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GmbH

**A clean way
to handle
dirty liquids**

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ELECTRIC PUMPS



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SELF-PRIMING PUMPS - RB SERIES

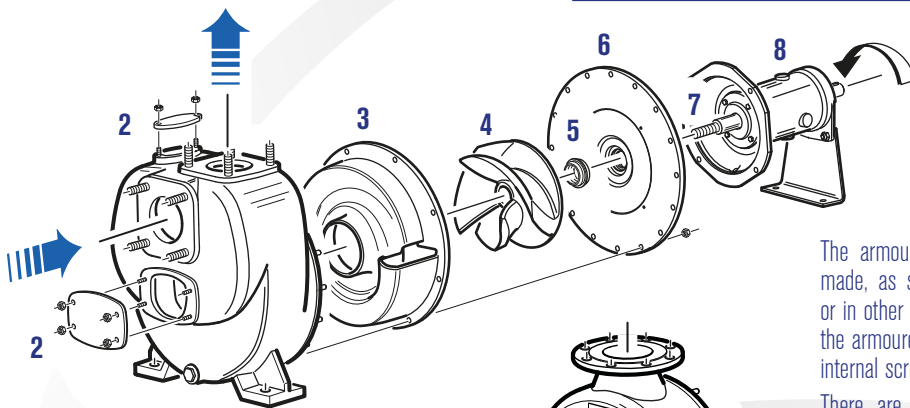
RB212+G	84
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RB216+T (2/2)	90
RB220+TE	92
RB316+G	94
RB316+T	96
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RB1031+TT	126
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SELF-PRIMING VACUUM-ASSISTED PUMPS - RW SERIES

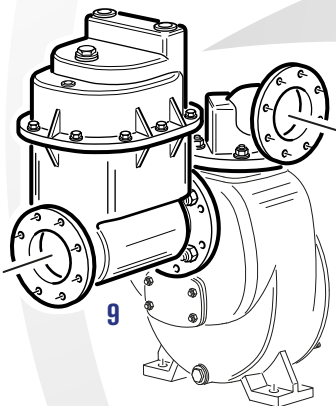
RW425+TT	130
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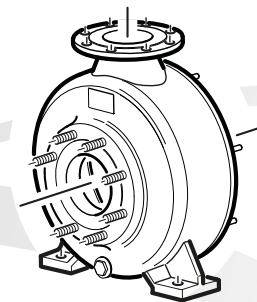
GENERAL INFORMATION



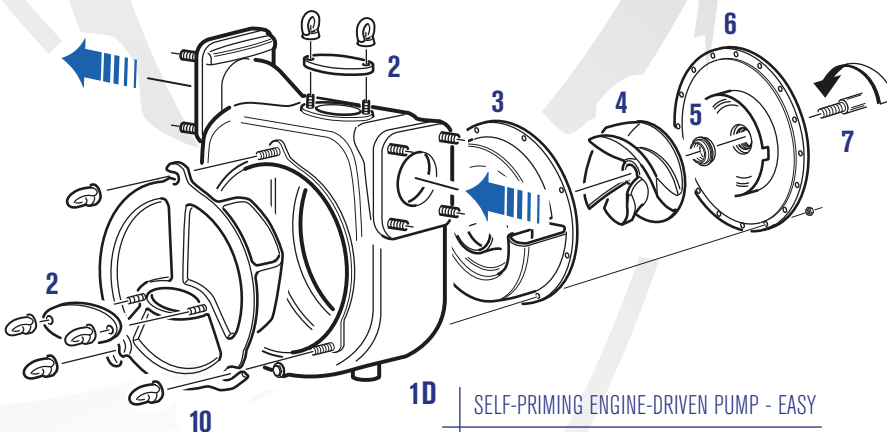
RB SELF-PRIMING PUMP | 1A



1C | RW VACUUM-ASSISTED PUMP



1B | RC CENTRIFUGAL PUMP



1D | SELF-PRIMING ENGINE-DRIVEN PUMP - EASY

ROBUSTA pump series are centrifugal open impeller type at high hydraulic efficiency, internally armoured to resist pumping abrasive and corrosive slurry or with suspended abrasive material liquids.

The armoured shaped volute placed inside the pump is made, as standard, by a very abrasion resistant material or in other material suitable to the pumped liquid. Moreover the armoured volute is mounted onto the pump without any internal screws.

There are many advantages by having an independent armoured volute inside the pump body, such as:

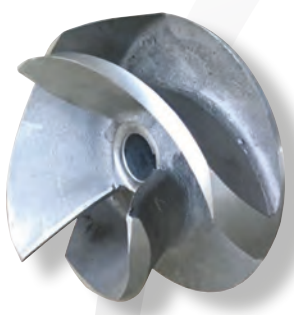
- ✓ the possibility to have several diversified hardness materials where the fluid speed is higher
- ✓ the possibility to have diversified materials of construction within the pump components
- ✓ the positioning of the volute within the pump body is variable according to the series and not fixed
- ✓ there are no screws in the inner pump body
- ✓ the volute replacement is fast and permanent
- ✓ the pump wear and tear are placed between the armoured volute and the impeller only, voiding the pump body
- ✓ a sharper noise reduction on the impeller.

- 1A = SELF-PRIMING PUMP BODY - RB
- 1B = CENTRIFUGAL PUMP BODY - RC
- 1C = VACUUM-ASSISTED PUMP BODY - RW
- 1D = SELF-PRIMING ENGINE-DRIVEN PUMP BODY - EASY
- 2 = INSPECTION HATCHES
- 3 = VOLUTE
- 4 = DOUBLE-CURVATURE IMPELLER
- 5 = MECHANICAL SEAL
- 6 = CLOSING BRACKET
- 7 = SHAFT
- 8 = PEDESTAL
- 9 = VACUUM DEVICE
- 10 = INSPECTION WINDOW (EASY)



VERSIONS - MATERIALS - SUITABILITY

VERSION	MATERIAL OF CONSTRUCTION				SUITABILITY
	CODE	CASING	VOLUTE	IMPELLER	
G	Cast iron	Nodular cast iron	Nodular cast iron	Steel	HEAVY DUTY APPLICATIONS: brackish water, sandy, slurry waters. Hardness of pump components in contact with water = 200 HB
H	Cast iron	Hardened nodular cast iron	Hardened nodular cast iron	Steel	HIGH EROSIIVE MARINE APPLICATIONS: slurry water, heavy abrasive liquids. Hardness of pump components in contact with water = 400 HB
Q	Grey cast iron with anodes protections	Bronze	Bronze	Stainless steel	BRACKISH WATERS APPLICATION: brackish water, marine, naval applications.
B	Bronze	Bronze	Bronze	Stainless steel	HEAVY DUTY MARINE APPLICATIONS: marine water, naval applications.
F	Cast iron	Stainless steel	Stainless steel	Stainless steel	LOWER AGGRESSIVE FLUIDS APPLICATION: light acids, corrosive.
K	Stainless steel	Stainless steel	Stainless steel	Stainless steel	VERY AGGRESSIVE FLUIDS APPLICATION: heavy acids, chemical.
A	Anticorodal Aluminium	Self-Tempering Aluminium	Self-Tempering Aluminium	Steel	LIGHT WEIGHT EMERGENCY APPLICATION: lurry waters, sewage, sludge.



MATERIAL	EN - UNI - ISO NORMS	BRINELL HARDNESS
Cast Iron	EN GJL 250 - UNI EN 1563	150 HB
Nodular cast iron	EN GJS 400 - UNI EN 1563	200 HB
Hardened nodular cast iron	EN GJN-HV600 (XCr18) - UNI EN 12513	400 HB
Steel	C40 - UNI EN 10083	180 HB
Stainless steel	1.4401 - UNI EN10027-2 (AISI 316)	150 HB
Anticorodal Aluminium	GAISI9Cu1Mg - UNI EN 1676 e 1706	80 HB
Self-Tempering Aluminium	GalZn10Si8Mg - ISO3522-81	120 HB
Bronze	B10 - CuSn5Zn5Pb5 - UNI EN 1982	80 HB

ELECTRIC PUMPS



CENTRIFUGAL SELF-PRIMING PUMPS

RB series

For industrial applications.

Its particular pump body's shape allows the self-priming without the need to fill in the suction pipe and without the installation of the foot valve.

The self-priming is quick and reliable in any applications, thanks to the peculiar position and interaction of the Volute with the pump body.

Available with base-frame or monobloc coupled to electric normalized motor.

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VACUUM-ASSISTED

RW series

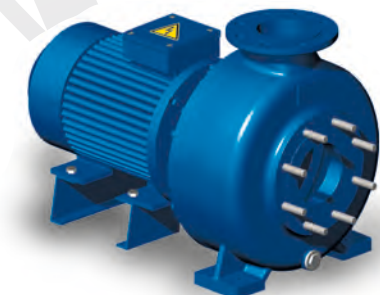
For building applications, drainage (wellpoint).

A vacuum pump is incorporated to the self-priming pump, which device, automatically separate and take out the air coming from the suction.

Suitable for dewatering having long suction pipes installations or in wellpoints groundworks (water lowering).

Priming is completely automatic avoiding the need to add water (dry-prime) and can operate even in dry conditions (dry-run).

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CENTRIFUGAL PUMPS

RC series

For industrial applications.

It is centrifugal with flanged inlet and outlet, available with shaft coupling or monobloc driven by electric motor.

Such pumps are suitable for industrial application, to pump slurry or liquids containing abrasive suspended materials.

