

Self-Priming pumps



AU



AU Monobloc

1. Fields of application

Designed to pump dirty and sandy water, or with suspended solids. Useful for:

- Water and sea water cooling systems
- Bilge
- Ballast
- Flushing and fire-fighting
- Emergency fire-fighting
- Sea water transfer
- Training of mine and quarry faces
- General and local floods

2. Operating Data

		AU	
		50Hz	60Hz
Capacity, max	[m ³ /h]	600	600
Head, max	[m]	52	52
Operating temp, max.	[°C]	120	120
Operating temp, min.	[°C]	-10	-10
Operating pressure, max.	[bar]	10	10
Operating speed, max	[rpm]	3000	3600

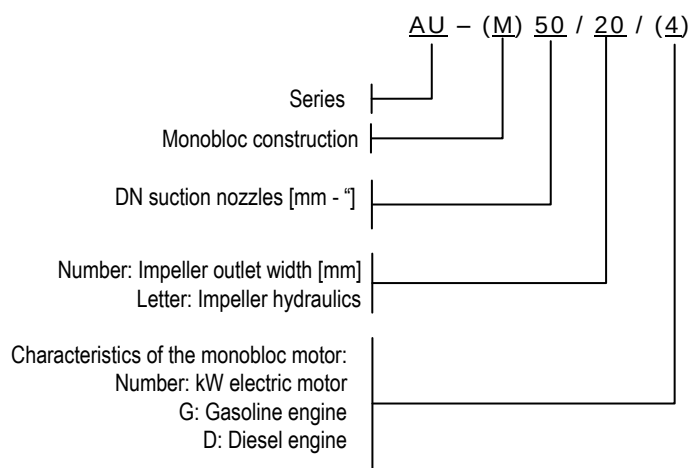
For any specific application beyond these limits, please consult KSB ITUR. All data given in this document are for fully standard construction.

3. Design

Horizontal self-priming centrifugal pump, open or semi-open impeller of wide step with plate adjustment. Sealing by mechanical seal. Robust design, suitable to be driven by electric or explosion motors. Design available according to ATEX.

Pump casing with axial suction and radial impulsion. Single-stage semi-open impeller.

4. Denomination



5. Materials

Denomination	N°	Material variant				
		00 (1)	01	02 (2)	03	05
Pump casing	101	EN-GJL-250	EN-GJL-250	EN-GJL-250	CC491K-GS	A 351 Gr CF8M
Casing cover	161	EN-GJL-250	EN-GJL-250	EN-GJL-250	CC491K-GS	A 351 Gr CF8M
Shaft	210	1.4404	1.4404	1.4404	1.4404	1.4404
Impeller	230	EN-GJL-250	CC480K-GS	A 743 Gr CF8M	CC480K-GS	A 743 Gr CF8M
Bearing pedestal	331	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250	EN-GJL-250
Wear plate	135	EN-GJL-250	CC493K-GC	EN-GJL-250	CC493K-GC	A 743 Gr CF8M

(1) Material variant not available for monobloc diesel pumps

(2) Material variant not available for monobloc pumps

Material key

Code	Denomination	Other equivalents
EN-GJL-250	Grey cast iron	EN 1561: JL1040 (GG-25)
1.4404	Hot rolled chrome nickel molybdenum steel	1.4435, AISI-316L
A 351 Gr CF8M	Stainless steel	CF8M (ASTM A 351)
A 743 Gr CF8M	Stainless steel	CF8M (ASTM A 743)
CC491K-GS	Bronze	RG-5
CC493K-GC	Bronze	RG-7, CuSn5ZnPb5-C
CC480K-GS	Bronze	SN-10, CuSN10 -C-GS

6. Components

6.1 Shaft Seal

As standard, a simple mechanical seal is included. Check type in point 10.

6.2. Drive

As standard IP-55 IEC electric motor.

For non monobloc pumps, IM 1001 (IM B3) construction. For monobloc pumps, as standard, IM 3001 (IM B5) construction.

Combustion motor option for monobloc variant pumps

6.3. Bearings / Lubrication

The monobloc (M) construction does not have friction bearings

The non-monobloc construction has oil or grease lubricated bearings, depending on the size of the pump.

SIZE	CONSTRUCTION	LUBRICATION
AU-M1,5/2/3	Monobloc	Not applicable
AU-M50	Monobloc	Not applicable
AU-1,5/2/3	Bearing bracket	Lifelong
AU-50	Bearing bracket	Oil
AU-65	Support	Lifelong
AU-80	Bearing bracket	Grease
AU-100	Bearing bracket	Oil
AU-150	Support	Grease
AU-200	Support	Oil

6.4. Coupling

The monobloc (M) construction has a rigid coupling.

The non-monobloc construction is fitted with flexible coupling.

Coupling protector: As standard, coupling protector is provided.

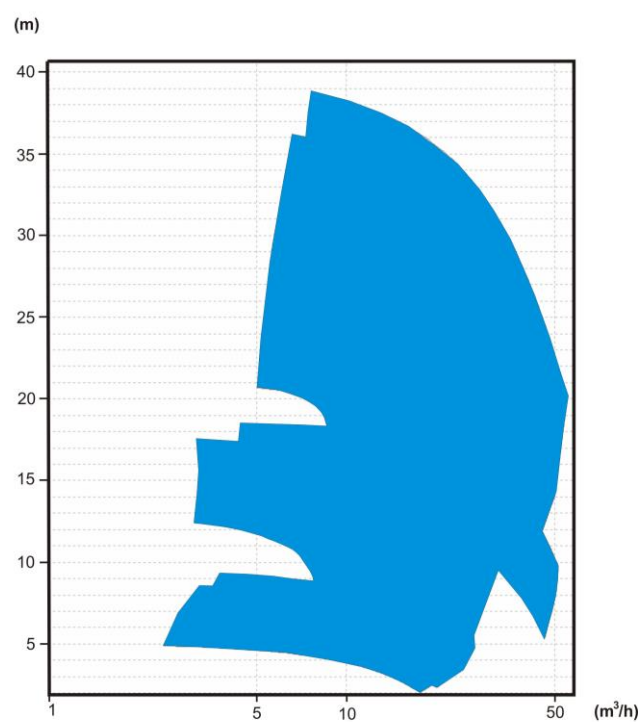
7. Certification

Certified quality management according to ISO-9001.

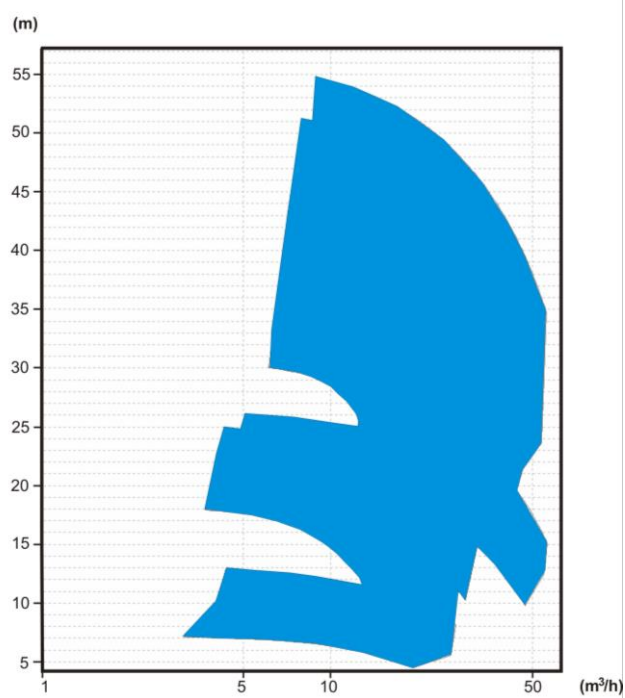
Note: ATEX Pump version depending on application. Consult KSB ITUR

