VS PUMP RANGE

CRESTPUMPS

LIQUID, RING **VACUUM PUMPS**

- CAPACITY < 1600 M³/Hr
- MODULAR DESIGNS
- CORROSION RESISTANT
- ROBUST DURABLE CONSTRUCTION
- HIGH VACUUM PERFORMANCE
- FLEXIBLE MOUNTING OPTIONS

Part of the
Salvatore Robuschi
Pump Range

INCREASED EFFICIENCY

The VS series features a single-stage pump with exhaust valves and is available in the following configurations: close-coupled, lantern bracket with coupling, or mounted on a baseplate for motor sizes above 11 kW.

The close-couple and lantern bracket configurations feature standardized IEC motors, ensuring easier maintenance. The pumps are manufactured in various materials and are always equipped with a SS AISI 316L distribution plate. They are suitable for achieving vacuum levels as low as 33 mbar and handling capacities ranging from 35 to 1600 m³/hr.

The new VS series incorporates innovative solutions to enhance the reliability and usability of the pumps, with special attention given to optimising service liquid consumption.

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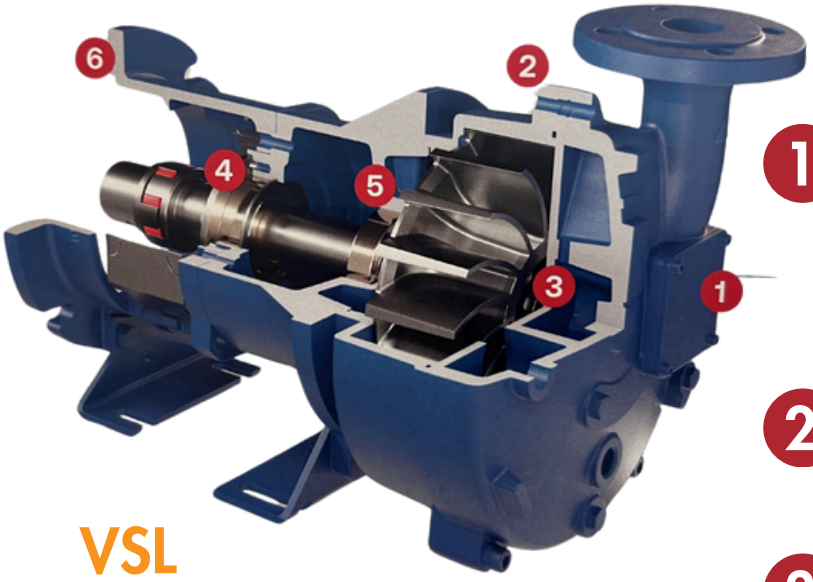

VSL

1. Quick and easy access to the distribution valve, externally accessible and replaceable in just minutes for minimal downtime.

2. Solid gaskets to simplify and speed up maintenance.

3. Practical & quick adjustment using a standard Allen key, without the need to remove the impeller.

4. Heavy-duty, lifetime-lubricated bearings
5. are sized for maximum durability and are ideal for the most demanding conditions. The pump-side bearing is protected from external contanimation by a lip seal.

VSM

6. The lantern version is designed for maximum versatility. Equipped with an elastic coupling, it allows the installation of higher power motors to meet the demands of more challenging applications.