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ELECTRIC PUMPS



PUMP SET UP

RB / RW series

RC series

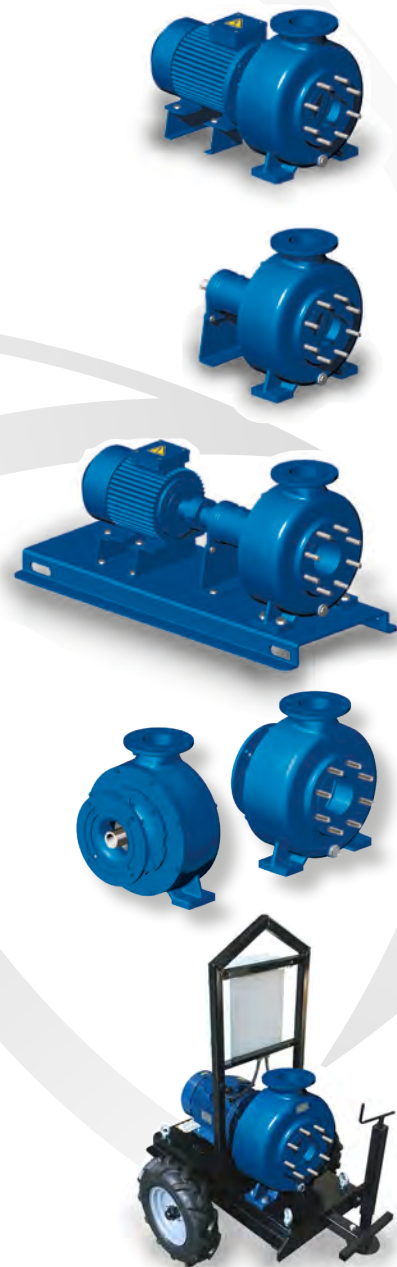
T
MONOBLOC

S
BARE SHAFT
PUMP

S/T...
BASE-FRAME
AND COUPLING

PUMP KIT
FOR ELECTRIC OR
ENDOTHERMIC
MOTORS

ON
TRAILER





>>> PAGE 72 - 83



SELF-PRIMING light series **EASY**

RB series

In case of emergency.

The pump self-priming system is given by air jabbering in the pump body and, thanks to the particular casing interaction with the volute, it is quick and reliable.

Pump standard construction is anticorodal aluminium which is suitable for marine applications, the pump Volute and impeller are in abrasion resistant tempered aluminium.

In-line ports to easily manage the pipes, and to inspect the impeller without disassembling them.

Great inspection and cleaning window, openable without using any tools and disconnecting the pipelines.

The internal Volute is easily replaceable.

Pump on tubular frame with petrol engine.



SELF-PRIMING on LIGHT TRAILER

RB series

For construction or continuous works.

Its particular pump body's design allows the self-priming without the need for pre-filling of liquid in the pipes and avoiding the need of a foot valve installation.

The pump self-priming system is given by air jabbering in the pump body and, thanks to the particular casing interaction with the Volute, it is quick and reliable.

It comes as standard with diesel engine motor widely oversized, on light manual driven trailer (+T).



SELF-PRIMING on HEAVY TRAILER

RB series

For construction or continuous works.

Its particular pump body's design allows the self-priming without the need for pre-filling of liquid in the pipes and avoiding the need of a foot valve installation.

The pump self-priming system is given by air jabbering in the pump body and, thanks to the particular casing interaction with the Volute, it is quick and reliable.

It comes as standard with diesel engine motor widely oversized, on heavy type trailer (+TT), light manual driven trailer, with built-in tank.

ENGINE DRIVEN PUMPS



ROBUSTA
Hydraulic System



SELF-PRIMING on HEAVY DUTY TRAILER

RW series

For deep and long suction needs and for wellpoints systems. A vacuum pump is incorporated to the self-priming pump, which device, automatically separate and take out the air coming from the suction.

The main application suitability is found in case of long suction pipes installations or in wellpoints groundworks (water lowering).

It comes with heavy type (+TT), low speed trailer, with built-in tank.



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on ROAD APPROVED TRAILER

It can be set up on road approved trailer, open to traffic.

It can operate directly from trailer.

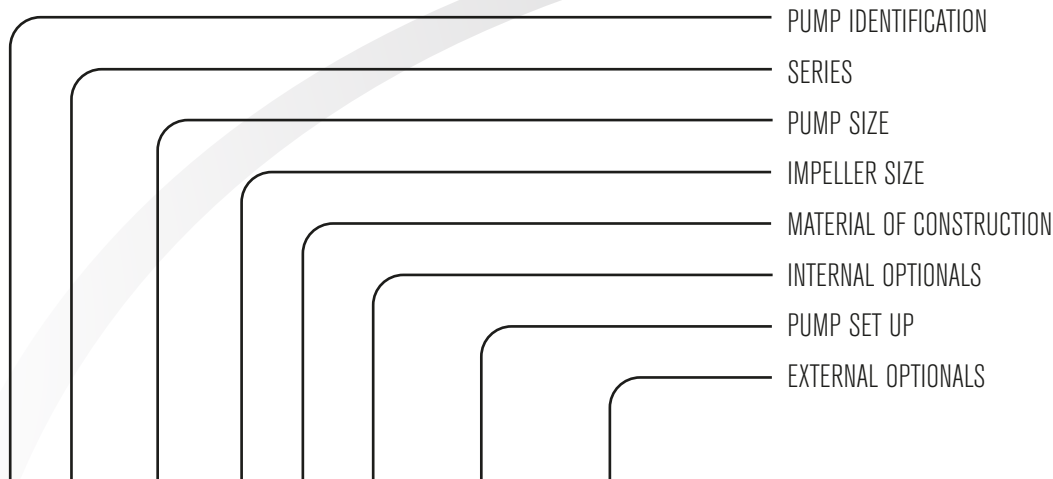
Equipped with stationary feet, spare tire and wide opening for accessories transport.

On demand we can supply:

- spotlight
- battery charger
- curtainsidering of the trailer.



PRODUCT NOMENCLATURE DESCRIPTION



R B 416 A A (L) KH44 (+G)

Note:
an "X" into the code means a special version.

PUMP IDENTIFICATION:



SERIES:

B = Self-priming
C = Centrifugal
W = Vacuum-assisted

PUMP SIZE:

4 16 = Delivery pump outlet 4" and nominal impeller diameter 160 mm

IMPELLER SIZE:

A = Greater Impeller size
B = Reduced impeller size
O = Full size impeller diameter

MATERIAL OF CONSTRUCTION:

A = Aluminium
B = Bronze
F = Cast Iron body, Stainless steel Volute, impeller and shaft
G = Cast Iron body
H = Cast iron body, internal components with erosion resistance cast iron
K = Stainless steel
Q = Cast iron body, internal components in marine bronze

INTERNAL OPTIONALS:

E = Stainless Steel impeller
K = Stainless Steel shaft
L = in-line outlet/inlet ports

PUMP SET UP:

xx## = Monobloc pump with endothermic motor
D, D4, D6 = Monobloc with electric three-phase explosion proof motor / ATEX
M = Monobloc with electric single-phase standard motor
##K = Kit pump to normalized electric motor assembly B3-B5
##D = Kit pump to diesel engine motor assembly
O = Set up for hydraulic motor assembly
S,S4,S6 = Bare shaft pump with support
/ = Coupling to elastic joint on support (+ motor nomenclature)
T, T4, T6 = Monobloc pump with electric three-phase standard motor
T## = Monobloc pump with oversized electric motor power
[D##] = Threephase [explosion proof/ATEX] (Check electric motor datasheet)

EXTERNAL OPTIONALS:

+B = On basic base-frame
+BE = On basic base-frame with electric starter
+BT = On base-frame with built in tank
+D## = Equipped with oversized vacuum device (## = Nm³/h)
+G = On light tubular frame for transport by hand
+Q = With control panel
+SIL = With soundproof canopy
+T = On basic two wheels trailer
+TE = On basic two wheels trailer and electric starter
+TQ = On trailer with electric control panel
+TT = On trailer with built in tank

MOST COMMON ENDOTHERMIC MOTOR CODE CHART

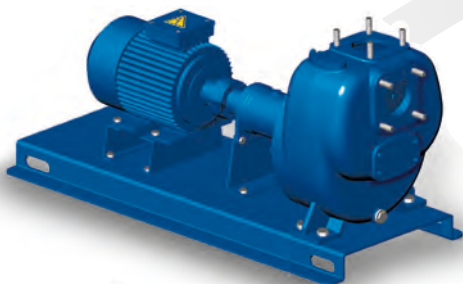
MOTOR	MODEL	FUEL	CODE
FPT	N45MSSX00.50	DIESEL	N450
FPT	N67MNTX20.00	DIESEL	N6M2
FPT	N45MSTX20.50	DIESEL	N4T2
Lombardini	15LD350	DIESEL	LD35
Lombardini	15LD440	DIESEL	LD44
Lombardini	15LD500	DIESEL	LD50
Lombardini	25LD330-2	DIESEL	LD33
Lombardini	25LD425-2	DIESEL	LD42
Lombardini	12LD477-2	DIESEL	LD47
Lombardini	9LD626-2	DIESEL	LD62
Lombardini	LDW1404	DIESEL	LDW14
Lombardini	LDW1603	DIESEL	LDW16
Lombardini-Kohler	CH390	PETROL	KH39
Lombardini-Kohler	CH440	PETROL	KH44
Yanmar	3TNV88	DIESEL	Y388
Yanmar	4TNV88	DIESEL	Y488
Yanmar	4TNV98T	DIESEL	Y498
Yanmar	4TNV98NS	DIESEL	Y49N

ELECTRIC MOTORS CODE CHART

POWER		CODE			
KW	HP	2 POLES	4 POLES	6 POLES	8 POLES
0.37	0.5	031	03	04	-
0.55	0.75	05	06	07	-
0.75	1	08	09	10	101
1.1	1.5	11	12	13	14
1.5	2	15	16	17	18
2.2	3	22	24	26	28
3	4	32	34	36	38
4	5	42	44	46	48
5.5	7.5	52	54	56	-
7.5	10	72	74	76	-
9	12	92	94	96	-
11	15	112	114	116	-
15	20	152	154	156	-
18.5	25	182	184	186	-
22	30	222	224	226	-
30	40	302	304	306	-
37	50	372	374	376	-
45	60	452	454	456	-
55	75	552	554	556	-
75	100	752	754	756	-



ATEX VERSION



ROBUSTA electric pumps, bare shaft or base-frame with coupling versions, can also be supplied with ATEX certification, classified as follows:

GROUP II – devices intended for use in other places where there is a probability of explosive atmospheres occurring; this group in turn is divided into categories:

- **category 2** comprises products designed to guarantee a high level of protection for use in areas where there is a probability of explosive atmospheres occurring (>10 and <1000 hours/year), caused by gases, vapours, mists or mixtures of air and dusts.
- **category 3** comprises products designed to guarantee a normal level of protection for use in areas where there is a low probability of explosive atmospheres occurring (<10 hours/year), caused by gases, mists or mixtures of air and dusts (this category is considered lower than and therefore included in category 2).