8. Selection charts

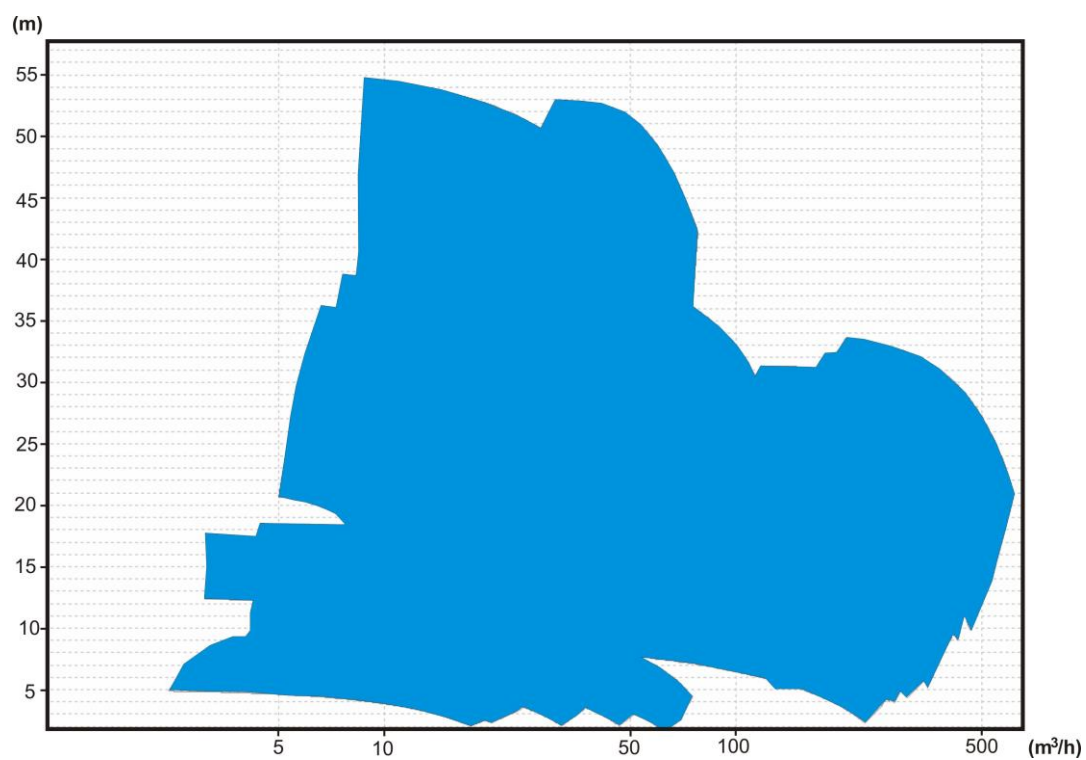
AU Monobloc 50 Hz



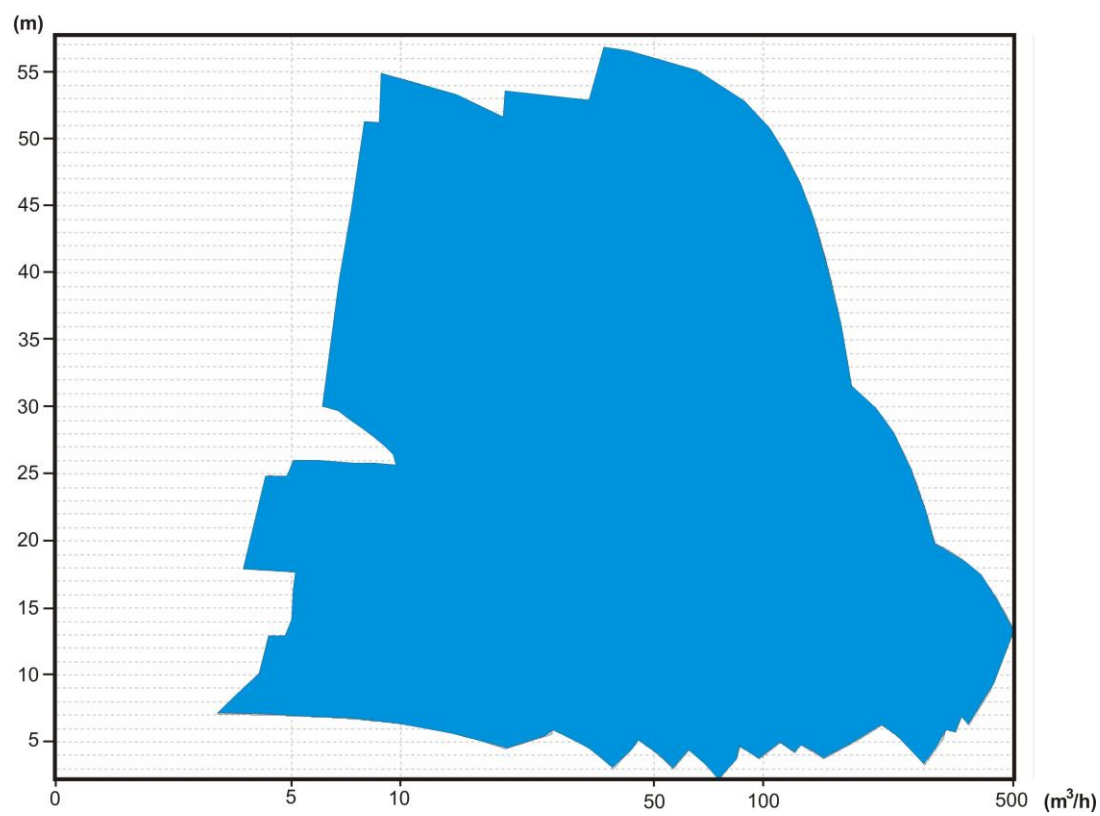
AU Monobloc 60 Hz



AU 50 Hz



AU 60 Hz

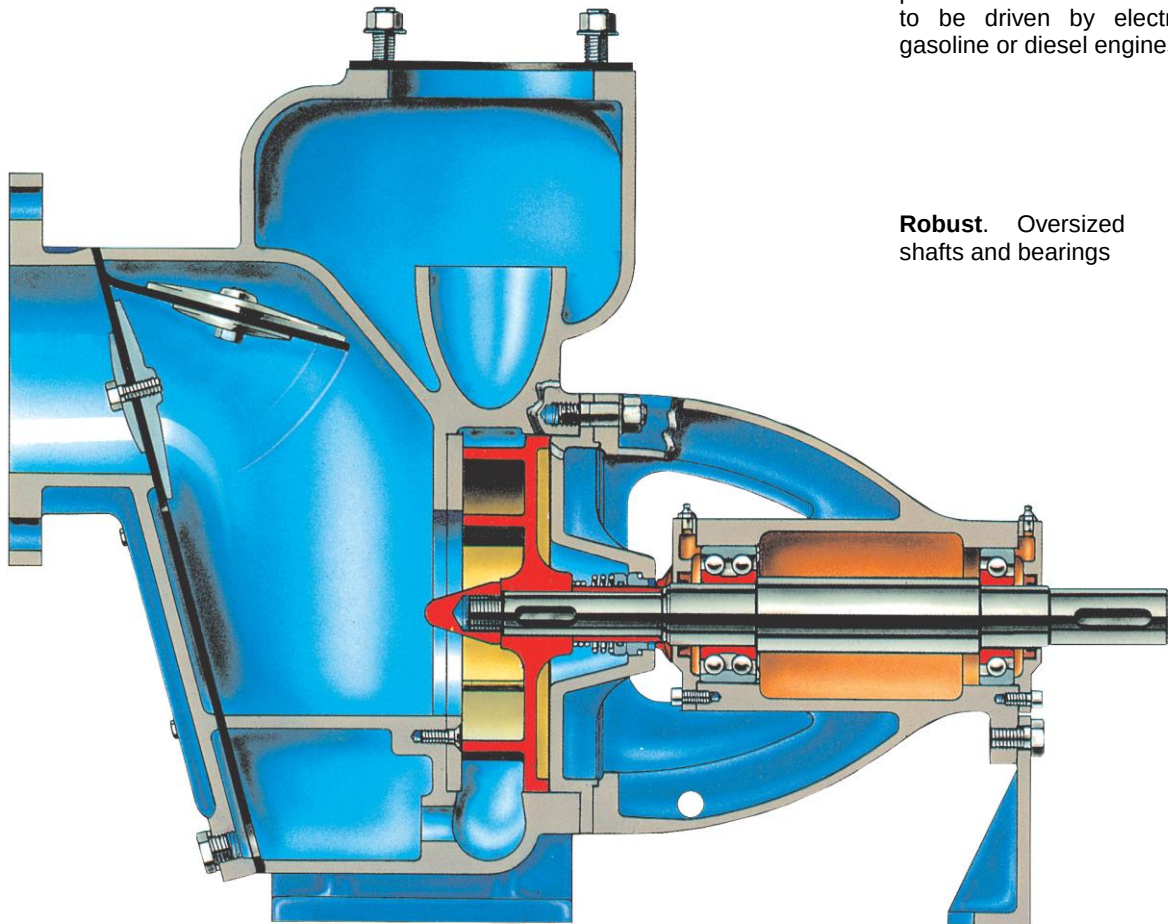


9. Benefits at a glance

AU Series

Self-priming, it is only necessary that pump casing remains filled by fluid

Versatile. Versions in bare shaft, monobloc, and pumpset on base plate... The AU Series are suitable to be driven by electric motor, gasoline or diesel engines



Robust. Oversized shafts and bearings

Pumping waste water. Semi opened impeller allowing a large ball passage, up to 68mm

Multiple accessories. Depending on the installation: base plate for a fixed installation, on a manual trolley, on a trailer with pneumatic wheels, brake for towing behind vehicle, etc.

10. Technical data

AU Monobloc Series

		AU MONOBLOC PUMP SIZE											
		Units	1,5/10	1,5/10/G	2/14	2/14/G	3/18	3/18/G	3/18/D	50/20	50/25	50/25/D	
General													
	Impeller outlet width	[mm]	10		14		18			20		25	
	Max. & min. Impeller Ø	[mm]	See individual curve										
Shaft Ø													
	At coupling	[mm]	19							24			
Motor frame			See point 11										
Shaft seal			Single mechanical seal										
	Design		DIN K (1)				ITUR 5H2						
	Size Ø	[mm]	20										

(1) Single Mechanical seal acc. to EN 12756 (DIN 24960)

AU Series

		AU PUMP SIZE																			
		Units	1,5/10	2/14	3/18	50/20	50/25	65/10	65/18	80/15	80/22	100/30	150/25	150/35	150/45	200/40A	200/40B	200/55A	200/55B	200/68A	200/68B
General																					
Impeller outlet width	[mm]	10	14	18	12,4	17,2	10	18	15	22	30	25	35	43,5	40	40	55	55	68	68	
Max. & min. Impeller Ø	[mm]	See individual curve																			
Solid sizes	[mm]	6	9	12	8	11	6	12	10	14	20	16	23	29	26	26	36	36	45	45	
% of solids	%	≤ 3%																			
	[g/l]	≤ 4 g/l																			
Shaft Ø																					
Under ball bearings	[mm]	20			25		30		25		30		45			50					
At coupling	[mm]	19			24				22			42									
Bearings																					
Ball bearings (pump side)		6304 (1)			7305		6206 (1)		3206 (1)		3305 (2)		3206 (2)		3309 (2)			3310 (2)			
Ball bearings (motor side)		6304 (1)			6305 (2)		6206 (1)		6206 (1)		6305 (4)		6206 (2)		6309 (3)			6310 (2)			
Motor frame		See point 11 (electric driven group dimensions over pedestal)																			
Shaft seal		Single mechanical seal																			
Design		DIN K (5)			ITUR 5H2		ITUR 5		ITUR 2												
Material combination	(STD)	Q1BPGG			VBPGG		VBPGG		U3U3VGG												
Size Ø	[mm]	20					28		25				40			50					

(1) Bearings type 2RS C3

(2) Bearings type C3

(3) Bearings type Z C3

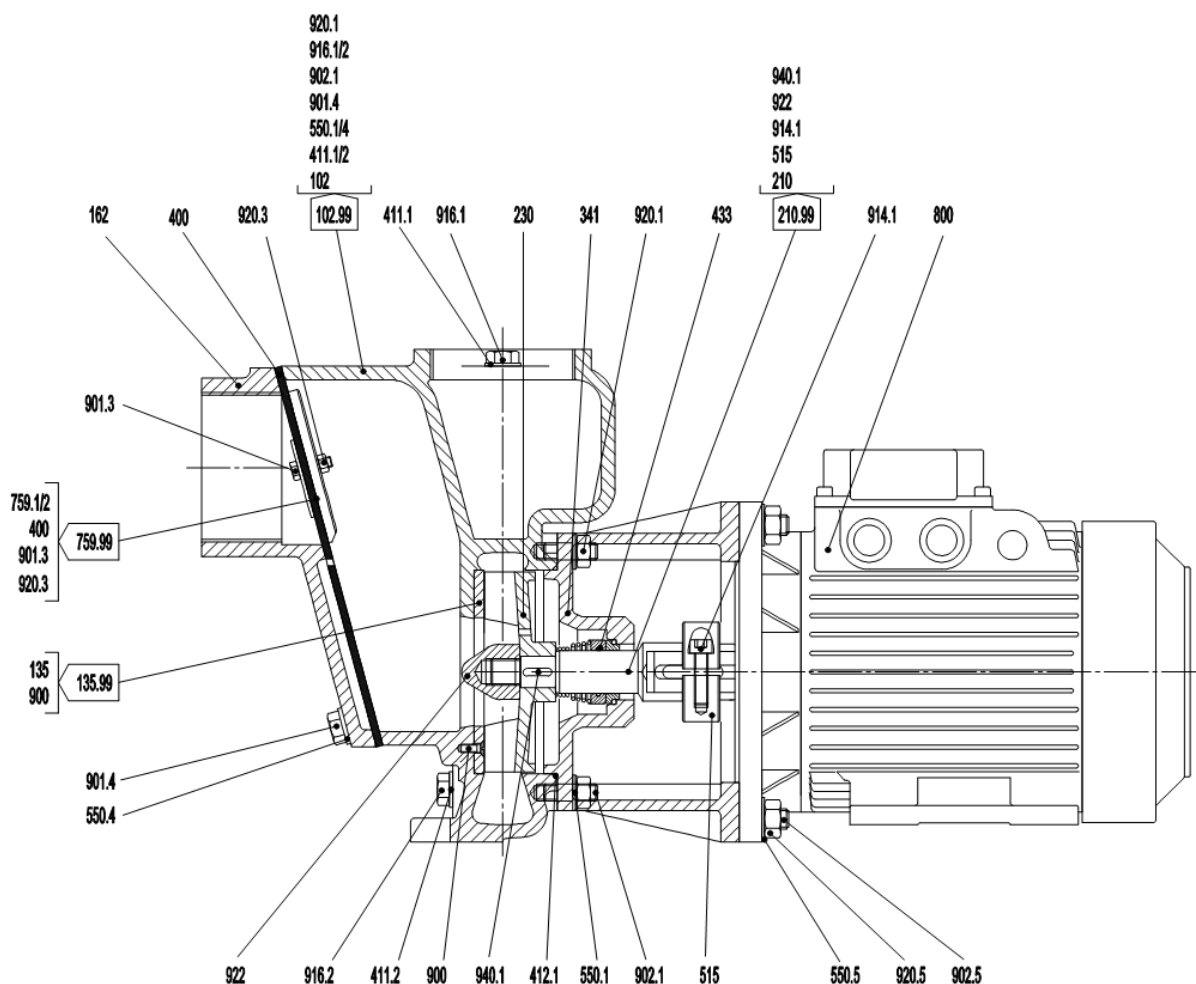
(4) Bearings type RS C3

(5) Single Mechanical seal acc. to EN 12756 (DIN 24960)

11. Cross drawings

	CROSS DRAWING											
AU MONOBLOC PUMP SIZE	1	2	3	4	5	6	7	8	9	10	11	12
M1,5/10	X	X (G)										
M2/14	X	X (G)										
M3/18	X	X (G)	X (D)									
M50/20				X								
M50/25				X	X (D)							
AU PUMP SIZE	1	2	3	4	5	6	7	8	9	10	11	12
1,5/10						X						
2/14						X						
3/18						X						
50/20							X					
50/25							X					
65/10								X				
65/18								X				
80/15									X			
80/22									X			
100/30										X		
150/25											X	
150/35											X	
150/45											X	
200/40												X
200/55												X
200/68												X

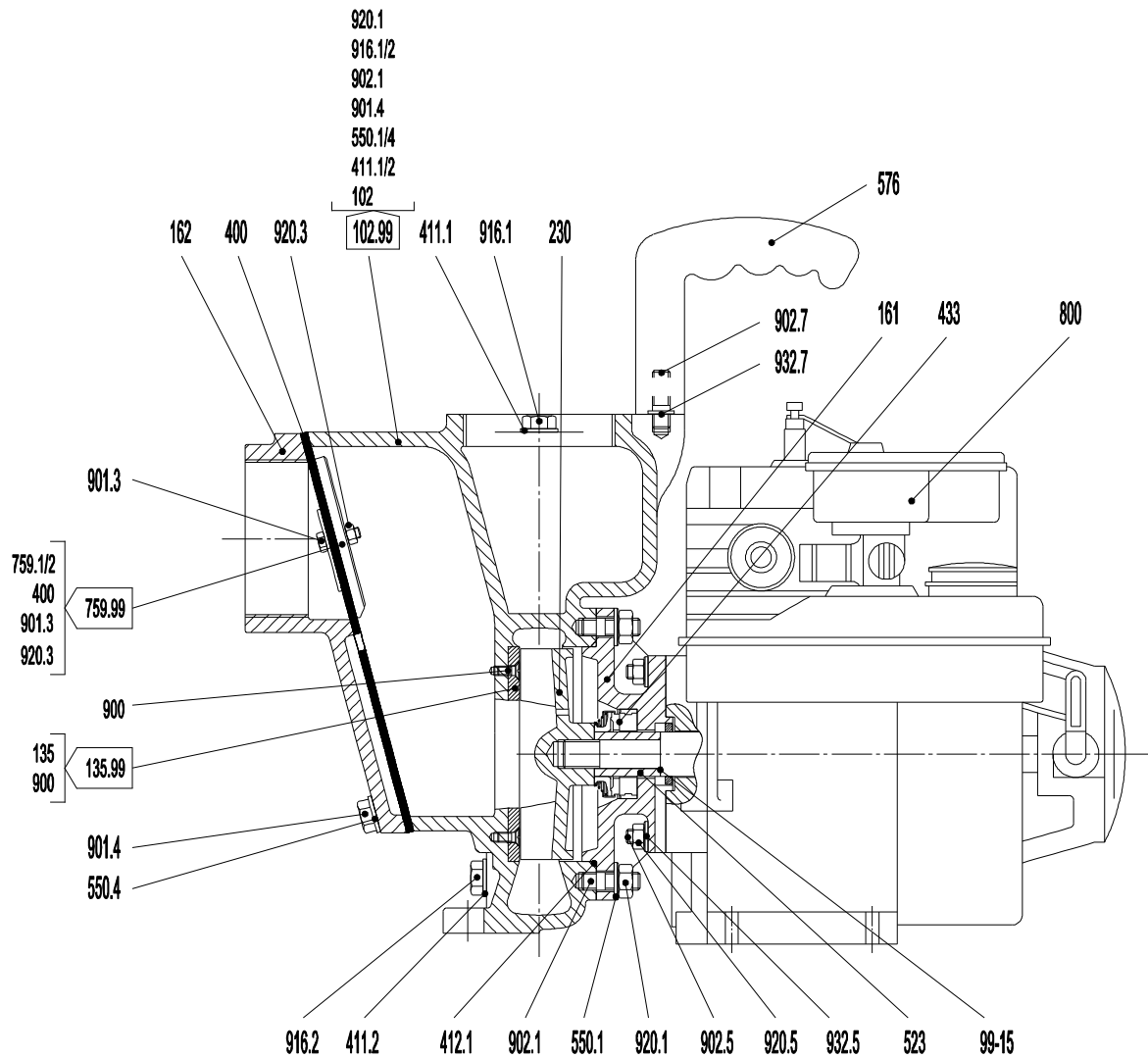
PUMP SIZE
M1,5/10
M2/14
M3/18



Ref.	Denominación
102	Volute casing
135	Wear plate
162	Suction cover
210	Shaft
230	Impeller
341	Motor stool
400	Gasket
411	Joint ring
412	O-ring
433	Mechanical seal
515	Taper lock ring

