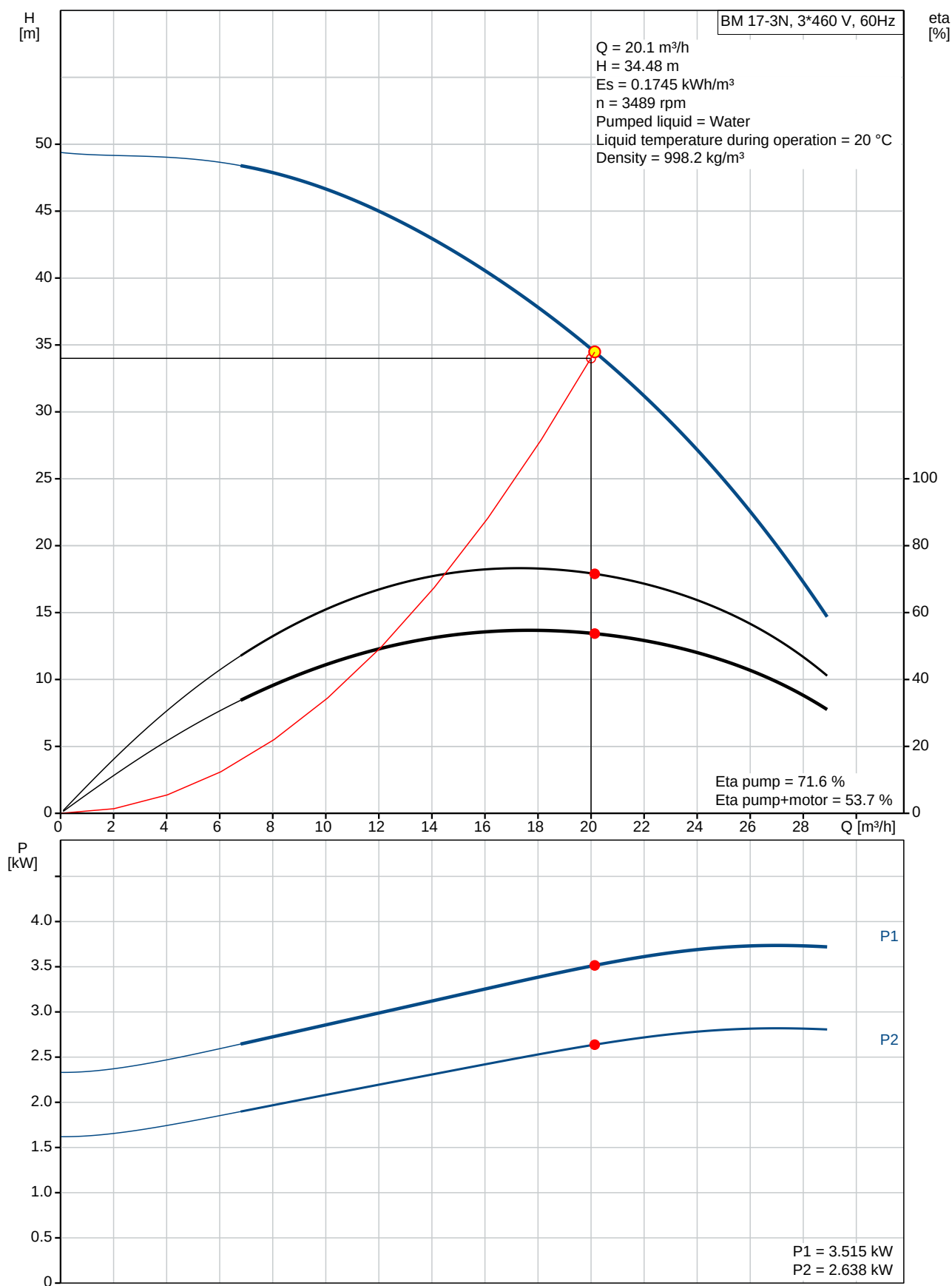
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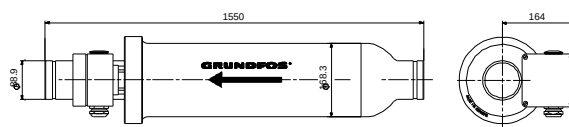
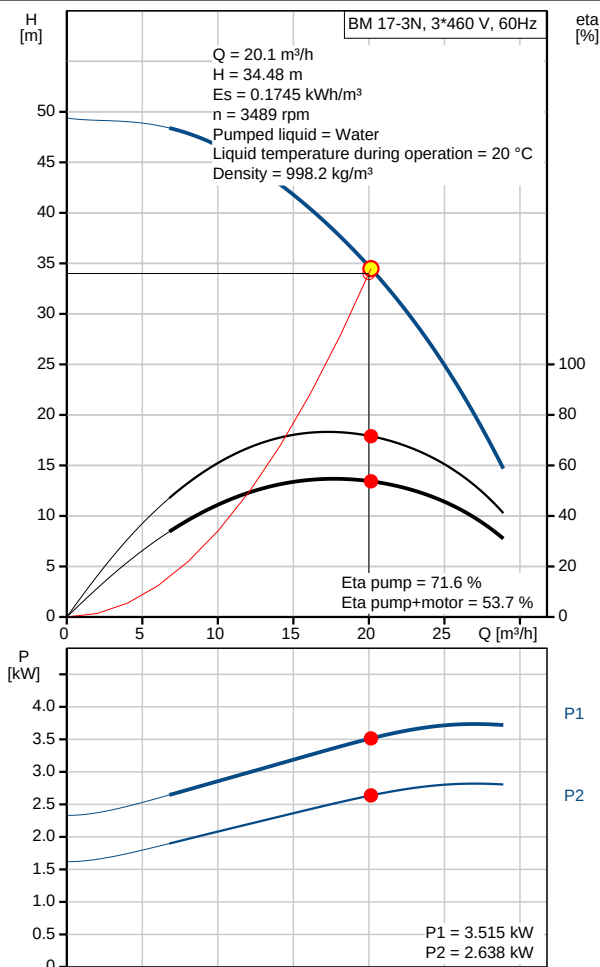
20/02/2018