7. The monoblock version accommodates standardized IEC motors, ensuring easy maintenance.

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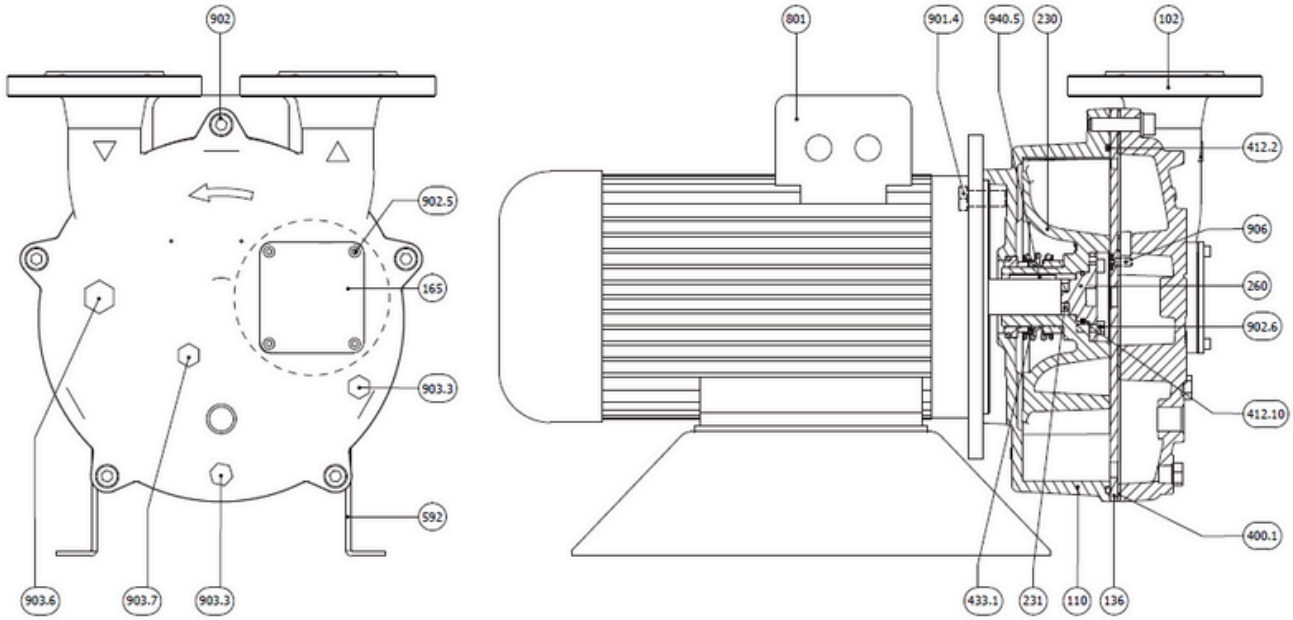
VSM TECHNICAL SPECIFICATION

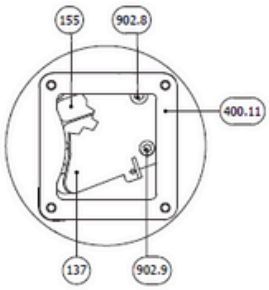
Pump Size	Power (kW)	(Hz)	Pump (mm)									Connections (inch)		
			DN	a	f	g1	H	h1	h2	l1	T(*)	d1	d2	d3
40-06	3	50	40	180	215	94	100	200	374	330	573	G 1/2"	G 1/2"	G 1/4"
40-06	4	60	40	180	215	94	112	212	386	330	549	G 1/2"	G 1/2"	G 1/4"
40-08	4	50	40	180	235	94	112	212	386	330	596	G 1/2"	G 1/2"	G 1/4"
65-08	5.5	50	65	200	252	114	132	212	417	385	624	G 1/2"	G 3/4"	G 3/8"
65-08	7.5	60	65	200	252	114	132	212	417	385	661	G 1/2"	G 3/4"	G 3/8"
65-11	7.5	50	65	200	285	114	132	212	417	385	694	G 1/2"	G 3/4"	G 3/8"

Pump Size	Power (kW)	(Hz)	Support foot (mm)								
			c1	m1	m2	m5	n1	n2	s1	s2	s3	w
40-06	3	50	4	370	248	61	227	254	12	28	13	149
40-06	4	60	4	370	248	61	257	284	12	28	13	156
40-08	4	50	4	370	248	61	257	284	12	28	13	176
65-08	5.5	50	4	400	328	36	298	325	12	28	15	155
65-08	7.5	60	4	400	328	36	298	325	12	28	15	174
65-11	7.5	50	4	400	328	36	298	325	12	18	19	207