Ref.	Denominación
550	Washer
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key
550	Washer

PUMP SIZE
M1,5/10/G
M2/14/G
M3/18/G

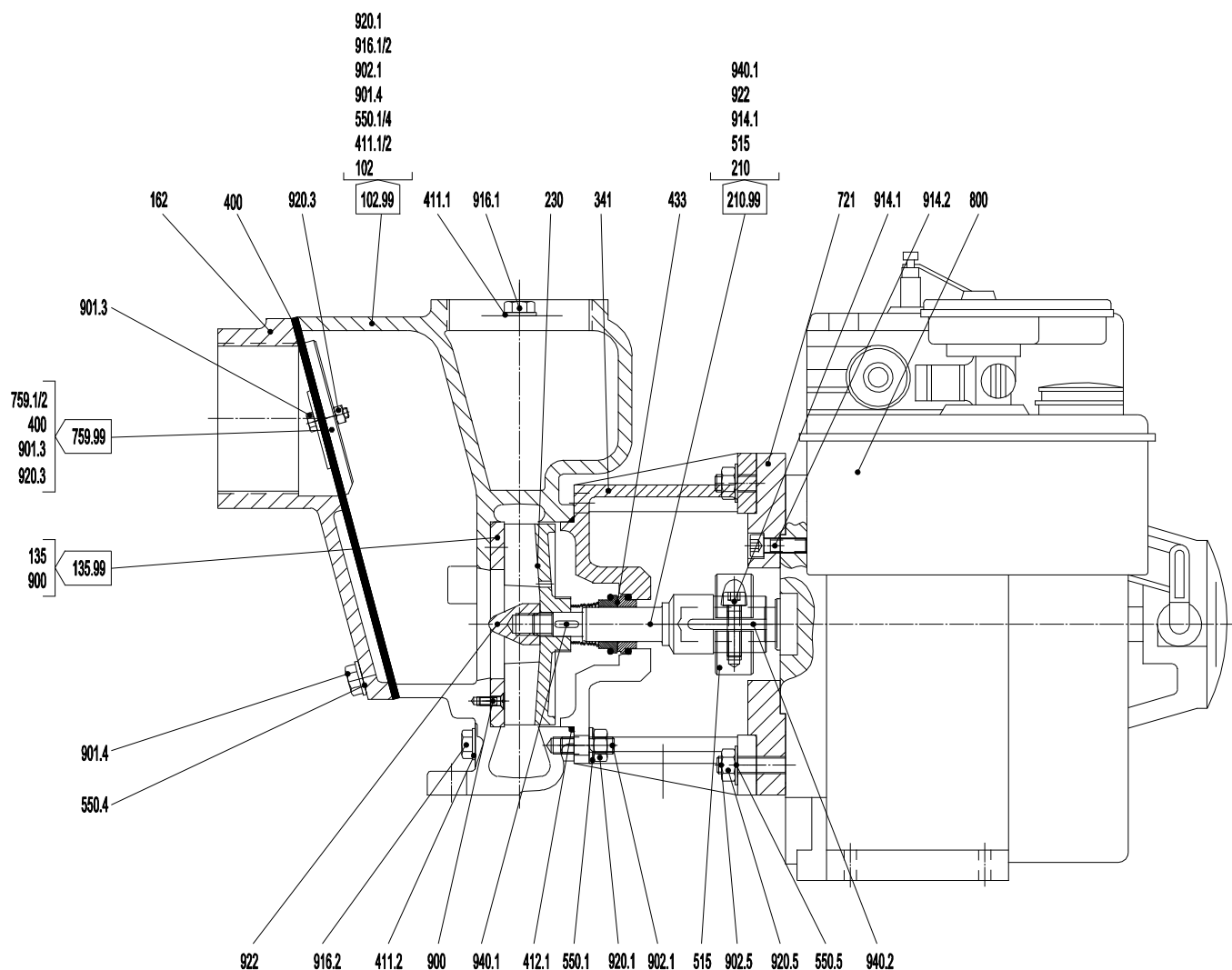


Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
230	Impeller
400	Gasket
411	Joint ring
412	O-ring
433	Mechanical seal
523	Shaft sleeve
550	Washer

Ref.	Denominación
576	Handle
759	Valve plate
800	Motor
900	Countersunk head screw
901	Hexagon head screw
902	Stud
916	Plug
920	Hexagon nut
932	Spring lock washer
99-15	Strip

PUMP SIZE

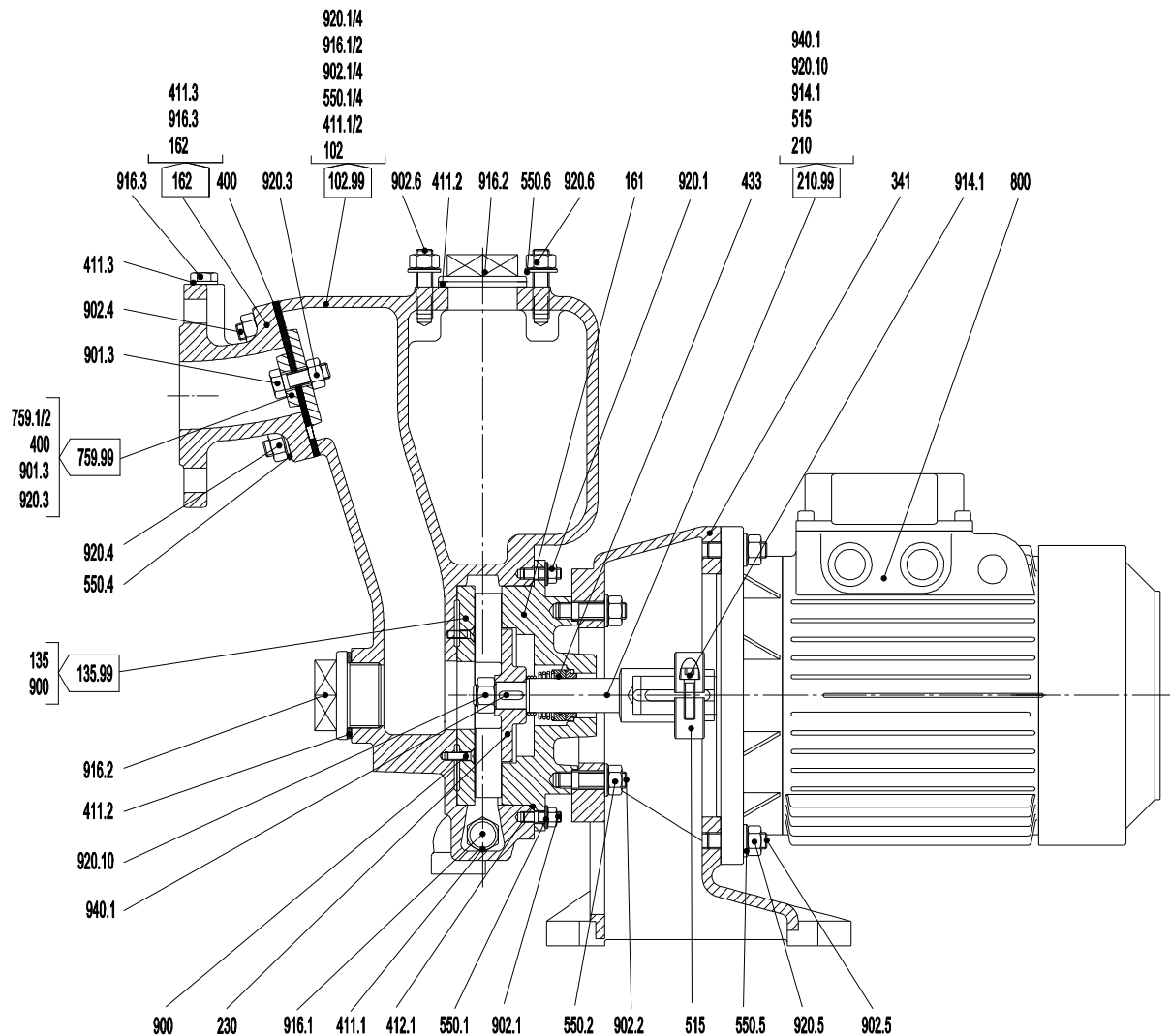
M3/18/D



Ref.	Denominación
102	Volute casing
135	Wear plate
162	Suction cover
210	Shaft
230	Impeller
341	Motor stool
400	Gasket
411	Joint ring
412	O-ring
433	Mechanical seal
515	Taper lock ring
550	Washer

Ref.	Denominación
721	Taper piece
759	Valve plate
800	Motor
900	Countersunk head screw
901	Hexagon head screw
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key

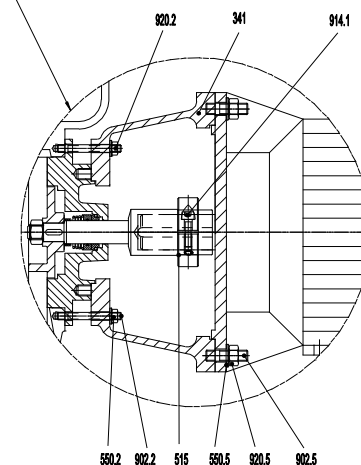
PUMP SIZE	
M50/20	M50/25



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
210	Shaft
230	Impeller
341	Motor stool
400	Gasket
411	Joint ring
412	O-ring
433	Mechanical seal

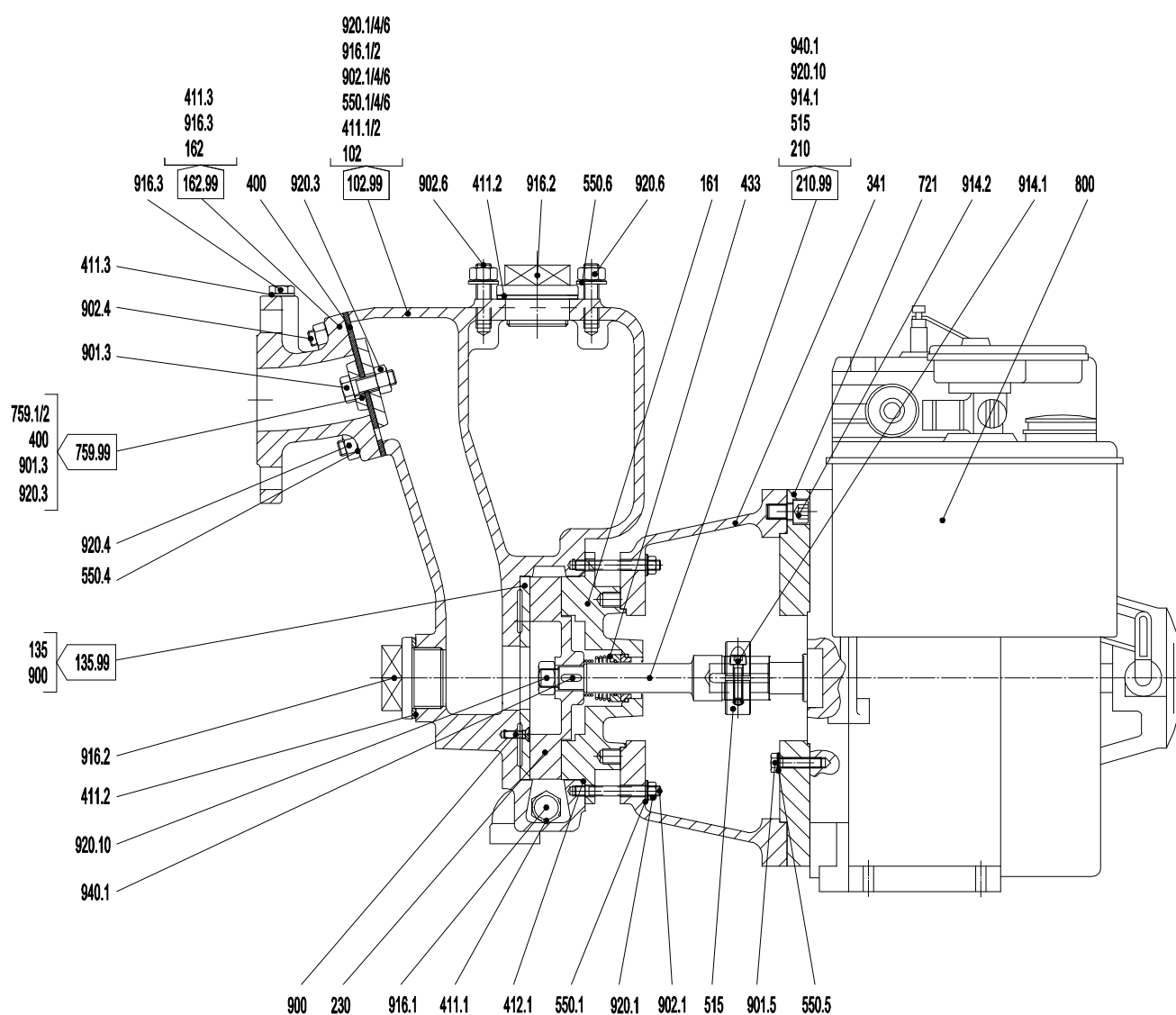
Ref.	Denominación
515	Taper lock ring
550	Washer
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
940	Parallel key