The above categories, which are applied to the product, meet the requirements of the zones, specified below, in which the pump can be installed:

- **zone 1** area in which, during normal activities, the formation of an explosive atmosphere consisting in a mixture of air and inflammable substances in the form of gas, vapour or mist is likely to occur.
- **zone 2** area in which, during normal activities, the formation of an explosive atmosphere consisting in a mixture of air and inflammable substances in the form of gas, vapour or mist is not likely to occur, or likely to occur only for short periods.

Areas at risk of explosion are identified on the basis of the frequency and duration of the presence of explosive atmospheres; zones for which ROBUSTA pumps are certifiable relate to the presence of gases (not dusts identified by a double digit number, e.g. zone 21 or 22).

The temperature class is strictly dependent on the gases present, and determined by the user. Gases are divided into 6 temperature classes, from T1 (the mildest) to T6 (the most restrictive), which indicate the maximum surface temperature. ROBUSTA pumps can be certified in **temperature class T4**.

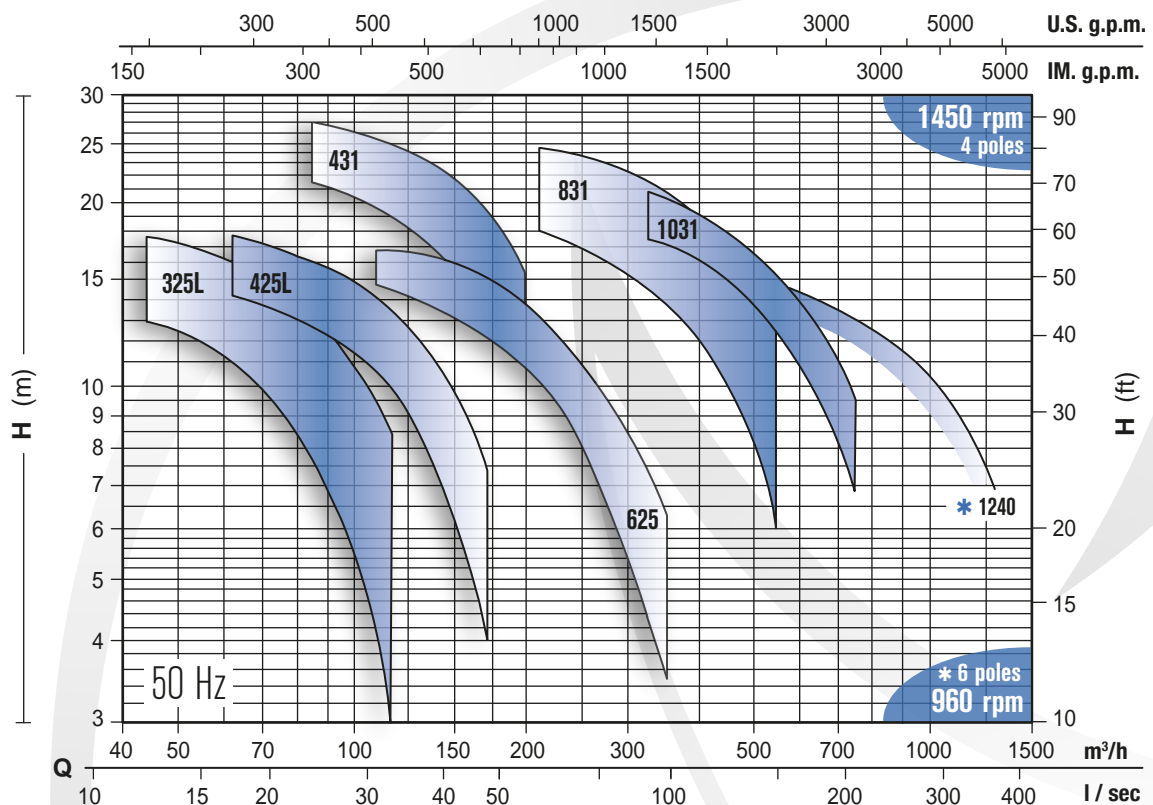
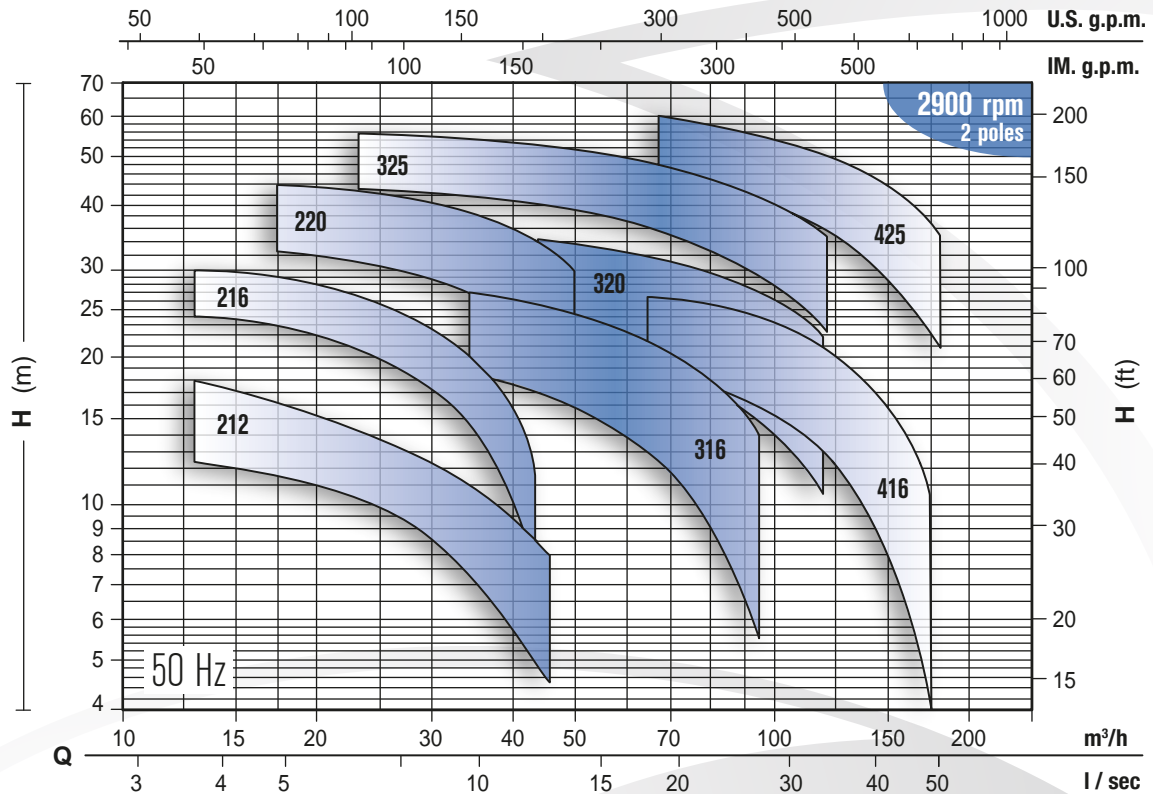
The **protection method** for ROBUSTA pumps, characterized by the symbol EEx, can be implemented using the following systems:

- EEx b monitoring with sensor
- EEx c intrinsically safe construction
- EEx d explosion proof housing

The standard symbol for ATEX classification of ROBUSTA pumps is

 **II 2G EEx c T4**

PERFORMANCE RANGE - ELECTRIC PUMPS



SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB



SELECTION

TYPE	CODE	PORTS	POWER	FLOW m ³ /h													
2900 RPM		mm	kW	10	20	30	45	50	60	80	90	100	120	150	180		
RB212	RB212B...	50	1.5	13	11	9	1										
	RB212A...		2.2	16	15	12	4										
RB216	RB216B...		3.0	24	21	15	6										
	RB216A...		4.0	30	27	21	10										
RB220	RB220B...		5.5	35	33	31	20	14									
	RB220A...		7.5	45	44	42	33	28									
RB316	RB316B...		4.0		20	19	16	15	12	7	4						
	RB316A...		5.5		23	22	19	18	16	10	7						
	RB316O...	7.5		28	27	24	23	21	15	12							
RB320	RB320B...	7.5				24	22	22	21	17	15	13	8				
	RB320A...	9.0				29	28	27	26	23	21	19	14				
	RB320O...	11.0				35	34	34	33	30	28	27	23				
RB325	RB325B...	15.0				42	40	39	38	33	31	28	23				
	RB325A...	18.5				49	47	46	44	40	37	35	29				
	RB325O...	22.0				55	53	52	50	45	43	40	35				
RB416	RB416B...	9.2							19	17	16	15	13	7	3		
	RB416A...	11.0							27	25	24	22	20	14	7		
RB425	RB425B...	22.0							47	44	42	40	36	29	20		
	RB425A...	30.0							57	55	53	51	47	40	33		
	RB425O...	37.0							61	58	56	54	50	43	35		
1450 RPM		mm	kW	20	40	60	80	100	120	150	180	200	250	300	350		
RB325L	RB325B...4	80	4.0	14	13	11	9	5	2								
	RB325A...4		5.5	19	18	16	14	11	8								
RB425L	RB425B...4	100	5.5			14	12	10	8	5							
	RB425A...4		7.5			18	17	15	13	9	5						
RB431	RB431B...4	100	11.0			23	22	20	19	16	12	9					
	RB431A...4		15.0			29	28	26	24	21	18	15					
RB625	RB625B...4	150	9.0					15	14	13	11	10	7	4			
	RB625A...4		11.0					17	16	15	14	13	11	8	5		
1450 RPM				200	300	400	500	550	600	700	800	900	1000	1100	1200		
RB831	RB831B...4	200	22	18	15	11	6	4									
	RB831A...4		30	22	19	15	11	8									
	RB831O...4		37	25	22	18	13	11									
RB1031	RB1031B...4	250	30		19	16	12	10	8	4							
	RB1031A...4		37		21	19	15	14	12	8							
960 RPM				200	300	400	500	550	600	700	800	900	1000	1100	1200		
RB1240	RB1240A...	300	55						15	14	13	12	11	10	8		