Dimensions Flange (mm)		
DN	40	65
CF	110	145
DE	150	185
iF	18	18
zF	4	4

VSM SECTIONAL DRAWING & PARTS LIST





102	Casing
110	Housing
136	Distribution Plate
137	Valve Limiter
155	Distribution Valve
165	Inspection Valve Cover
230	Impeller
231	Impeller Spacer
260	Impeller Hub
400.1	Casing Gasket
400.11	Valve Inspection Gasket
412.10	O-ring Impeller Hub
433.1	Mechanical Seal
592	Electric Motor Foot
801	Electric Motor
901.4	Hex Head Screw
902	Socket Head Screw
902.5	Socket Head Screw
902.6	Socket Head Screw
902.8	Socket Head Screw
902.9	Socket Head Screw
903.3	Drain Plug
903.3	Drain Plug
903.6	Level Control Plug
903.7	Anticavitation Plug
906	Countersunk Screw
940.5	Motor Key

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VSL TECHNICAL SPECIFICATION

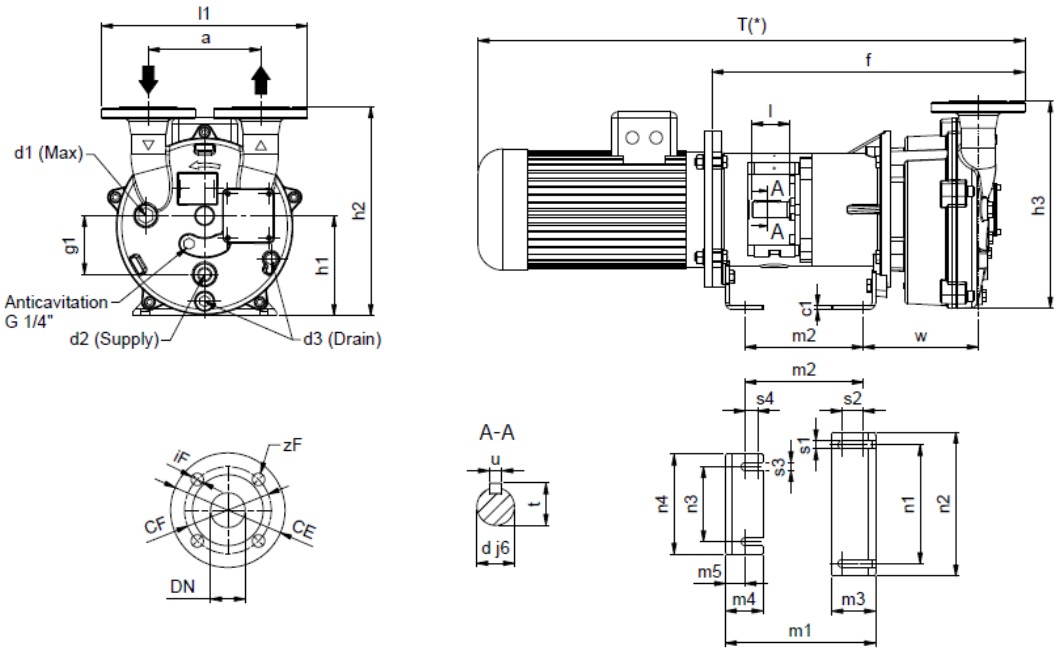
Pump Size	Power (kW)	(Hz)	Pump (mm)								Shaft (mm)				Connections (inch)		
			DN	a	f	g1	h1	h2	l1	T(*)	d	l	t	u	d1	d2	d3
40-06	3	50	40	180	501	94	160	334	330	877	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-06	4	60	40	180	501	94	160	334	330	890	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-08	4	50	40	180	521	94	160	334	330	910	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-08	5.5	60	40	180	541	94	160	334	330	902	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
65-08	5.5	50	65	200	645	114	202	407	385	1026	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-08	7.5	60	65	200	645	114	202	407	385	1063	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-11	7.5	50	65	200	678	114	202	407	385	1096	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-11	11	60	65	200	708	114	202	407	385	1206	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-17	11	50	65	200	769	114	202	407	385	1267	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-17	15	60	65	200	769	114	202	407	385	1314	32	80	35	10	G 1/2"	G 3/4"	G 3/8"