DETALLE ESPECIFICO DE LINTERNA MOTOR PARA CARCASAS 132
SPECIFIC DETAIL FOR MOTOR STOOL WITH 132 FRAMES



PUMP SIZE

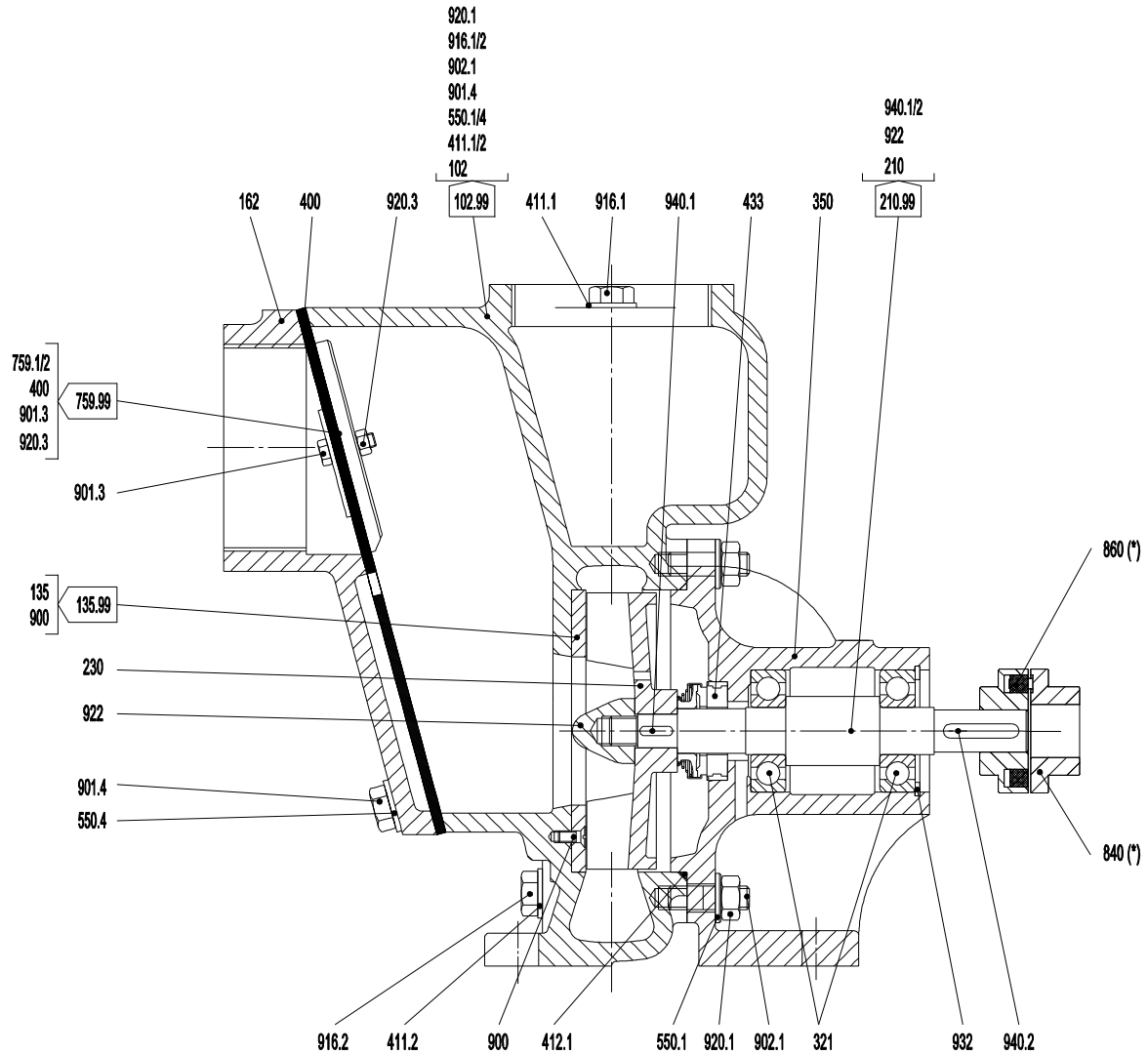
M50/25/D



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
210	Shaft
230	Impeller
341	Motor stool
400	Gasket
411	Joint ring
412	O-ring
433	Mechanical seal
515	Taper lock ring

Ref.	Denominación
550	Washer
721	Taper piece
759	Valve plate
800	Motor
900	Countersunk head screw
901	Hexagon head screw
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
940	Parallel key

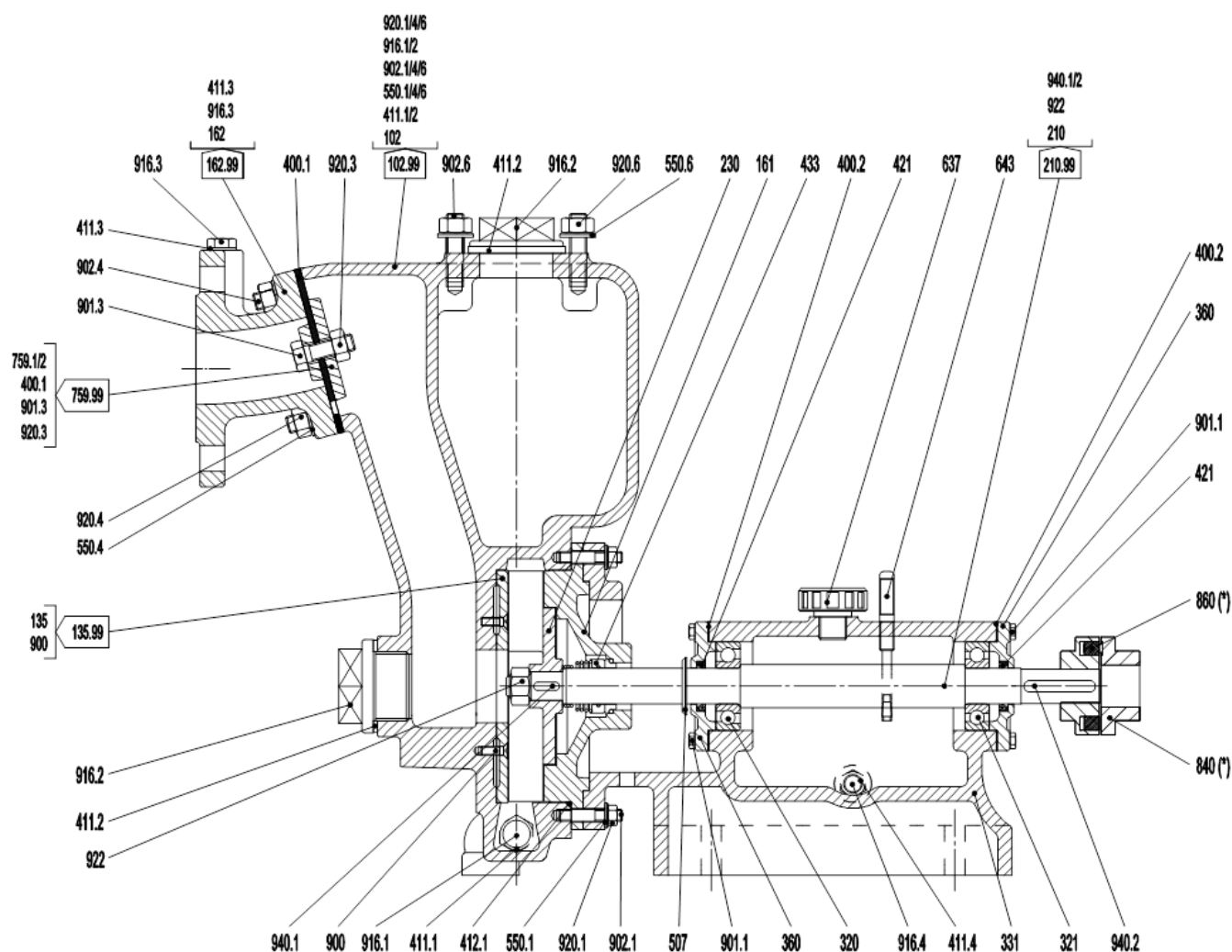
PUMP SIZE
1,5/10
2/14
3/18



Ref.	Denominación
102	Volute casing
135	Wear plate
162	Suction cover
210	Shaft
230	Impeller
321	Deep groove ball bearing
350	Bearing housing
400	Gasket
411	Joint ring
412	O-ring

Ref.	Denominación
433	Mechanical seal
550	Washer
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
916	Plug
920	Hexagon nut
922	Impeller nut
932	Circlip

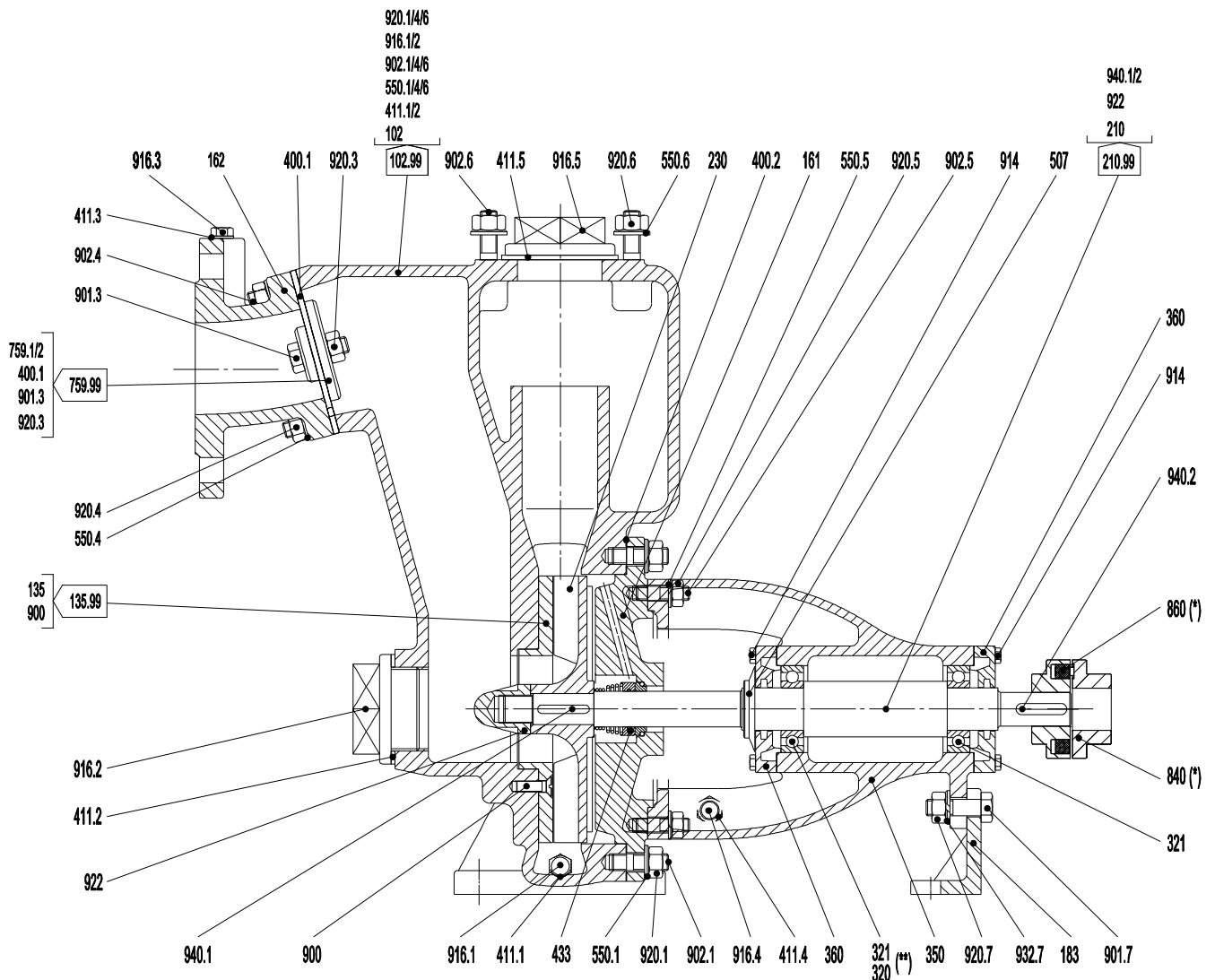
PUMP SIZE	
50/20	50/25



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
210	Shaft
230	Impeller
320	Angular contact ball bearing
321	Deep groove ball bearing
331	Bearing pedestal
360	Bearing cover
400	Gasket
411	Joint ring
411	Gasket
412	O-ring

Ref.	Denominación
433	Mechanical seal
507	Thrower
550	Washer
637	Oil filler plug
643	Oil dipstick
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key