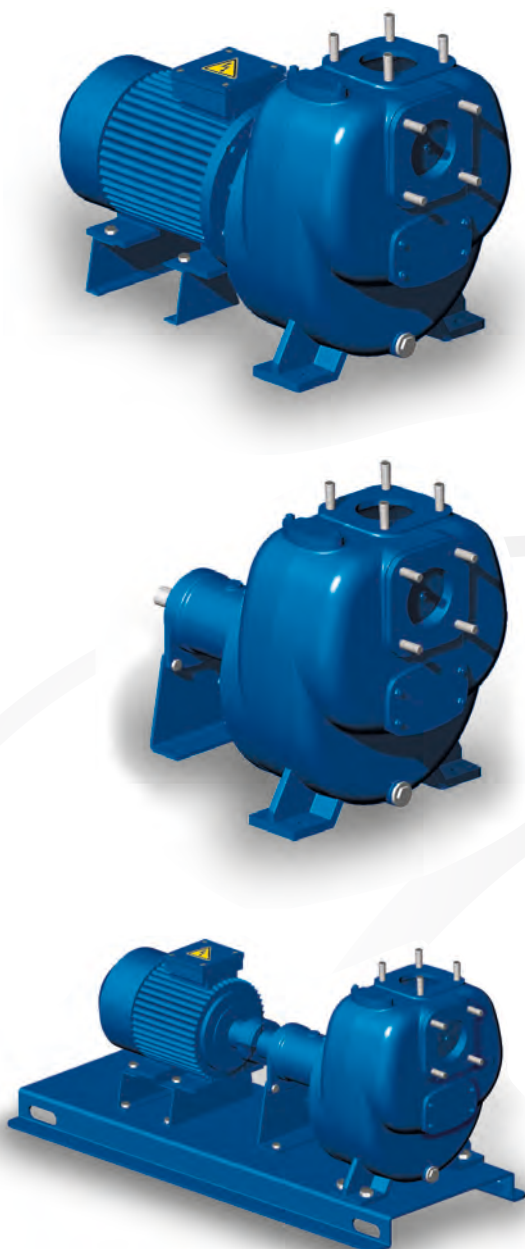
SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB

ROBUSTA
Hydraulic System

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TECHNICAL DATA



CODE	PORTS	RPM	MAX. SOLID	Ø IMPELLER	Ø SEAL	POWER	VOLT	NOMIN. CURRENT	
	mm	rpm	mm	mm	mm	kW	V	A	
RB212B..	50	2900	25x23	110	25	1.5	400	3.2	
RB212A..				125		2.2		4.6	
RB216B..			25x22	140		3.0		5.1	
RB216A..				158		4.0		8.1	
RB220B..	80		40x30	175	32	5.5		10.5	
RB220A..				196		7.5		14.3	
RB316B..				35x25		138		4.0	8.1
RB316A..						146		5.5	10.5
RB316O..		160	7.5		14.3				
RB320B..		100	40x35	162	32	7.5	14.3		
RB320A..				178		9.0	18		
RB320O..			188	11.0 ⁽¹⁾		21.9			
RB325B..			30x15	216		45	15.0	28.1	
RB325A..				230			18.5	35	
RB325O..				246			22.0	41	
RB416B..		100	50x30	146	35	9.2	18.2		
RB416A..	160			11.0 ⁽²⁾		21.9			
RB425B..	50x24		220	45	22.0	41			
RB425A..			240		30.0	55			
RB425O..			250		37.0	67			
RB325B..4			80		40x15	218	32	4.0	8.1
RB325A..4	250	5.5		11.2					
RB425B..4	100	55x50		225	5.5	11.2			
RB425A..4			250	7.5	15.3				
RB431B..4	100	50x50	280	45	11.0	22			
RB431A..4			313		15.0	29			
RB625B..4		150	73x50		230	9.0	18		
RB625A..4	250			11.0	22				
RB831B..4	200	75x58	270	55	22.0	40			
RB831A..4			300		30.0	57			
RB831O..4			315		37.0	70			
RB1031B..4	250	85x85	275	30.0	57				
RB1031A..4			300	37.0	70				
RB1240A..6	300	960	105x100	400	55.0	99			

(1) Motor casing is in special size 132C for monobloc version

(2) Motor with flange B3/B14 for monobloc version

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

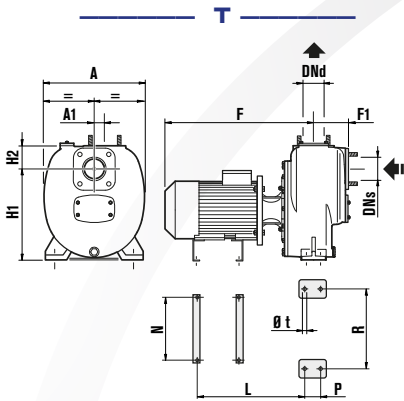
RB

ROBUSTA
Hydraulic System

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OVERALL DIMENSIONS

T = MONOBLOC

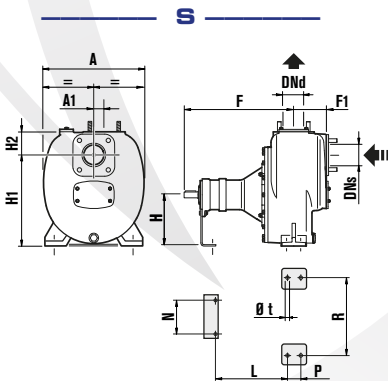


DIMENSIONS mm	DN _s	DN _d	A	A1	F	F1	H1	H2	L	N	P	R	Ø t
RB212AGT	50	50	266	55	451	86	245	67	330	190	46	196	9
RB212BGT	50	50	266	55	426	86	245	67	305	190	46	196	9
RB216AGT	50	50	287	55	472	103	265	78	307	250	90	212	14
RB216BGT	50	50	287	55	463	103	265	78	300	250	90	212	14
RB220AGT	50	50	314	60	600	101	279	71	461	250	70	200	14
RB220BGT	50	50	314	60	600	101	279	71	423	250	70	200	14
RB316AGT	80	80	350	80	564	156	319	109	422	250	-	260	18
RB316BGT	80	80	350	80	520	156	319	109	403	250	-	260	18
RB316OGT	80	80	350	80	564	156	319	109	422	250	-	260	18
RB320AGT	80	80	347	65	570	163	326	104	400	250	112	280	14
RB320BGT	80	80	347	65	570	163	326	100	400	250	112	280	14
RB320OGT	80	80	347	65	634	163	326	104	400	250	112	280	14
RB325BGT	80	80	437	65	535	163	405	100	353	270	112	320	14
RB325AGT4 ¹	80	80	437	65	579	163	405	100	372	270	112	320	14
RB325BGT4 ¹	80	80	437	65	535	163	405	100	353	270	112	320	14
RB416AGT	100	100	352	45	737	150	365	108	550	254	-	300	18
RB425AGT4 ¹	100	100	442	46	652	153	400	102	476	270	56	350	16
RB425BGT4 ¹	100	100	442	46	612	153	400	102	476	270	56	350	16
RB431A / B GT4	100	100	582	130	850	169	510	105	597	320	102	468	18
RB625AGT4	150	150	512	70	829	188	450	131	612	320	50	360	18

All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

¹ (1450 RPM)

S = BARE SHAFT PUMP



DIMENSIONS mm	DN _s	DN _d	A	A1	F	F1	H	H1	H2	L	N	P	R	Ø t
RB212A / B GS	50	50	266	55	369	86	137	245	67	245	103	46	196	9
RB216A / B GS	50	50	287	55	339	103	150	265	78	181	103	90	212	14
RB220A / B GS	50	50	314	60	473	101	160	279	71	321	152	70	200	14
RB316A / B GS	80	80	350	80	437	156	170	319	109	320	152	-	260	18
RB320A / B / O GS	80	80	347	65	443	163	180	326	104	261	152	112	280	14
RB325A / B / O GS	80	80	437	65	532	163	225	405	100	317	202	112	320	14
RB325A / B GS4 ¹	80	80	437	65	451	163	225	405	100	270	154	112	320	14
RB416A / B GS	100	100	352	45	471	150	174	365	108	355	152	-	300	18
RB425A / B / O GS	100	100	442	46	562	103	225	400	102	384	202	56	350	16
RB425A / B / O GS4 ¹	100	100	442	46	481	153	225	400	102	336	154	56	350	16
RB431A / B GS4	100	100	582	130	610	169	300	510	105	430	203	102	468	18
RB625A / B GS4	150	150	512	70	631	188	260	450	131	451	203	50	360	18
RB831A / B / O GS4	200	200	690	137	749	255	370	550	180	456	240	140	410	20
RB1031A / B GS4	250	250	792	240	749	326	370	630	230	595	240	-	440	22
RB1240A / GS6	300	300	1080	370	660	476	560	860	290	549	240	-	600	26