Pump Size	Power (kW)	(Hz)	Support Foot														
			c1	m1	m2	m3	m4	m5	n1	n2	n3	n4	s1	s2	s3	s4	w
40-06	3	50	6	240	194	70	60	32	190	230	120	160	13	39	13	20	179
40-06	4	60	6	240	194	70	60	32	190	230	120	160	13	39	13	20	179
40-08	4	50	6	240	194	70	60	32	190	230	120	160	13	39	13	20	199
40-08	5.5	60	6	267	238	70	50	15	190	230	190	240	13	39	15	15	199
65-08	5.5	50	6	357	307	90	50	16	210	250	190	240	14	46	15	14	215
65-08	7.5	60	6	357	307	90	50	16	210	250	190	240	14	46	15	14	215
65-11	7.5	50	6	357	307	90	50	16	210	250	190	240	14	46	15	14	248
65-11	11	60	6	382	328	90	55	20	210	250	212	265	14	46	19	17	248
65-17	11	50	6	382	328	90	55	20	210	250	212	265	14	46	19	17	309
65-17	15	60	6	382	328	90	55	20	210	250	212	265	14	46	19	17	309

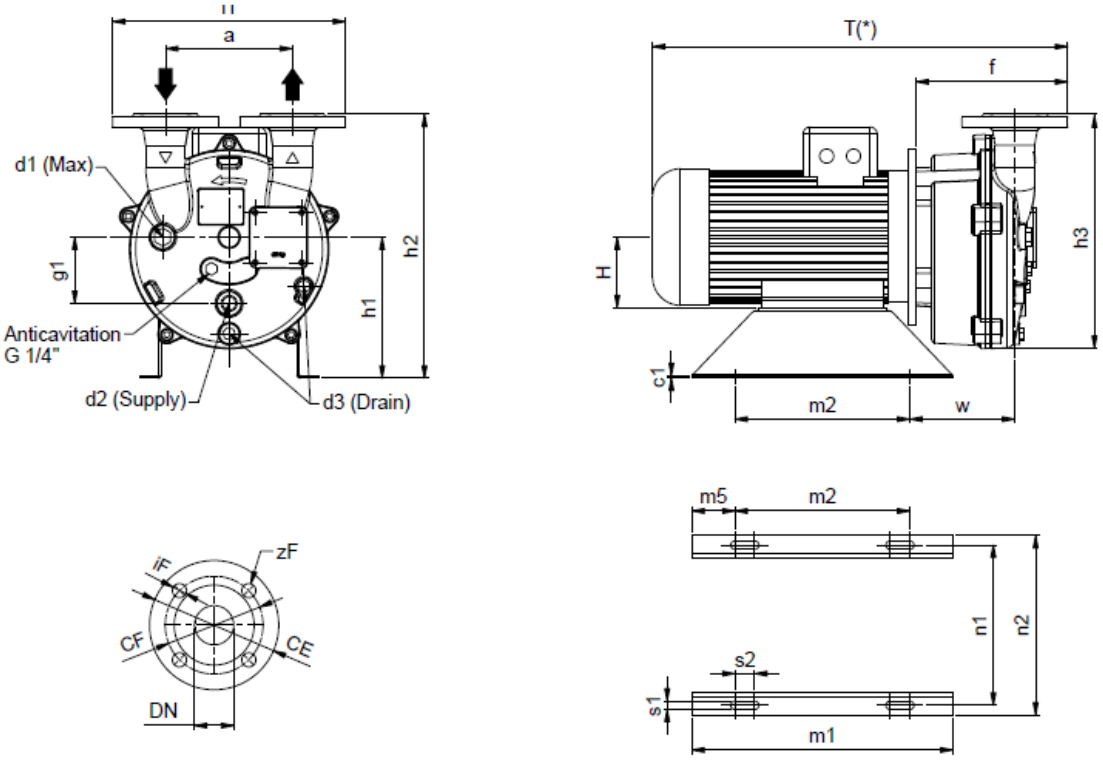
VS PUMP RANGE

LIQUID, RING **VACUUM PUMPS**

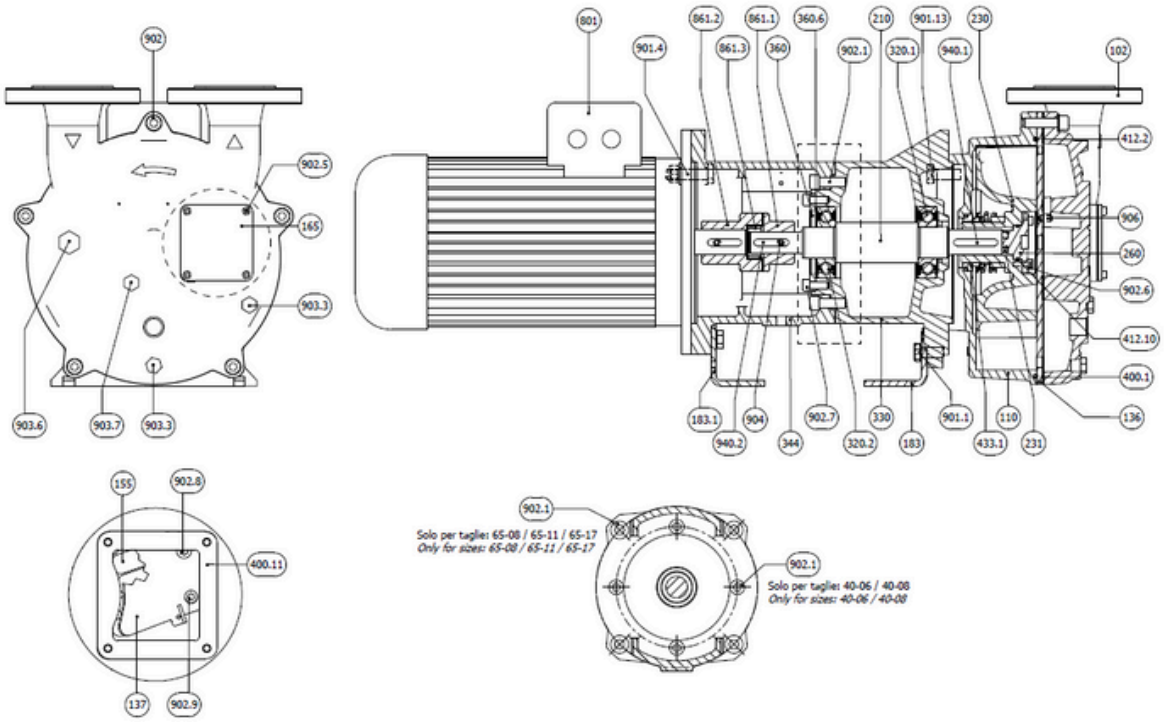
VSL DRAWING



VSM DRAWING



VSL SECTIONAL DRAWING & PARTS LIST



102	Casing