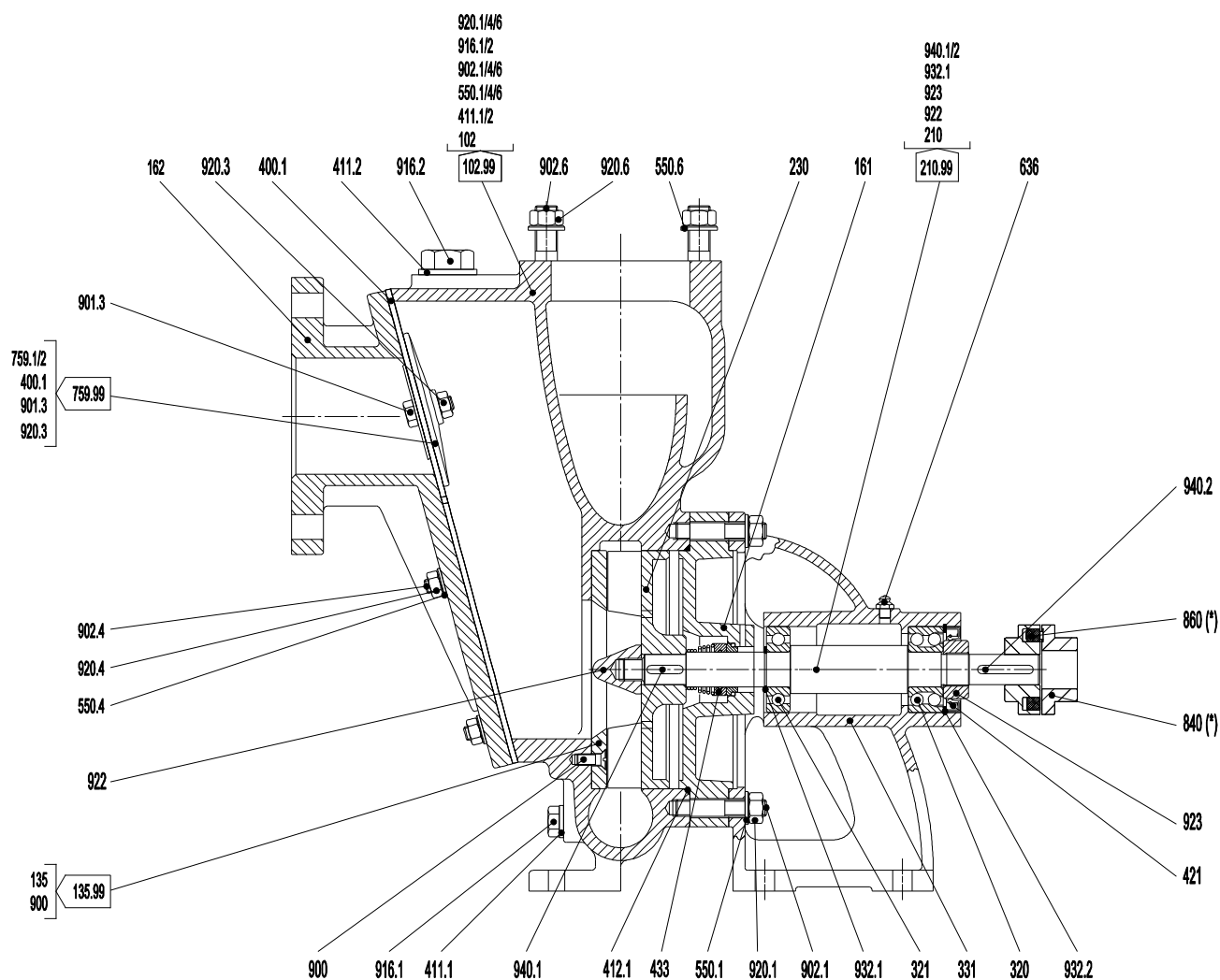
PUMP SIZE	
65/10	65/18



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
183	Support foot
210	Shaft
230	Impeller
321	Deep groove ball bearing
350	Bearing housing
360	Bearing cover
400	Gasket
411	Joint ring
433	Mechanical seal

Ref.	Denominación
507	Thrower
550	Washer
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
901	Hexagon head bolt
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
932	Spring lock washer

PUMP SIZE	
80/15	80/22

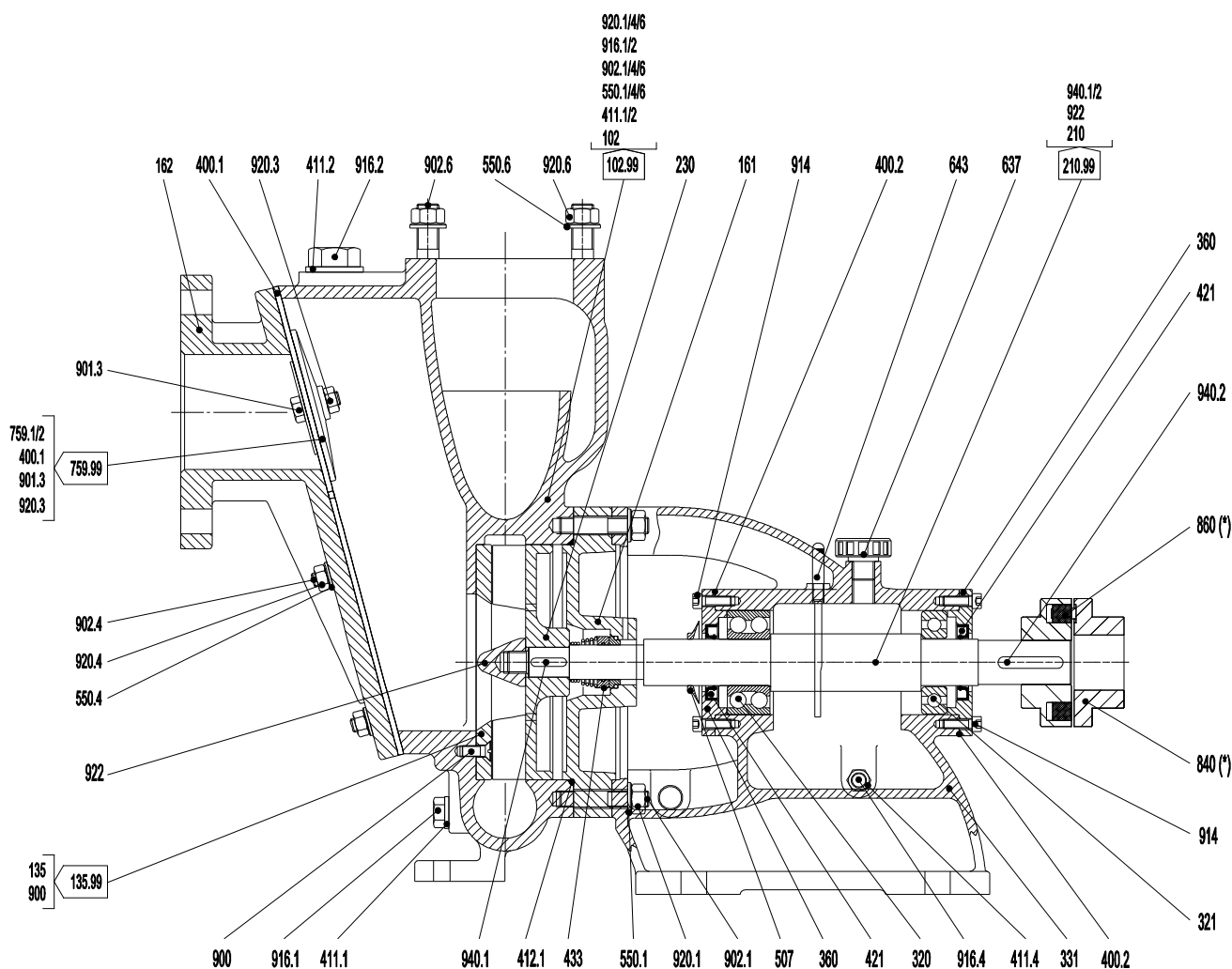


Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
210	Shaft
230	Impeller
320	Angular contact ball bearing
321	Deep groove ball bearing
331	Bearing pedestal
400	Gasket
411	Joint ring
412	O-ring
421	Radial lip seal

Ref.	Denominación
433	Mechanical seal
550	Washer
636	Grease nipple
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
916	Plug
920	Hexagon nut
922	Impeller nut
923	Bearing nut
932	Circlip
940	Parallel key

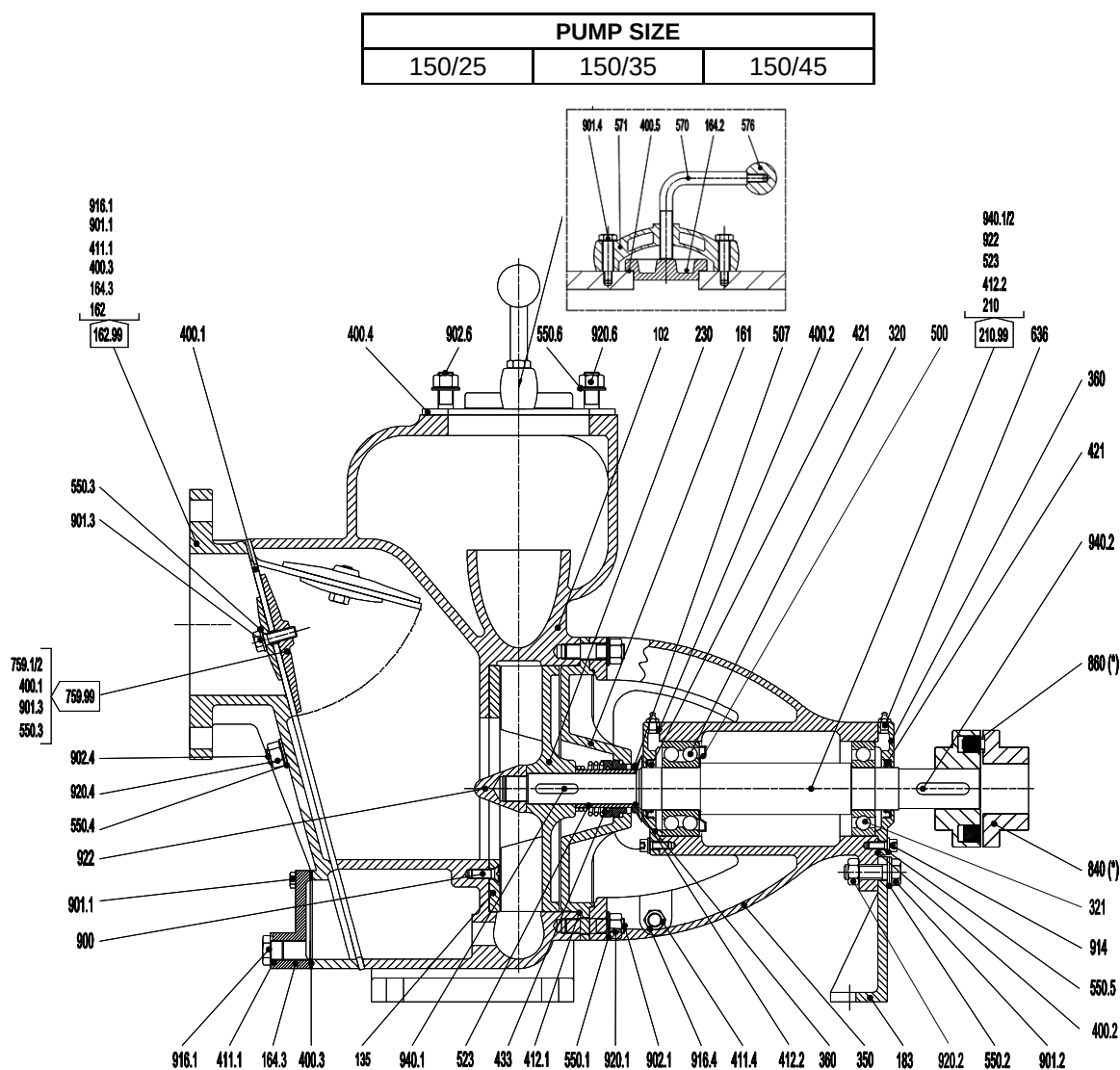
PUMP SIZE

100/30



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
210	Shaft
230	Impeller
320	Angular contact ball bearing
321	Deep groove ball bearing
331	Bearing pedestal
360	Bearing cover
400	Gasket
411	Joint ring
412	O-ring
421	Rotary shaft lip type seal