All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

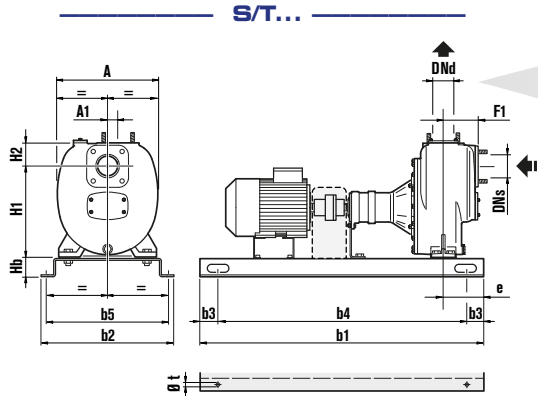
¹ (1450 RPM)

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB

ROBUSTA
Hydraulic System

VIESSE
POMPE • ITALIA



S/T... = BASE-FRAME AND COUPLING

DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F1	H1	H2	Hb	Ø t
RB212AGS/T22	50	50	266	55	800	360	130	540	320	86	86	245	67	60	17
RB212BGS/T15	50	50	266	55	800	360	130	540	320	86	86	245	67	60	17
RB216AGS/T42	50	50	287	55	800	360	130	540	320	70	103	265	78	60	17
RB216BGS/T32	65	50	287	55	800	360	130	540	320	70	103	265	78	60	17
RB220AGS/T72	50	50	314	60	1000	450	170	660	400	60	101	279	71	80	17
RB220BGS/T52	50	50	314	60	1000	450	170	660	400	60	101	279	71	80	17
RB316AGS/T52	80	80	350	80	1000	450	170	660	400	75	156	319	109	80	17
RB316BGS/T42	80	80	350	80	1000	450	170	660	400	75	156	319	109	80	17
RB3160GS/T72	80	80	350	80	1000	450	170	660	400	75	156	319	109	80	17
RB320AGS/T92	80	80	347	65	1120	490	190	740	440	90	163	326	104	80	18
RB320BGS/T72	80	80	347	65	1120	490	190	740	440	90	163	326	104	80	18
RB3200GS/T112	80	80	347	65	1120	490	190	740	440	90	163	326	104	80	18
RB325AGS/T182	80	80	437	65	1120	540	205	840	490	100	163	405	100	80	20
RB325BGS/T152	80	80	437	65	1120	540	205	840	490	100	163	405	100	80	20
RB3250GS/T222	80	80	437	65	1120	540	205	840	490	100	163	405	100	80	20
RB325AGS4/T54 ¹	80	80	437	65	1120	540	205	840	490	100	163	405	100	80	20
RB325BGS4/T44 ¹	80	80	437	65	1120	540	205	840	490	100	163	405	100	80	20
RB416AGS/T112	100	100	357	45	1120	490	190	740	440	120	150	365	108	80	18
RB416BGS/T92	100	100	357	45	1120	490	190	740	440	120	150	365	108	80	18
RB425AGS/T302	100	100	442	46	1250	540	205	840	490	100	153	400	102	80	20
RB425BGS/T222	100	100	442	46	1250	540	205	840	490	100	153	400	102	80	20
RB4250GS/T372	100	100	442	46	1250	540	205	840	490	100	153	400	102	80	20
RB425AGS4/T74 ¹	100	100	442	46	1250	540	205	840	490	100	153	400	102	80	20
RB425BGS4/T54 ¹	100	100	442	46	1250	540	205	840	490	100	153	400	102	80	20
RB431AGS4/T154	100	100	582	130	1500	720	250	900	680	75	169	510	105	100	20
RB431BGS4/T114	100	100	582	130	1500	720	250	900	680	75	169	510	105	100	20
RB625AGS4/T114	150	150	512	70	1250	540	205	840	490	90	182	450	131	80	20
RB625BGS4/T94	150	150	512	70	1250	540	205	840	490	90	182	450	131	80	20
RB831AGS4/T304	200	200	690	137	1900	800	200	1300	750	120	255	550	180	140	18
RB831BGS4/T224	200	200	690	137	1900	800	200	1300	750	120	255	550	180	140	18
RB8310GS4/T374	200	200	690	137	1900	800	200	1300	750	120	255	550	180	140	18
RB1031AGS4/T374	250	250	792	240	1900	800	200	1500	750	225	370	630	230	140	20
RB1031BGS4/T304	250	250	792	240	1900	800	200	1500	750	225	370	630	230	140	20
RB1240AGS6/T556	300	300	1080	370	2300	1030	300	1700	970	450	476	860	290	220	22

¹ (1450 RPM)

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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB212



POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB212B	RB212A
PUMP		
RPM	2900	2900
P MAX (kW)	1.5	2.2
Q MAX (m³/h)	45	45
H MAX (m)	13	16
Ø Inlet/outlet (mm) Inlet / outlet	50 / 50	50 / 50
Ø Impeller (mm) - N. blades	110 - 3	125 - 3
Ø Seal (mm)	25	25
Free solids passage MAX size (mm)	25 x 23	25 x 23

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	90S - 2900 - 2	90L - 2900 - 2
Power (kW)	1.5	2.2
Priming time from 4 m depth (s)	100	95
Nominal Current (A)	32	4.6
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	Yes
Protection	IP55	IP55

PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
T: Monobloc (kg)	43	48
S: Bare shaft pump (kg)	29	29
S/T...: Complete pump assembly (kg)	73	77

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

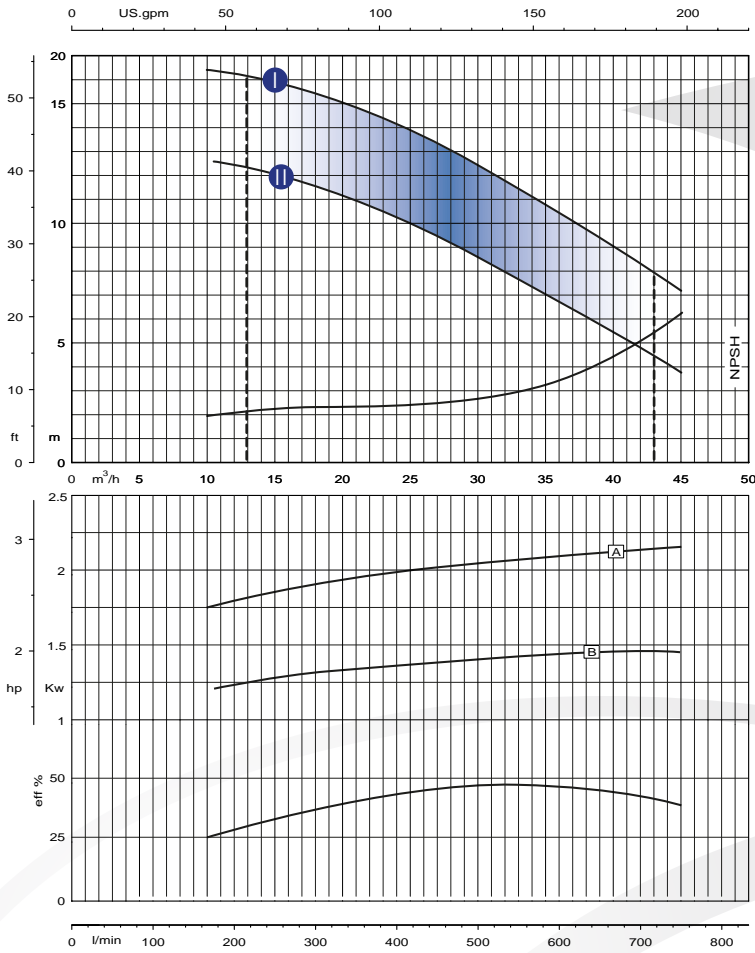


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB212



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB212A

II RB212B

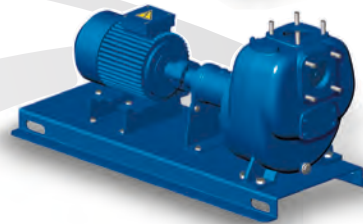
Performances are subjected to variations based on NPSH available.



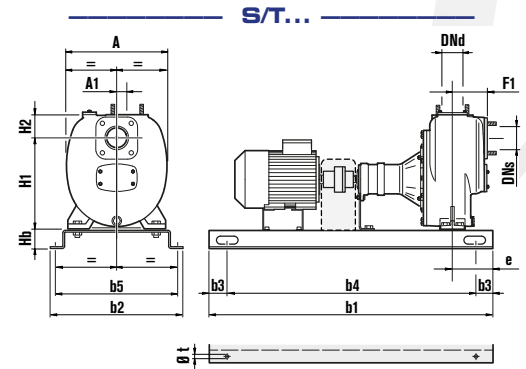
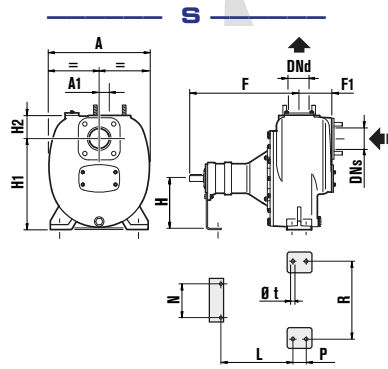
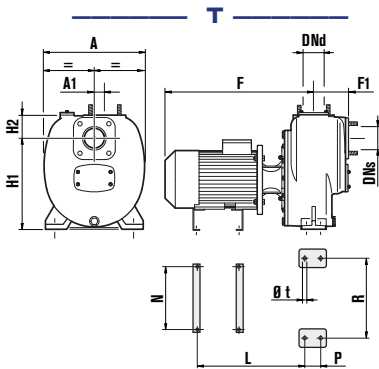
T
MONOBLOC



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t	
RB212AGT	50	50	266	55							451	86		245	67		330	190	46	196	9	
RB212BGT	50	50	266	55							426	86		245	67		305	190	46	196	9	
RB212A / B GS	50	50	266	55							369	86	137	245	67		245	103	46	196	9	
RB212AGS/T22	50	50	266	55	800	360	130	540	320	86		86		245	67	60						17
RB212BGS/T15	50	50	266	55	800	360	130	540	320	86		86		245	67	60						17