110	Housing
136	Distribution Plate
137	Valve Limiter
155	Distribution Valve
165	Inspection Valve Cover
183	Support Foot
183.1	Lantern Foot
210	Shaft
230	Impeller
231	Impeller Spacer
260	Impeller Hub
320.1	Ball Bearing N.D.S.
320.2	Ball Bearing D.S.
330	Bearing Housing
344	Lantern Bracket
360	Bearing Cover
360.6	Compensation Spring
400.1	Casing Gasket
400.11	Valve Inspection Gasket
412.2	O-ring Casing
412.10	O-ring Impeller Hub
433.1	Mechanical Seal
801	Electric Motor
861.1	Half Coupling Pump Side
861.2	Half Coupling Motor Side
861.3	Coupling Elastomer
901.1	Hex Head Screw
901.4	Hex Head Screw
901.13	Hex Head Screw
902	Socket Head Screw
902.1	Socket Head Screw
902.5	Socket Head Screw
902.6	Socket Head Screw
902.7	Socket Head Screw
902.8	Socket Head Screw
902.9	Socket Head Screw
903.3	Drain Plug
903.6	Level Control Plug
903.7	Anticavitation Plug
904	Locking Screw
906	Countersunk Screw
940.1	Impeller Key
940.2	Coupling Key