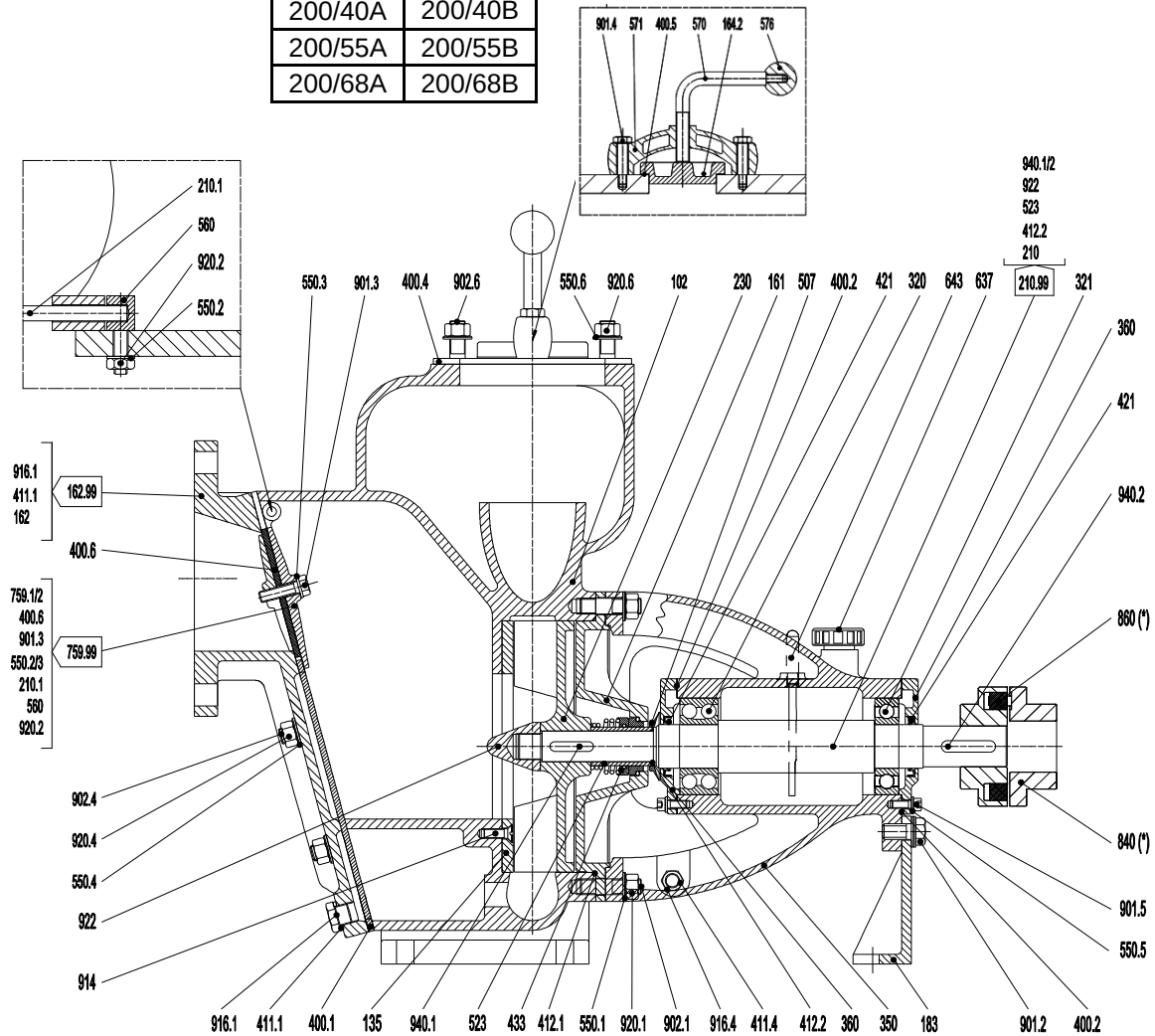
Ref.	Denominación
433	Mechanical seal
507	Thrower
550	Washer
637	Oil filler plug
643	Oil dipstick
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
164	Inspection cover
183	Support foot
210	Shaft
230	Impeller
320	Angular contact ball bearing
321	Deep groove ball bearing
350	Bearing housing
360	Bearing cover
400	Gasket
411	Joint ring
412	O-ring
421	Rotary shaft lip type seal
433	Mechanical seal
500	Nilos ring

Ref.	Denominación
507	Thrower
523	Shaft sleeve
550	Washer
570	Lever
571	Clamp
576	Handle
636	Grease nipple
759	Valve plate
900	Countersunk head screw
901	Hexagon head screw
901	Hexagon head bolt
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key

PUMP SIZE	
200/40A	200/40B
200/55A	200/55B
200/68A	200/68B



Ref.	Denominación
102	Volute casing
135	Wear plate
161	Casing cover
162	Suction cover
164	Inspection cover
183	Support foot
210	Shaft
230	Impeller
320	Angular contact ball bearing
321	Deep groove ball bearing
350	Bearing housing
360	Bearing cover

Ref.	Denominación
400	Gasket
411	Joint ring
412	O-ring
421	Rotary shaft lip type seal
433	Mechanical seal
507	Thrower
523	Shaft sleeve
550	Washer
560	Pin
570	Lever
571	Clamp
576	Handle

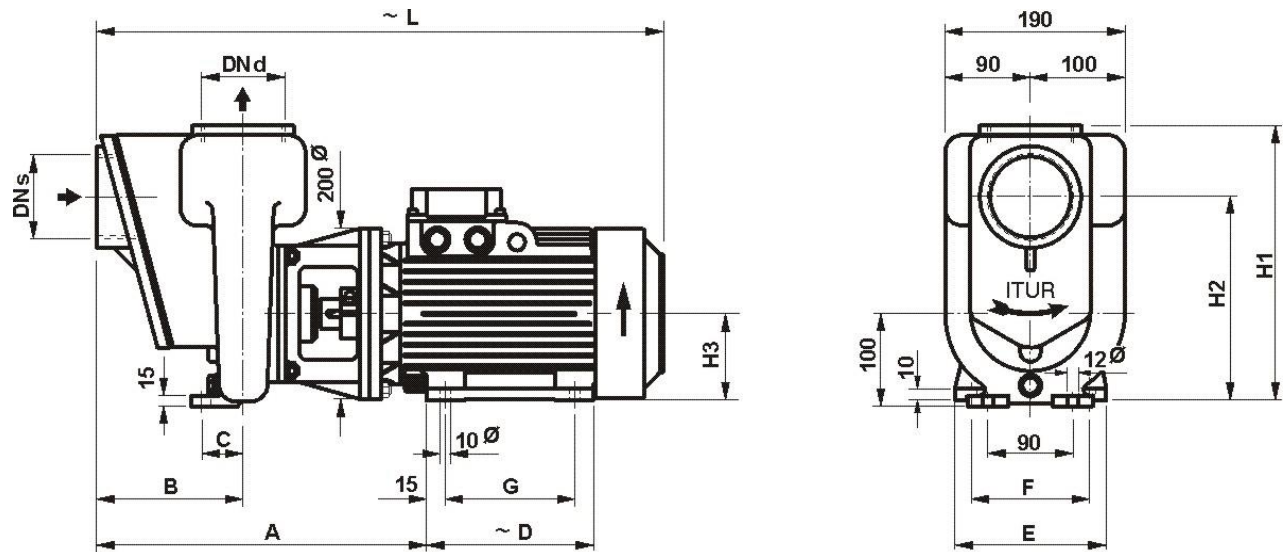
Ref.	Denominación
637	Oil filler plug
643	Oil dipstick
759	Valve plate
901	Hexagon head screw
901	Hexagon head bolt
902	Stud
914	Hexagon socket head cap screw
916	Plug
920	Hexagon nut
922	Impeller nut
940	Parallel key

PIEZA NO DISPONIBLE COMO REPUESTO INDIVIDUAL (Suministro en kit con el resto de piezas detalladas)
PART NOT AVAILABLE AS INDIVIDUAL SPARE PART (Supplied in kit with the detailed parts)

(*) PIEZA NO SUMINISTRADA PARA BOMBAS A EJE LIBRE
PART NOT SUPPLIED ON BARESHAFT PUMPS

12. Dimensions

AU MONOBLOC PUMP SIZE	DIMENSIONAL DRAWINGS											
	1	2	3	4	5	6	7	8	9	10	11	12
M1,5/10	X											
M2/14	X											
M3/18	X											
M3/18/D		X										
M50/20, M50/25 (Motor frame 100 & 112)			X	X								
M50/20, M50/25 (Motor frame 132)			X	X								
M50/25D					X							
AU PUMP SIZE	DIMENSIONAL DRAWINGS											
	1	2	3	4	5	6	7	8	9	10	11	12
1,5/10						X						
2/14						X						
3/18						X						
50/20							X					
50/25							X					
65/10								X				
65/18								X				
80/15									X			
80/22									X			
100/30									X			
150/25										X		
150/35										X		
150/45										X		
200/40											X	
200/55											X	
200/68											X	
Complete pumpset on baseplate												X

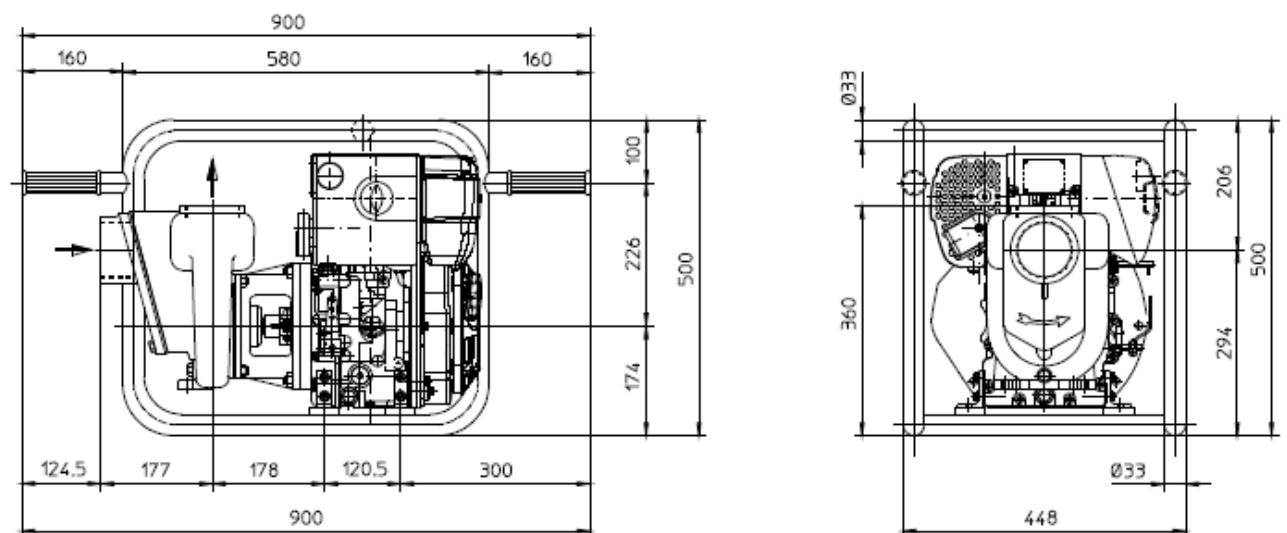
AU MONOBLOC ELECTRIC DRIVEN PUMP (1,5/10; 2/14; 3/18)

Dimensional 1

PUMP	DNs	DNd	A	B	C	D	E	F	G	H1	H2	Motor frame(H3)	L (~)	Weight (~) [kg]
AU-M1,5/10	1,5"	1,5"	305	120	35	118	160	125	100	265	200	80	489	28 (1)
						143			125			90 S	530	32
												90 L		35
AU-M2/14	2"	2"	315	120	35	118	175	140	100	275	210	80	499	29 (1)
						143			125			90 S	540	33
												90 L		36
AU-M3/18	3"	3"	351	155	40	118	175	140	100	285	210	80	535	32 (1)
						143			125			90 S		36
												90 L	576	39

(1) For 1,3 kW Motors:
flanges

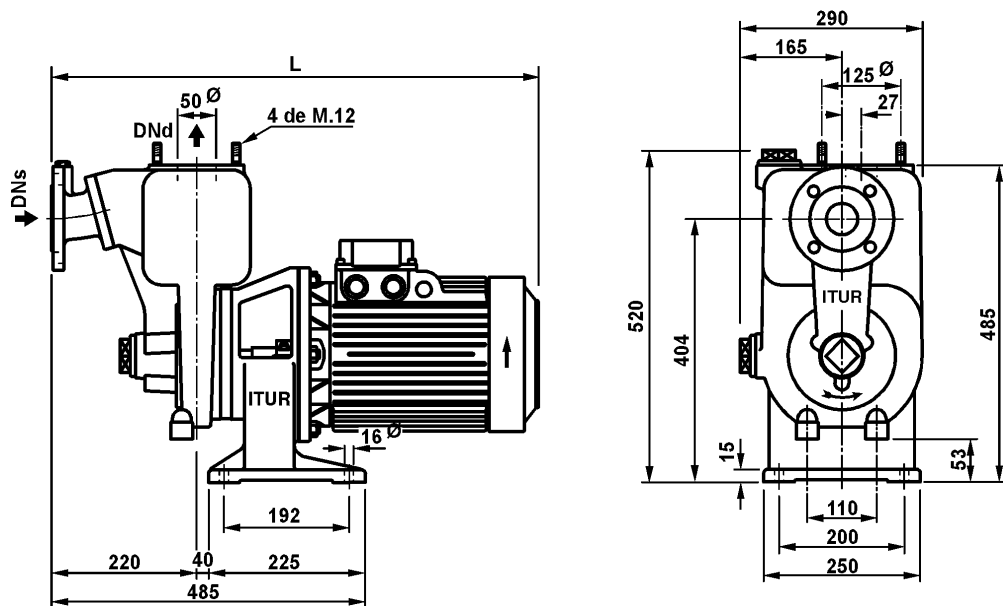
AU-M1,5/10, 30 kg
AU-M2/14, 31 kg.
AU-M3/18, 34 kg

Dimensions in mm, except weight and

AU MONOBLOC DIESEL MOTOR PUMP (3/18D)

Dimensional 2

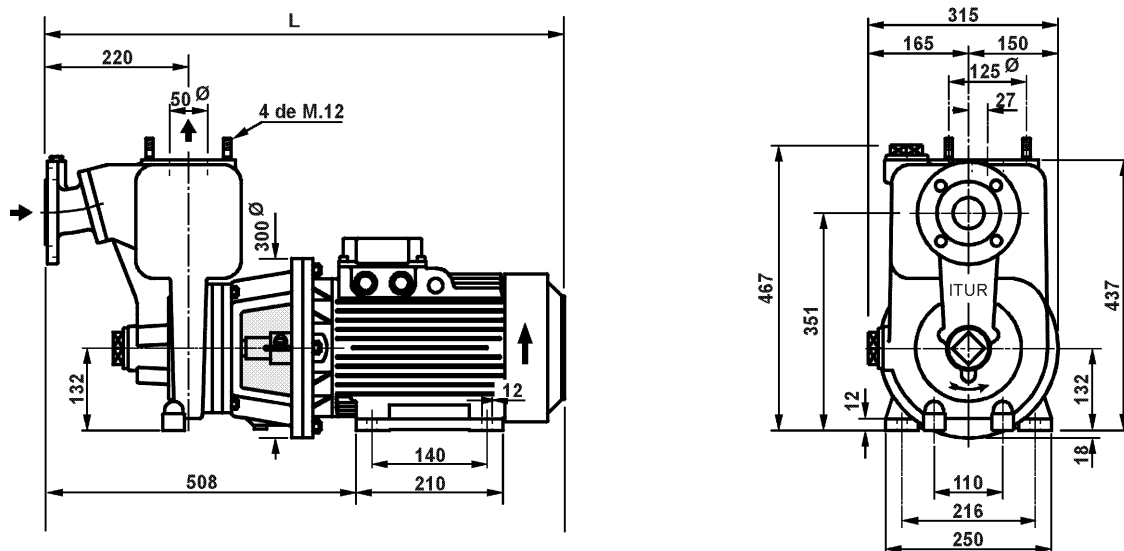
PUMP	DNs	DNd	Motor	Motor power	Weight (~) [kg]
AU-M3/18/D	3"	3"	Hatz 1B20	3,1 kW (at 3000 rpm)	68