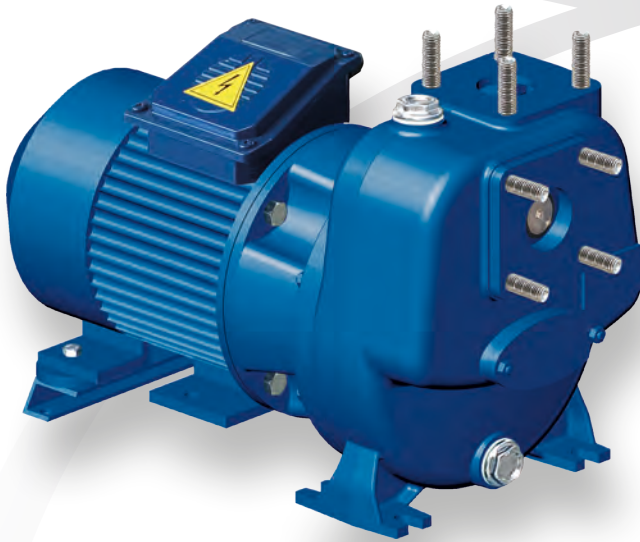
All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB216



POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB216B	RB216A
PUMP		
RPM	2900	2900
P MAX (kW)	3	4
Q MAX (m ³ /h)	45	45
H MAX (m)	24	30
Ø Inlet/outlet (mm) Inlet / outlet	50 / 50	50 / 50
Ø Impeller (mm) - N. blades	140 - 3	158 - 3
Ø Seal (mm)	25	25
Free solids passage MAX size (mm)	25 x 22	25 x 22

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	100L - 2900 - 2	112M - 2900 - 2
Power (kW)	3	4
Priming time from 4 m depth (s)	110	90
Nominal Current (A)	5.1	8.1
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	No

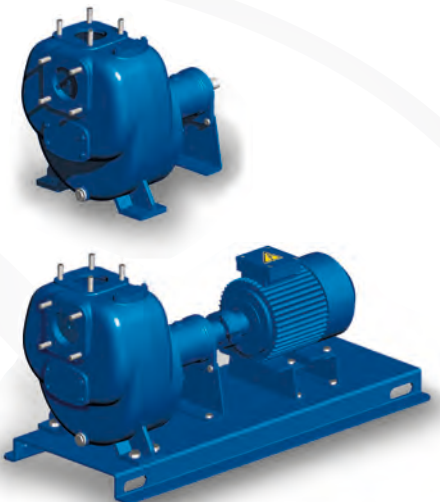
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
T: Monobloc (kg)	55	58
S: Bare shaft pump (kg)	31	31
S/T...: Complete pump assembly (kg)	83	86

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.



SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB216



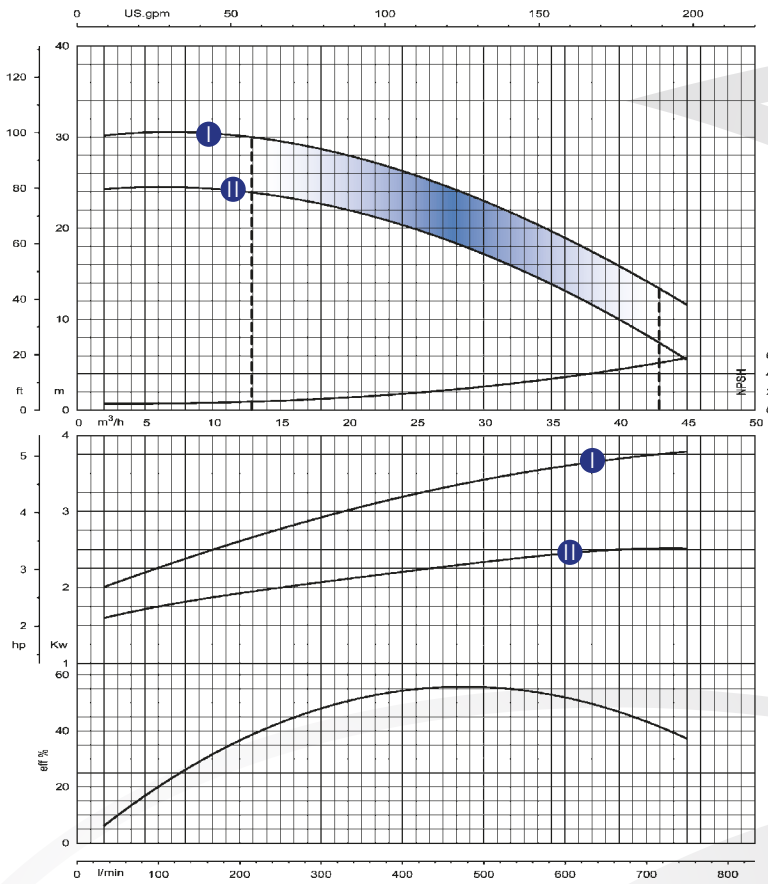
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PUMP PERFORMANCE RANGE

I RB216A

II RB216B

Performances are subjected to variations based on NPSH available.



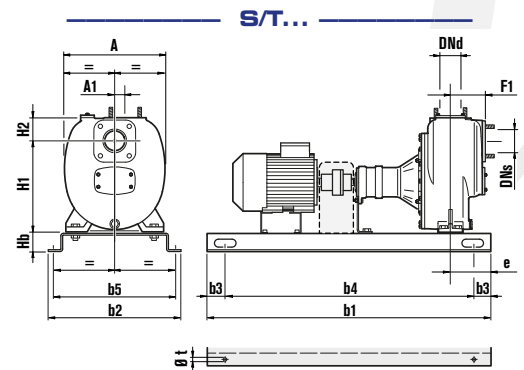
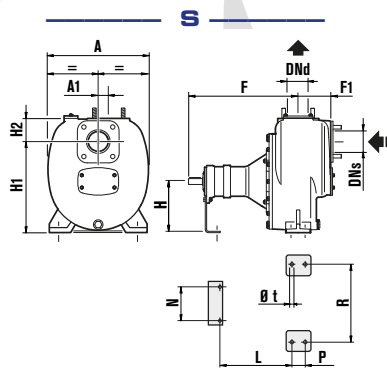
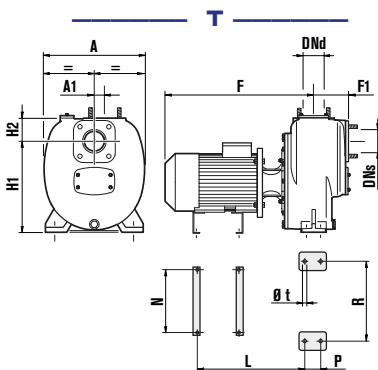
T
MONOBLOC



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t	
RB216AGT	50	50	287	55							472	103		265	78		307	250	90	212	14	
RB216BGT	50	50	287	55							463	103		265	78		300	250	90	212	14	
RB216A / B GS	50	50	287	55							339	103	150	265	78		181	103	90	212	14	
RB216AGS/T42	50	50	287	55	800	360	130	540	320	70		103		265	78	60						17
RB216BGS/T32	65	50	287	55	800	360	130	540	320	70		103		265	78	60						17

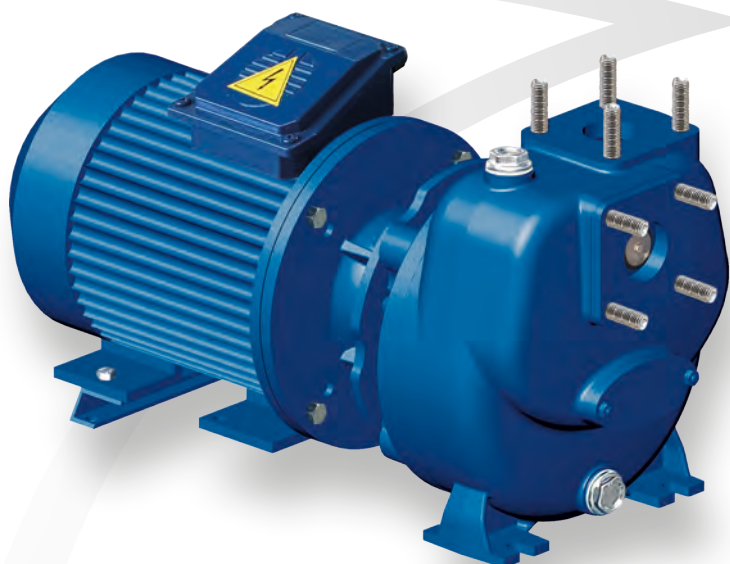
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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB220

ROBUSTA
Hydraulic System

VIESSE 
POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation.