VS PUMP RANGE

LIQUID, RING **VACUUM PUMPS**

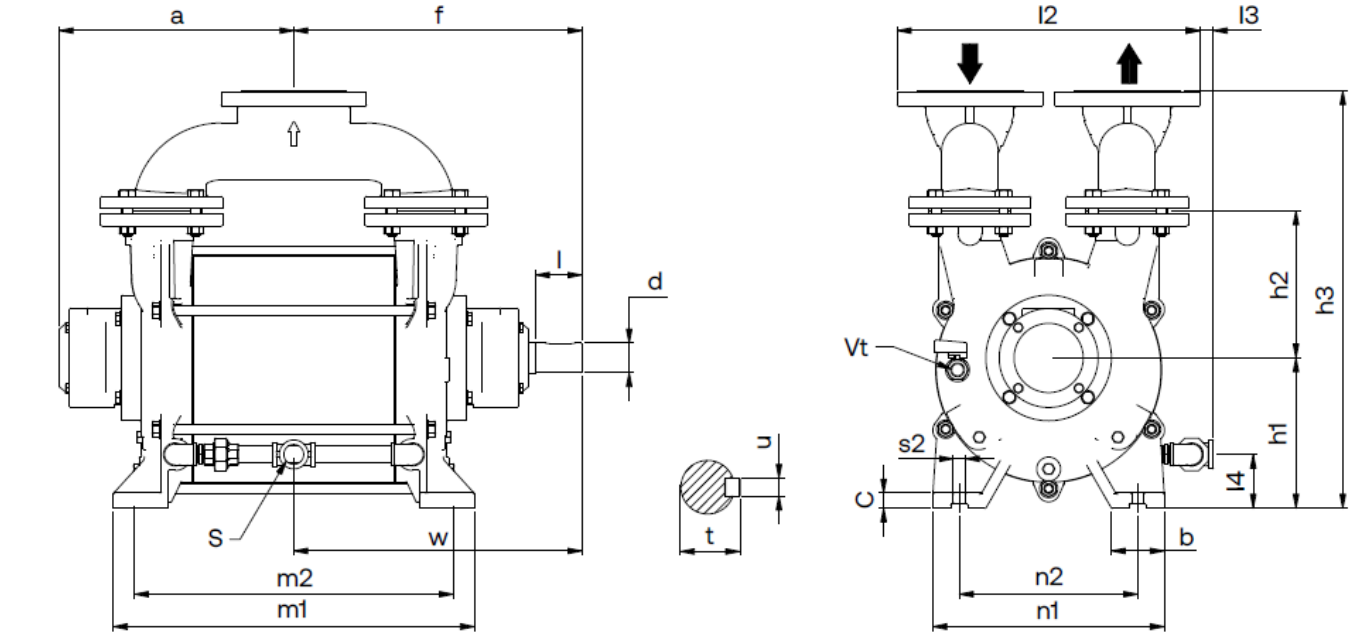
VSB

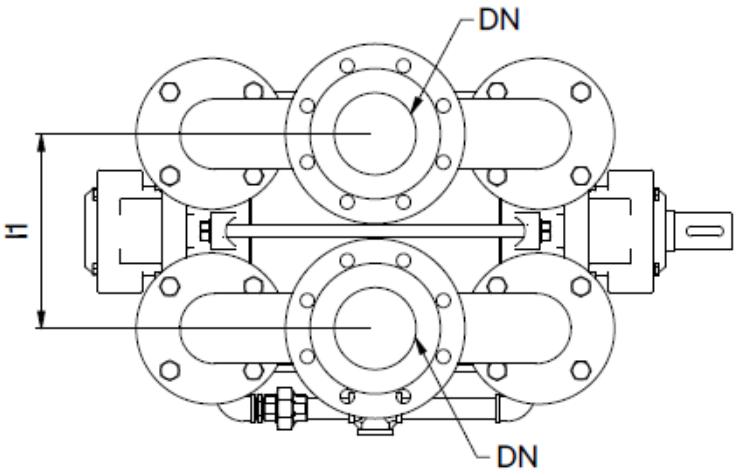
1. Single-stage pump with valves and stainless steel or ductile cast iron plate.
2. Double-end shaft support for enhanced stability.
3. Grease-lubricated bearings with protective lip seals.
4. Single service liquid inlet with optimized flow rates for maximum efficiency.