AU-M50/-- MONOBLOC ELECTRIC DRIVEN PUMP



Motor frames 100 y 112

Dimensional 3



Motor frame 132

Dimensional 4

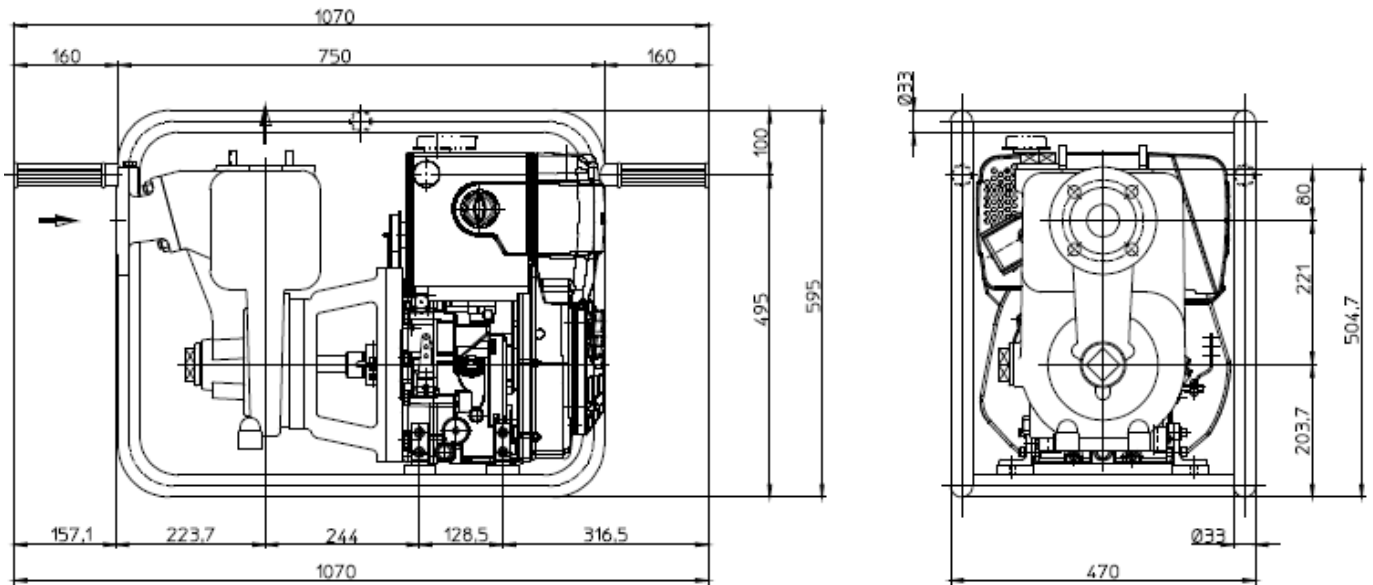
PUMP	DNs(2)	DNd(3)	L (-)	Motor frame	Weight (-) [kg]
AU-M50/20 AU-M50/25	50	50	755	100 L	95
			776	112 M	102
			813	132 S	112 (1)

(1) For 8,6 kW motors, 121 kg. weight

(2) EN 1092 PN10

(3) To connect with DN 50 flange according to EN 1092 PN10

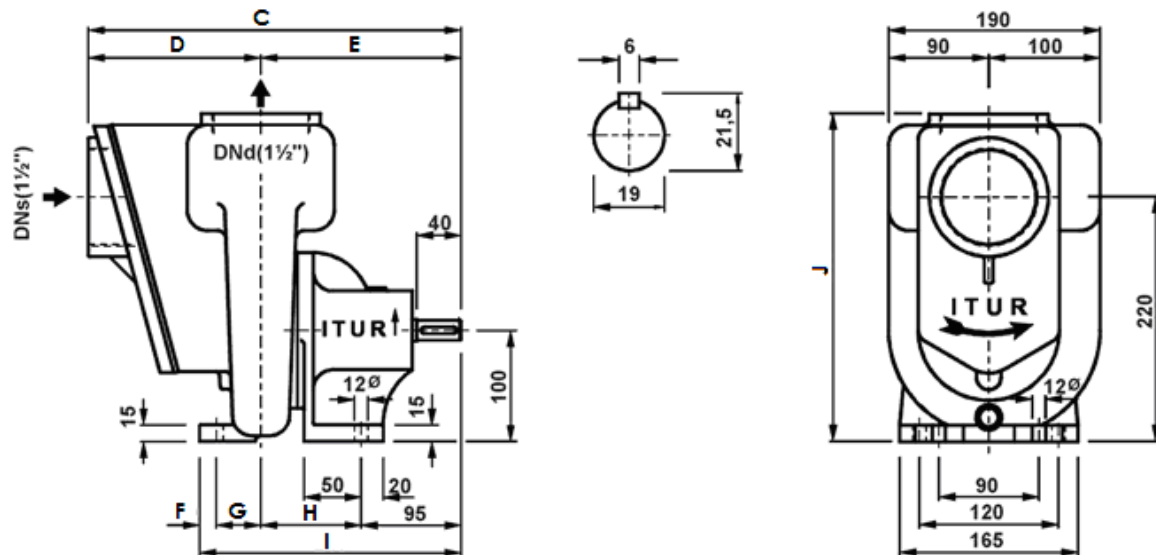
Dimensions in mm, except weight

AU MONOBLOC DIESEL MOTOR PUMP (50/25D)

Dimensional 5

PUMP	DNs(1)	DNd(2)	Motor	Motor Power	Weight (~) [kg]
AU-M50/25/D	50	50	Hatz 1B40	6,8 kW (at 3000 rpm)	142

(1) EN 1092 PN10

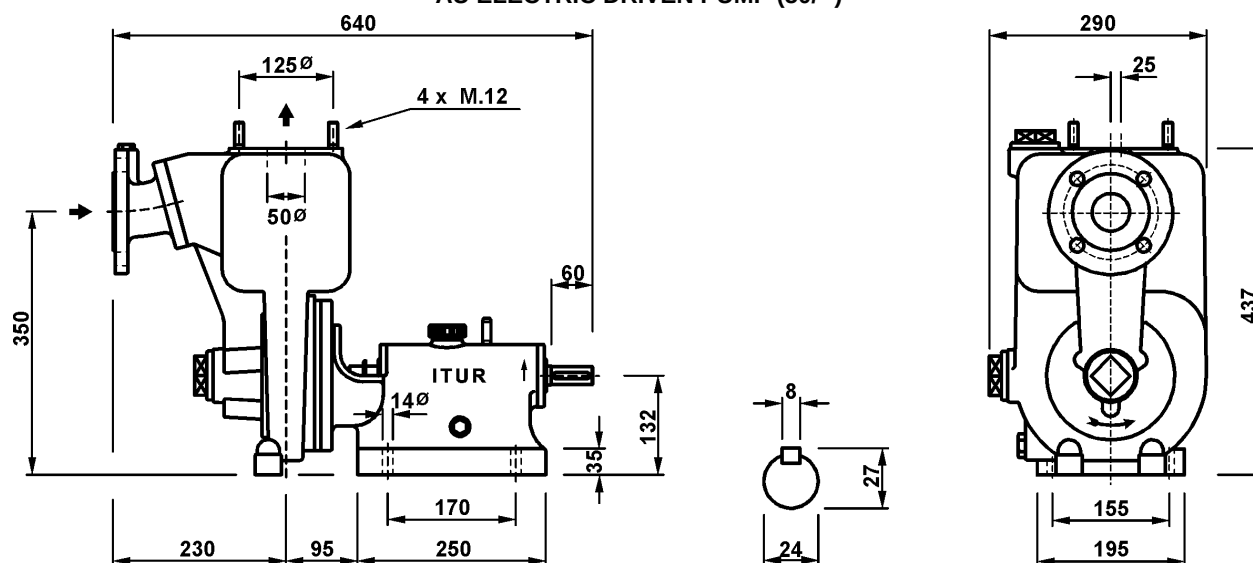
(2) To connect with DN 50 flange according to EN 1092 PN10

AU ELECTRIC DRIVEN PUMP (1,5/10; 2/14; 3/18)

Dimensional 6

AU PUMP	DNs	DNd	C	D	E	F	G	H	I	J
AU-1,5/10	1,5"	1,5"	315	120	195	10	35	100	240	285
AU-2/14	2"	2"	315	120	195	10	35	100	240	285
AU-3/18	3"	3"	345	160	185	10	35	90	230	295

Dimensions in mm except flanges

AU ELECTRIC DRIVEN PUMP (50/--)



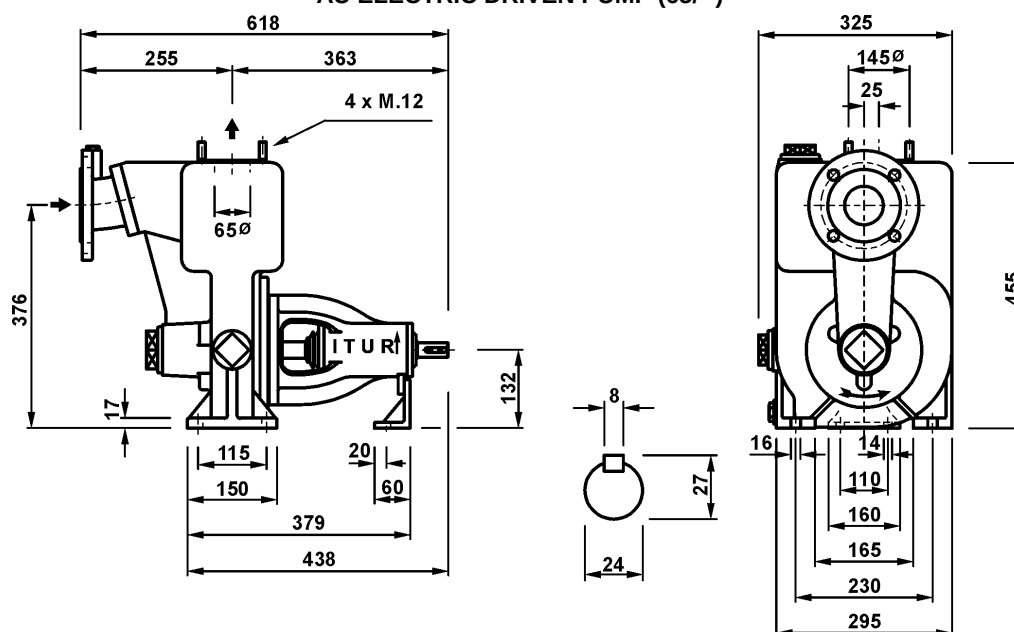
Dimensional 7

PUMP	DNs(1)	DNd(2)
AU-50/20	50	50
AU-50/25	50	50

(1) EN 1092 PN10

(2) To connect with DN 50 flange according to EN 1092 PN10

AU ELECTRIC DRIVEN PUMP (65/--)



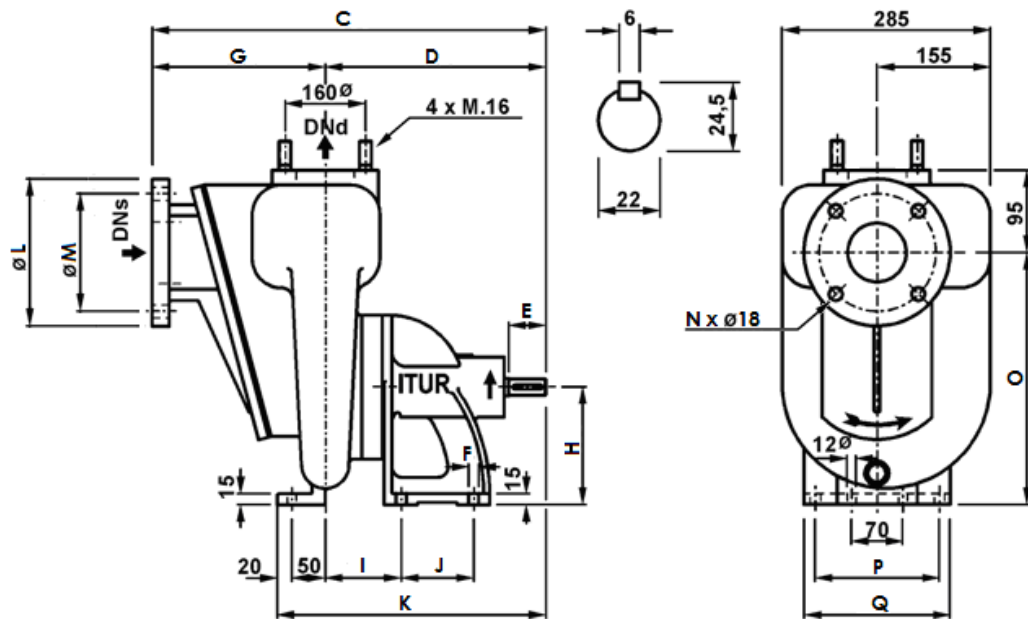
Dimensional 8

PUMP	DNs(1)	DNd(2)
AU-65/10	65	65
AU-65/18	65	65

(1) EN 1092 PN10

(2) To connect with DN 65 flange according to EN 1092 PN10

AU ELECTRIC DRIVEN PUMP (80/-- & 100/--)