Position	Qty.	Description
		Start. method: direct-on-line Enclosure class (IEC 34-5): IP54 Others: Minimum efficiency index, MEI $\geq$: 0.70 Net weight: 48 kg Gross weight: 69 kg Shipping volume: 0.273 m ³

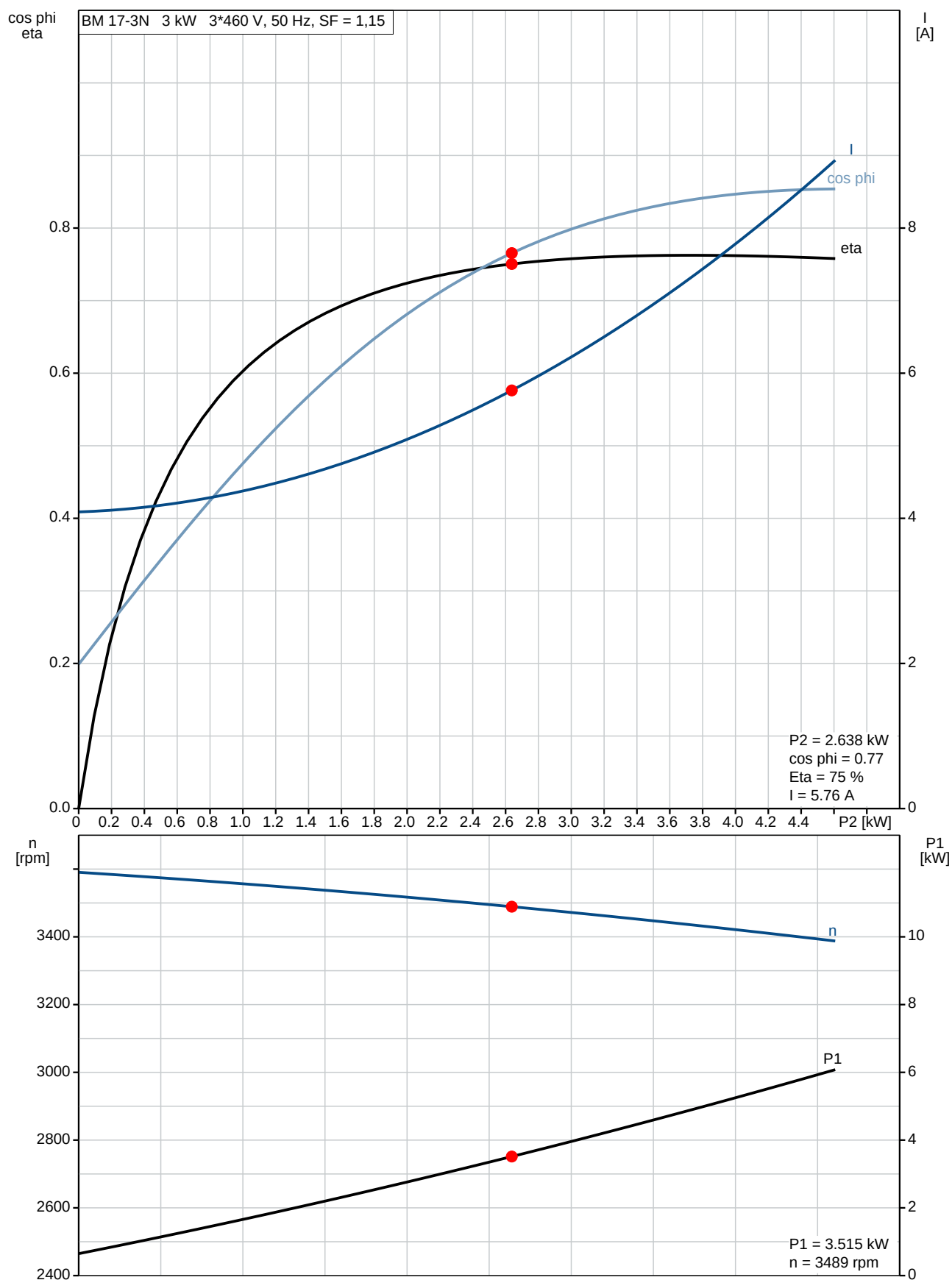
12DJ3603 BM 17-3N 60 Hz



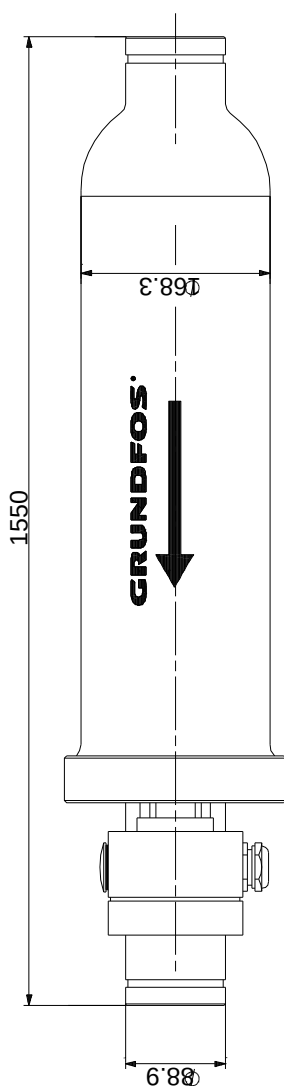
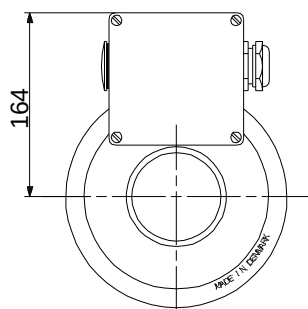
Description	Value
General information:	
Product name:	BM 17-3N
Product No:	12DJ3603
EAN number:	5700392889768
Technical:	
Actual calculated flow:	20.1 m³/h
Resulting head of the pump:	34.48 m
Stages:	3
Curve tolerance:	ISO9906:2012 3B
Model:	E
Materials:	
Pump:	Stainless steel DIN W.-Nr. 1.4401 AISI 316
Impeller:	Stainless steel DIN W.-Nr. 1.4401 AISI 316
Motor:	Stainless steel 1.4539 EN AISI 904 L
Sleeve:	Stainless steel DIN W.-Nr. 1.4401 AISI 316
Rubber:	NBR
Installation:	
Maximum inlet pressure:	50 bar
Maximum outlet pressure:	80 bar
Flange standard:	PJE
Pipe connection:	straight 89 mm
Liquid:	
Pumped liquid:	Water
Maximum liquid temperature:	40 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Rated power - P2:	3 kW
Mains frequency:	60 Hz
Rated voltage:	3 x 440-480 V
Service factor:	1,15
Rated current:	7,40-7,75 A
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP54
Motor No:	79195608
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	48 kg
Gross weight:	69 kg
Shipping volume:	0.273 m³



12DJ3603 BM 17-3N 60 Hz



12DJ3603 BM 17-3N 60 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.



Company name:

Created by:

Phone:

Date:

20/02/2018

Order Data:

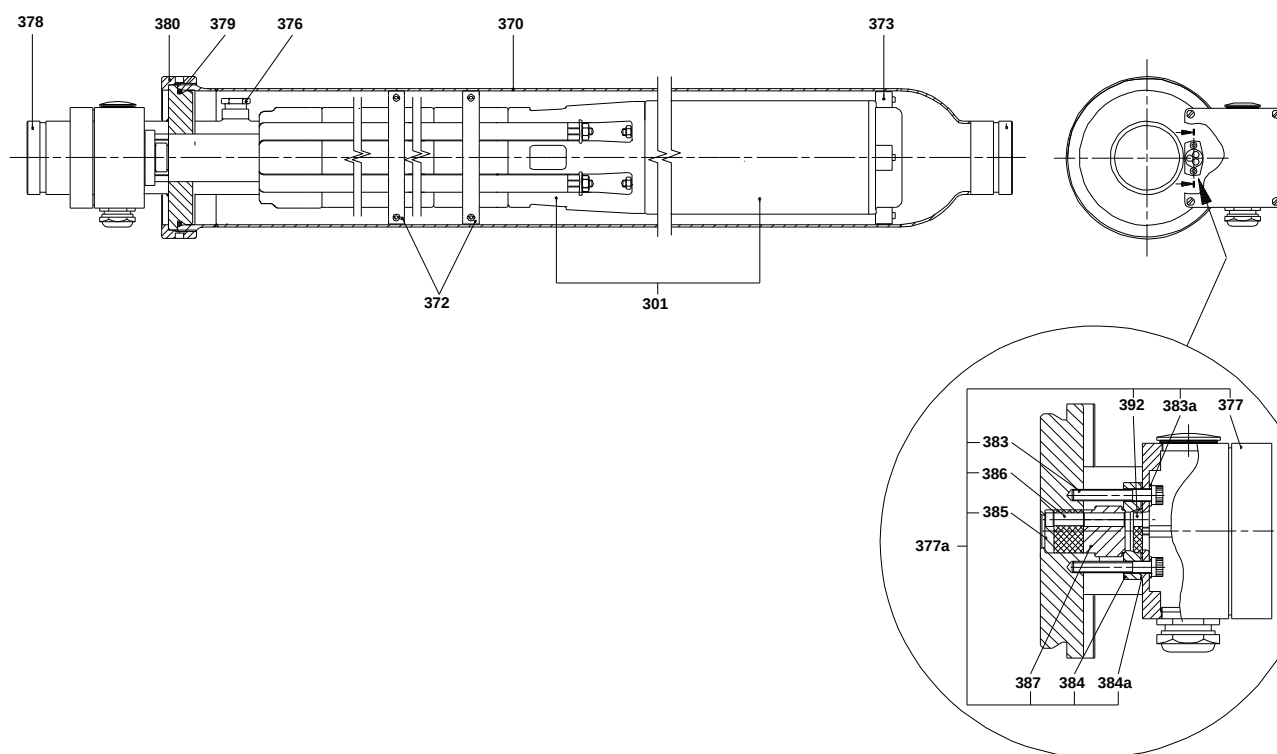
Product name: BM 17-3N

Amount: 1

Product No: 12DJ3603

Total: Price on request

Sectional drawing (TM031116 1105)



Parts list BM 17-3N, Product No. 12DJ3603

Valid from 1.1.1999 (9953)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-	Booster module				1	pcs
- 18	Air vent screw				1	
	Plug					
	Spindle					
23a	Plug				1	
100	O-ring		Diameter: 16,3		2	
			Material type: FKM			
			Thickness: 2,4			
370	Sleeve cpl.				1	
376	Bypass valve cpl.				1	
378	Discharge pipe				1	
379	O-ring		Diameter: 158,12		1	
			Material type: VITON			
			Thickness: 5,33			
380	Union nut				1	
- 301	Pump				1	
+	Pump w/o motor				1	
-	Motor				1	
1	Stator w/housing					
2	Shaft w/rotor					
3	Thrust ring support cpl.					
4	Radial bearing					
5	Bearing pipe					
6	Thrust bearing					
7	Lock ring					
10	Bearing retainer					
11	Adjusting screw					
12	Diaphragm					
13	End shield					
15	Nut					
16	Lock washer					
18	Nut		Thread: M8 DIN 934			
21	Nut		Thread: M8 DIN 934			
22	Staybolt		Thread: M8 X M8			
22a	Staybolt		Thread: M8 X M8 R			
22b	Cheese head screw					
22c	O-ring		Diameter: 4			
			Material type: NBR			
			Thickness: 1			
24	O-ring		Diameter: 40			
			Material type: NBR			
			Thickness: 2			
25	Shaft seal housing					
27	Spline protector					
28	Supporting ring					
29	Sand shield					
30	Compression spring					
31	Supporting ring					
32	Shaft seal cpl.					
- 34	Shaft seal cpl.					
	Seal ring					
	Seal ring, rotating					
33	O-ring		Diameter: 16			



Company name:

Created by:

Phone:

Date:

20/02/2018

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
			Material type: VITON			
			Thickness: 2.5			
20	Motor cable		Length (M): 2M		1	
372	Supporting ring				1	pcs
+ 373	Centrerer parts				1	pcs
- 377a	Terminal box cpl.				1	pcs
377	Terminal box				1	
383	Hex socket head cap screw				2	
383a	Washer		Internal diameter: 8,4		2	
			Outer diameter: 14,6			
			Thickness: 0,8			
384	Clamp				1	
384a	Gasket				1	
385	Clamp				1	
386	Rubber plug				1	
387	Clamp				1	
392	Rubber plug				1	