The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB220B	RB220A
PUMP		
RPM	2900	2900
P MAX (kW)	5.5	7.5
Q MAX (m ³ /h)	50	50
H MAX (m)	35	45
Ø Inlet/outlet (mm) Inlet / outlet	50 / 50	50 / 50
Ø Impeller (mm) - N. blades	175 - 2	196 - 2
Ø Seal (mm)	32	32
Free solids passage MAX size (mm)	40 x 30	40 x 30

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	132S - 2900 - 2	132S - 2900 - 2
Power (kW)	5.5	7.5
Priming time from 4 m depth (s)	96	90
Nominal Current (A)	10.5	14.3
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	No
Protection	IP55	IP55

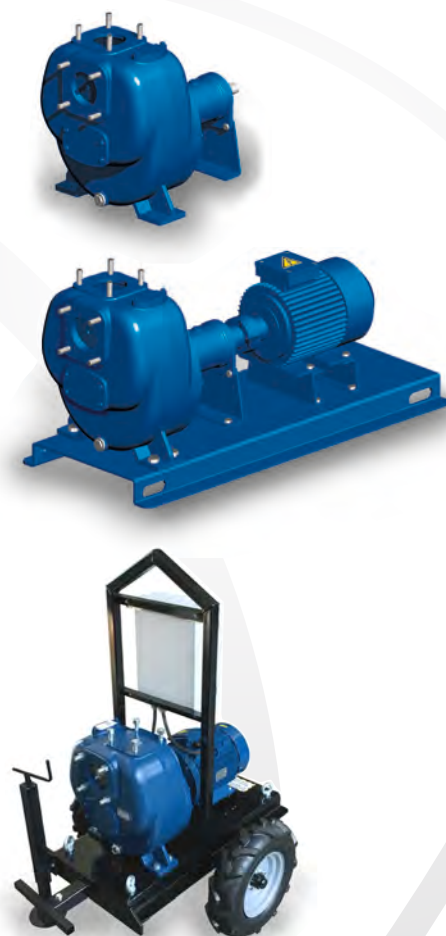
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
T: Monobloc (kg)	82	88
S: Bare shaft pump (kg)	63	63
S/T...: Complete pump assembly (kg)	140	145

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

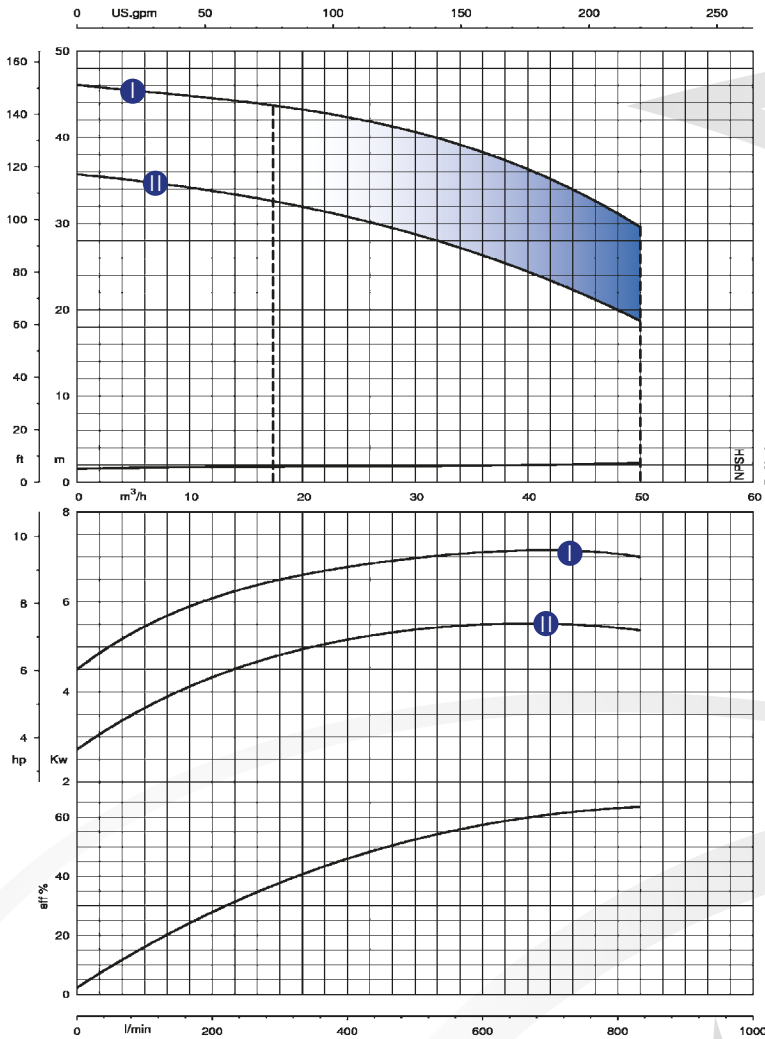


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB220



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB220A

II RB220B

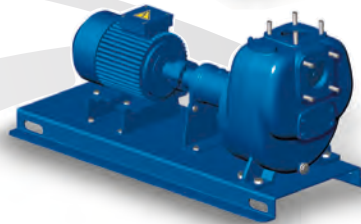
Performances are subjected to variations based on NPSH available.



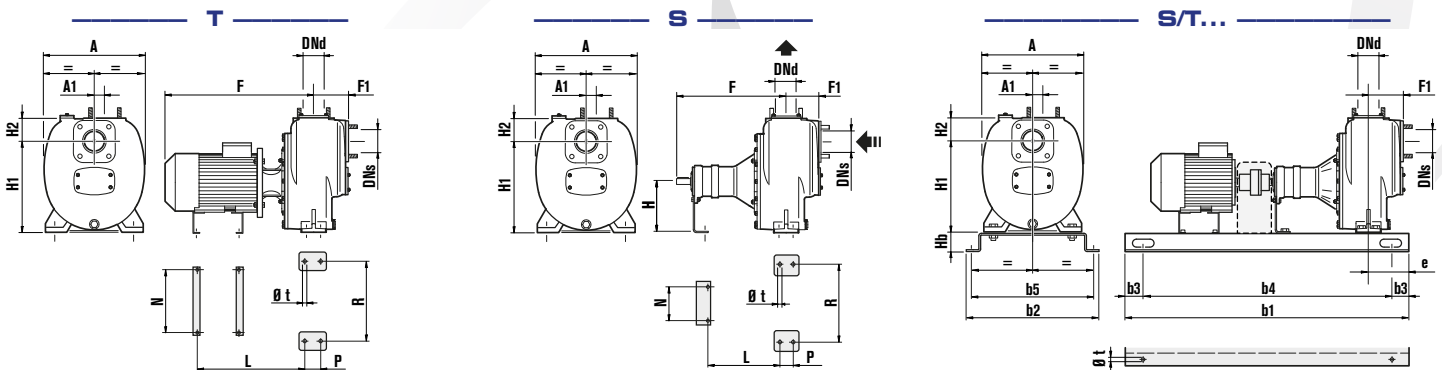
T MONOBLOC



S BARE SHAFT PUMP



S/T... BASE-FRAME AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB220AGT	50	50	314	60							600	101		279	71		461	250	70	200	14
RB220BGT	50	50	314	60							600	101		279	71		423	250	70	200	14
RB220A / B GS	50	50	314	60							473	101	160	279	71		321	152	70	200	14
RB220AGS/T72	50	50	314	60	1000	450	170	660	400	60		101		279	71	80					17
RB220BGS/T52	50	50	314	60	1000	450	170	660	400	60		101		279	71	80					17

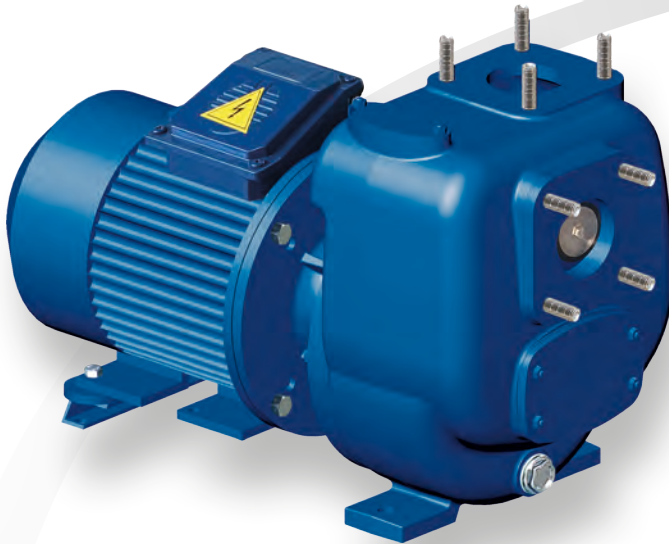
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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB316



POMPE • ITALIA



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FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB316B	RB316A	RB316O
PUMP			
RPM	2900	2900	2900
P MAX (kW)	4	5.5	7.5
Q MAX (m ³ /h)	90	90	90
H MAX (m)	20	24	28
Ø Inlet/outlet (mm) Inlet / outlet	80 / 80	80 / 80	80 / 80
Ø Impeller (mm) - N. blades	138 - 3	146 - 3	160 - 3
Ø Seal (mm)	32	32	32
Free solids passage MAX size (mm)	35 x 25	35 x 25	35 x 25

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	112M - 2900 - 2	132S - 2900 - 2	132S - 2900 - 2
Power (kW)	4	5.5	7.5
Priming time from 4 m depth (s)	20	18	22
Nominal Current (A)	8.1	10.5	14.3
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50	400 - 50
Oversized el. motor for monobloc version	Yes	Yes	Yes
Protection	IP55	IP55	IP55

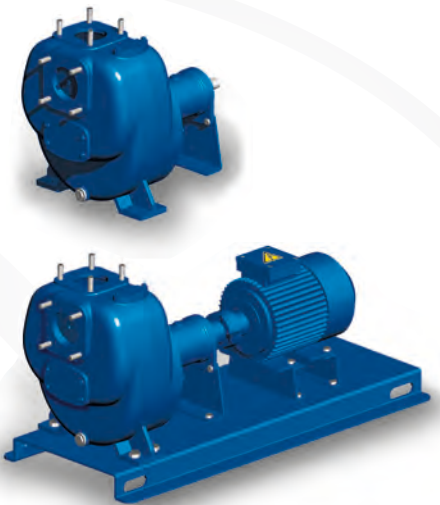
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)			
T: Monobloc (kg)	98	110	115
S: Bare shaft pump (kg)	80	80	80
S/T...: Complete pump assembly (kg)	151	163	168