Dimensional 9

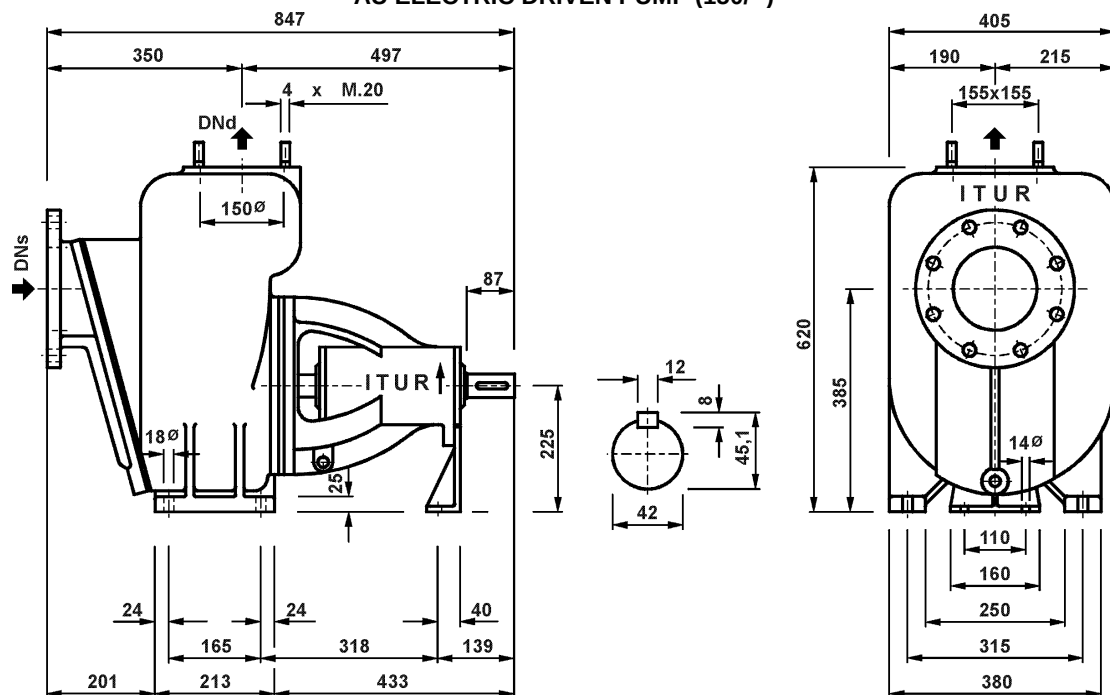
PUMP	DNS	DNd (1)	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
AU-80/15	80 (1)	80	535	300	50	14	235	160	100	100	370	200	160	4	360	170	196
AU-80/22	80 (1)	80	535	300	50	14	235	160	100	100	370	200	160	4	360	170	196
AU-100/30	100 (2)	100	600	350	52	15	250	160	114	160	420	220	180	8	360	125	160

(1) To connect with DN 80 flange according to EN 1092 PN10
mm

Dimensions in

(2) EN 1092 PN10

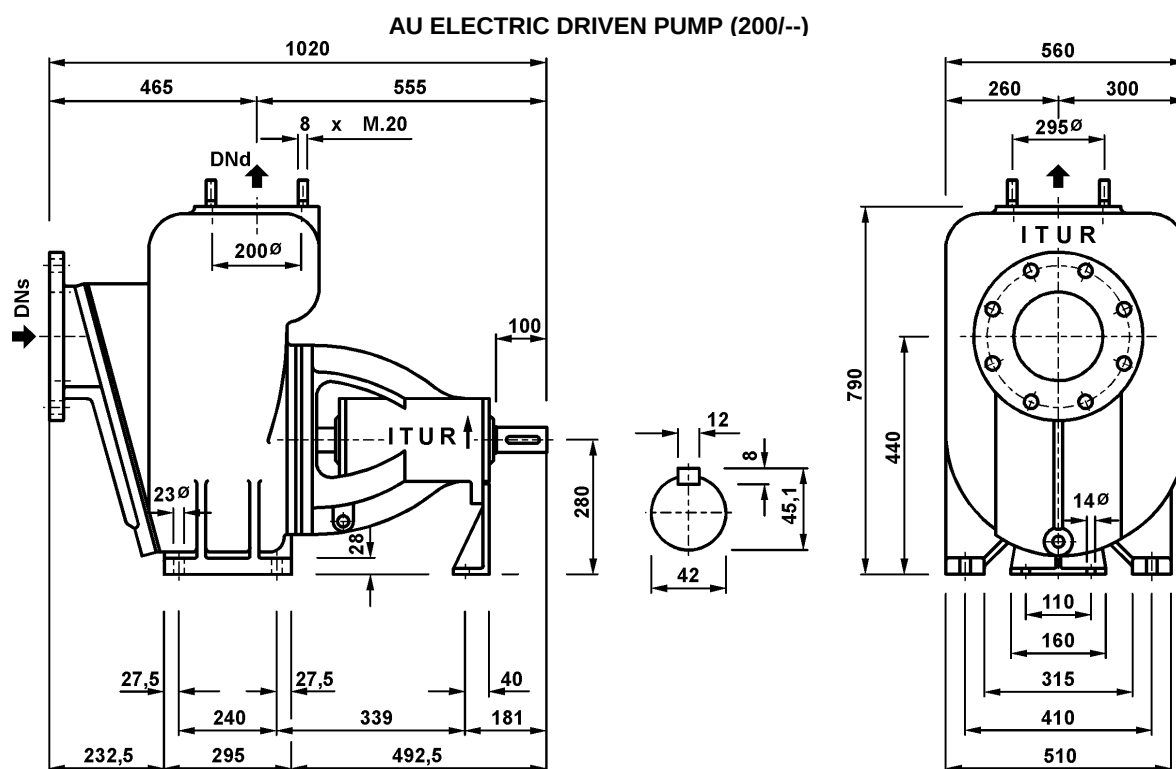
AU ELECTRIC DRIVEN PUMP (150/--)



Dimensional 10

AU PUMP	DNS(1)	DNd
AU-150/--	150	150

(1) EN 1092 PN10



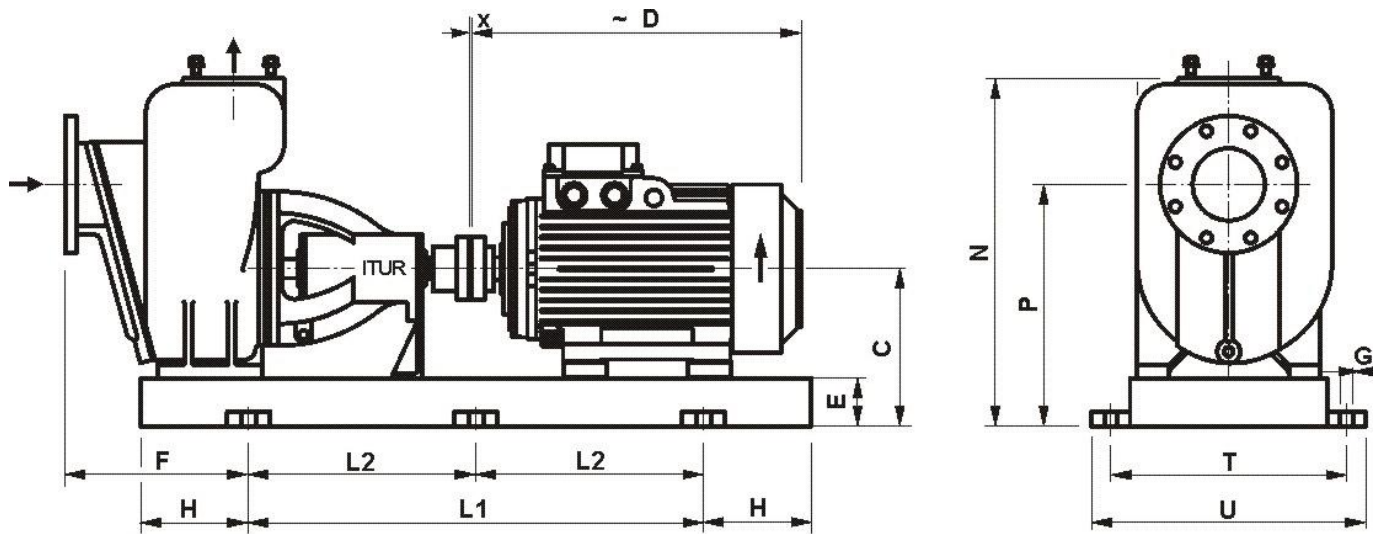
Dimensional 11

AU PUMP	DNs(1)	DNd(2)
AU-200/--	200	200

(1) EN 1092 PN10

(2) To connect with DN 200 flange according to EN 1092 PN10

ELECTRIC DRIVEN GROUP DIMENSIONS (COMPLETE PUMPSET ON BASEPLATE)



Pump sizes	Motor frame	C	D	E	F	G	H	L1	L2	N	P	T	U	x
AU-1,5/10	80	165	274	50	175	18	100	300	0	350	285	260	300	4
	90		331					400						
	100	170	372		190		115	390		355	290	320	360	
	112	182	393							367	302			
AU-2/14	80	165	274	50	175	18	100	300	0	360	285	260	300	4
	90		331					400						
	100	170	372		190		115	390		355	290	320	360	
	112	182	393							367	302			
AU-3/18	80	165	274	50	215	18	100	300	0	360	285	260	300	4
	90		331					400						
	100		372		230		115	390		365	290	320	360	
	112		393							377	302			
	132		453		240		125	500		397	322	400	440	
AU-50/20	90	197	331	50	305	18	125	520	0	502	415	320	360	4
	100		372											
	112		393											
	132	202	453		330		150	580		507	420	350	390	
	160	230	588					700		535	448	430	470	
AU-50/25	90	197	331	50	305	18	125	520	0	502	415	320	360	4
	100		372											
	112		393											
	132	202	453		330		150	580		507	420	350	390	
	160	230	588					700		535	448	430	470	
AU-65/10	132	202	453	50	285	18	125	600	0	525	446	400	440	4
	160	230	588		310		150	700		553	474	430	470	
	180	250	712							573	494			
AU-65/18	132	202	453	50	285	18	125	600	0	525	446	400	440	4
	160	230	588		310		150	700		553	474	430	470	
	180	250	712							573	494			

Note : For bare shaft pump dimensions, check dimensional drawings on previous pages
All dimensions in mm

Pump sizes	Motor frame	C	D	E	F	G	H	L1	L2	N	P	T	U	x
AU-80/15	112	225	393	50	285	18	125	520	0	520	425	320	360	4
	132		453		310		150	580				350	390	
	160	230	588					700				525	430	
	180	250	712									545	450	
AU-80/22	112	225	393	50	285	18	125	520	0	520	425	320	360	4
	132		453		310		150	580				350	390	
	160	230	588					700				525	430	
	180	250	712									545	450	
AU-100/30	112	225	393	50	285	18	125	520	0	520	425	320	360	4
	132		543		310		150	580				350	390	
	160	230	588					700				525	430	
	180	250	712									545	450	
AU-150/25	112	325	393	85	330	18	150	800	0	720	485	480	520	4
	132		453											
	160		588				250	750						
	180		712											
	200		770					870				580	620	
AU-150/35	112	325	393	85	330	18	150	800	0	720	485	480	520	4
	132		453											
	160		588				250	750						
	180		712											
	200		770					870				580	620	
AU-150/45	132	325	453	85	330	18	150	800	0	720	485	480	520	4
	160		588				250	750						
	180		712											
	200		770					870				580	620	
AU-200/40	160L	380	588	85	430	18	250	860	0	890	540	630	670	4
	180		712											
	200		770				100	1300						
	225		806											
	250		887											6
AU-200/55	160L	380	588	85	430	18	250	860	0	890	540	630	670	4
	180		712											
	200		770				100	1300						
	225		806											
	250		887											6
AU-200/68	160L	380	588	85	430	18	250	860	0	890	540	630	670	4
	180		712											
	200		770				100	1300						
	225		806											
	250		887											6

Note : For bare shaft pump dimensions, check dimensional drawings on previous pages
All dimensions in mm

13. Pump surface

As standard phosphate primer of 10-15 microns thickness and an enamel finish coat of 40-60 microns. Total minimum thickness of 50 microns. Final coat colour blue RAL 5002. Painted surface maximum temperature 60 °C. Other coatings upon request.

14. Recommended stock of spare parts for two years continuous operation

Ref.	Denomination	Number of pumps (including standby pumps)						
		1-2	3	4	5	6-7	8-9	10 and more
400/411/412	Joints (set)	2	3	4	5	6	7	90%
433	Mechanical seal	2	3	4	5	6	7	90%
135	Wear plate	1	1	2	2	2	3	30%
320/321	Antifriction bearing (set)	1	1	2	2	2	3	30%
421	Shaft seal ring (set)	1	1	2	2	2	3	30%
507	Thrower	1	1	2	2	2	3	30%
523	Shaft sleeve	1	1	2	2	3	4	50%
860	Coupling flexible (set)	1	1	2	2	2	3	30%
922	Impeller nut	1	1	2	2	2	3	30%
932	Circlip (set)	1	1	2	2	2	3	30%
940	Parallel key (set)	1	1	2	2	2	3	30%
210	Pump shaft(s) (set)	1	1	2	2	2	3	30%
230	Impeller	1	1	2	2	2	3	30%
840	Coupling	1	1	2	2	2	3	30%

This page has deliberately been left blank

This page has deliberately been left blank