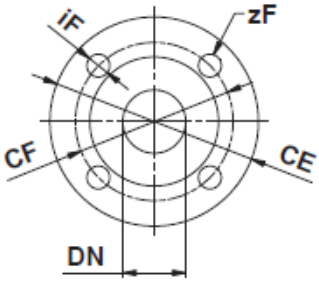
VSB TECHNICAL SPECIFICATION

Model	Dimensions (mm)							Weight (Bare shaft) (kg)	Weight (with motor) (kg)
	a	b	c	d	e	f	g		
VSB 100-22	1385	711	316	392	430	467	1150	215	395
VSB 100-30	1528	790	355	435	507	547	1280	237	460
VSB 126-26	1776	907	408	499	545	605	1460	440	870
VSB 125-40	2088	1047	478	569	690	745	1710	530	1200

VSB DRAWING

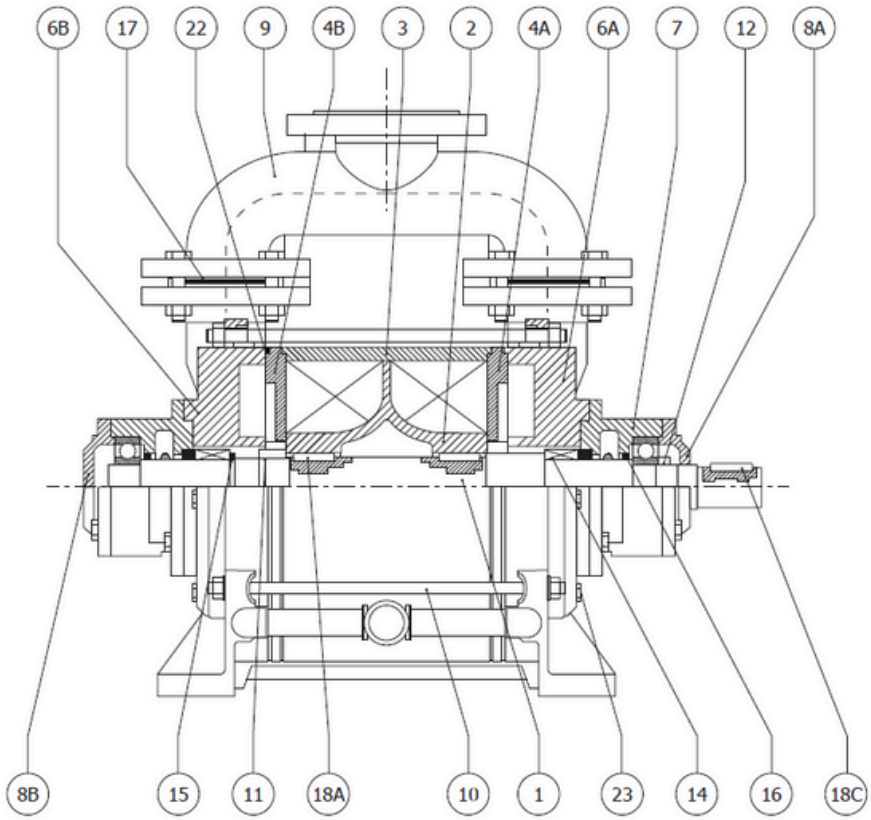






Dimensions Flange EN1092-1 PN10		
DN	100	125
CF	180	210
CE	220	250
iF	18	18
zF	8	8

VSB SECTIONAL DRAWING & PARTS LIST



1	Shaft	**10**	Tie Rod
2	Impeller	**11**	Impeller Nut
3	Casing	**12**	Bearing Nut
4A	Suction Plate	**14**	Mechanical Seal
4B	Discharge Plate	**15**	Mechanical Seal Spacer
6A	Front Casing	**16**	O-Ring
6B	Back Casing	**17**	Gasket
7	Bearing Carrier	**18A**	Impeller Key
8A	Bearing Cover	**18C**	Coupling Key
8B	Bearing End Cover	**22**	Paper Gasket
9	Brach Pipe	**23**	Plug