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

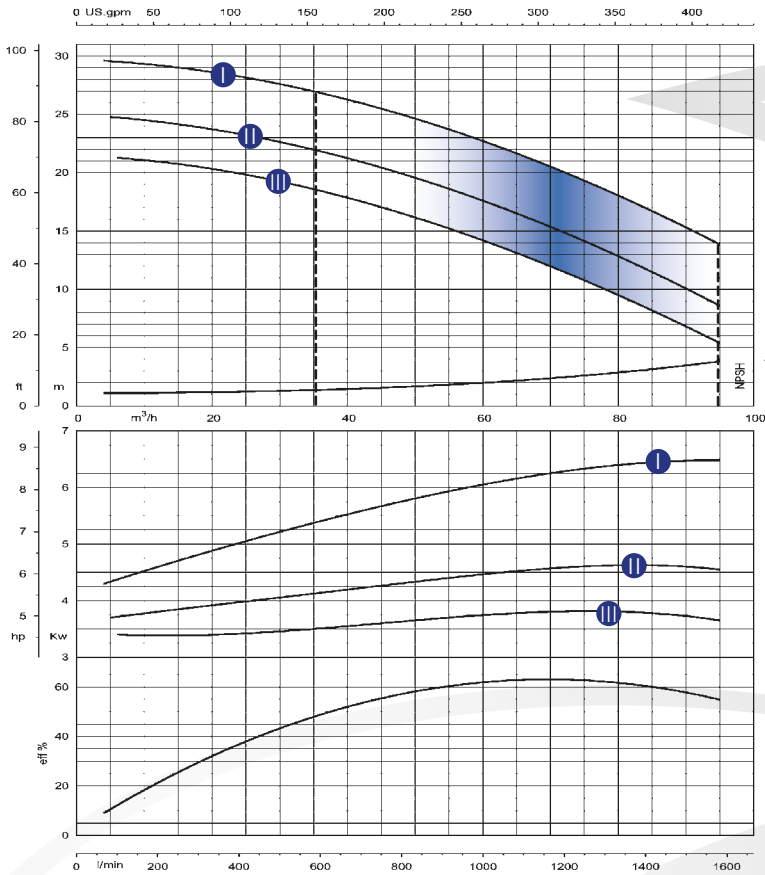


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB316



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB316

II RB316A

III RB316B

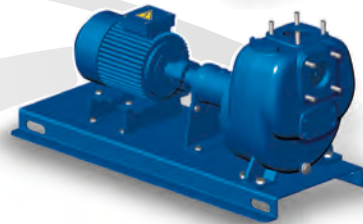
Performances are subjected to variations based on NPSH available.



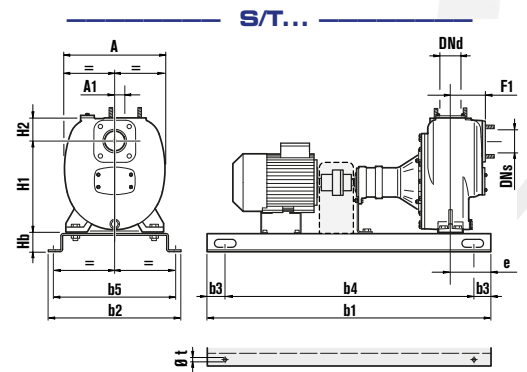
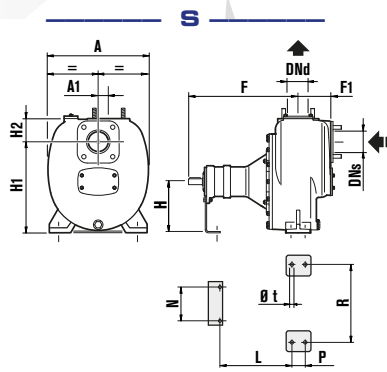
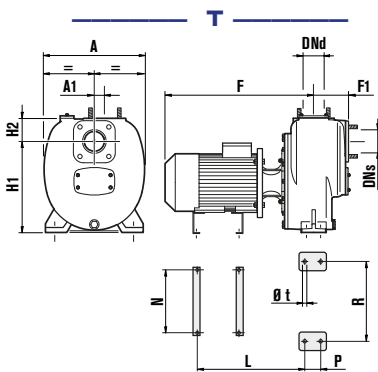
T
MONOBLOC



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	ø t
RB316AGT	80	80	350	80							564	156		319	109		422	250		260	18
RB316BGT	80	80	350	80							520	156		319	109		403	250		260	18
RB316OGT	80	80	350	80							564	156		319	109		422	250		260	18
RB316A / B GS	80	80	350	80							437	156	170	319	109		320	152		260	18
RB316AGS/T52	80	80	350	80	1000	450	170	660	400	75		156		319	109	80					17
RB316BGS/T42	80	80	350	80	1000	450	170	660	400	75		156		319	109	80					17
RB316OGS/T72	80	80	350	80	1000	450	170	660	400	75		156		319	109	80					17

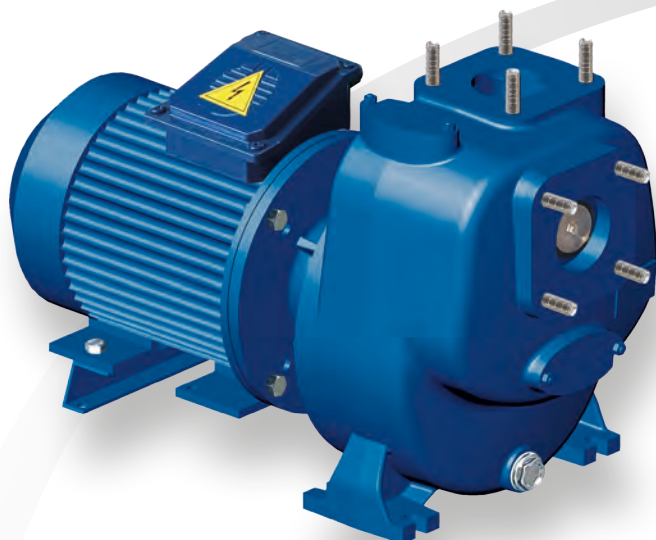
All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB320

ROBUSTA
Hydraulic System

VIESSE
POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB320B	RB320A	RB3200
PUMP			
RPM	2900	2900	2900
P MAX (kW)	7.5	9	11
Q MAX (m ³ /h)	120	120	120
H MAX (m)	25	32	36
Ø Inlet/outlet (mm) Inlet / outlet	80 / 80	80 / 80	80 / 80
Ø Impeller (mm) - N. blades	162 - 3	178 - 3	188 - 3
Ø Seal (mm)	32	32	32
Free solids passage MAX size (mm)	40 x 35	40 x 35	40 x 35

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	132S - 2900 - 2	132M - 2900 - 2	160M* - 2900 - 2
Power (kW)	7.5	9	11
Priming time from 4 m depth (s)	30	27	33
Nominal Current (A)	14.3	18	21.9
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50	400 - 50
Oversized el. motor for monobloc version	Yes	Yes	No
Protection	IP55	IP55	IP55

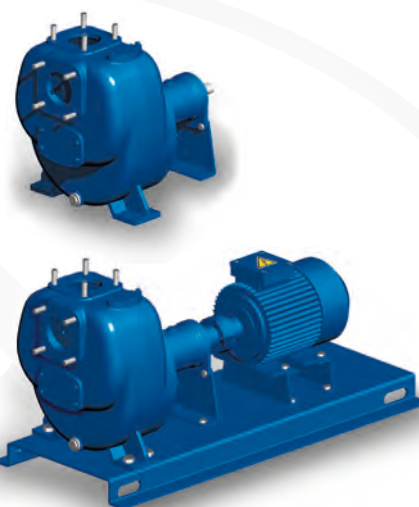
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)			
T: Monobloc (kg)	113	115	130
S: Bare shaft pump (kg)	75	75	75
S/T...: Complete pump assembly (kg)	192	197	250

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armoured volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.



* For monobloc version RB3200GT
Motor in downsized frame 132



SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB320



POMPE • ITALIA

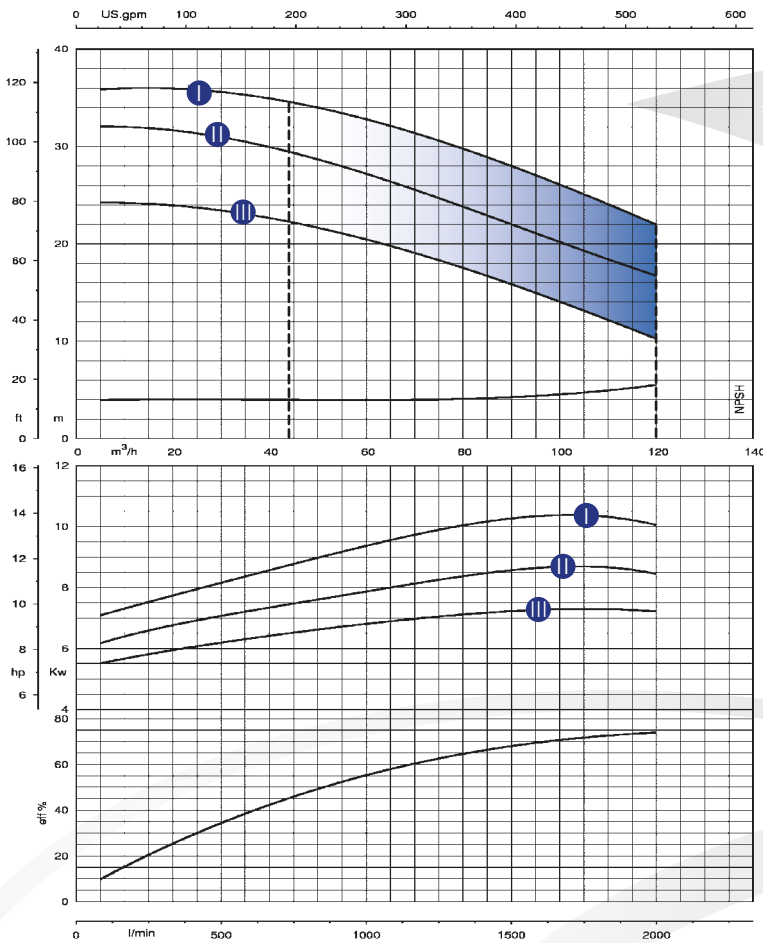
PUMP PERFORMANCE RANGE

I RB3200

II RB320A

III RB320B

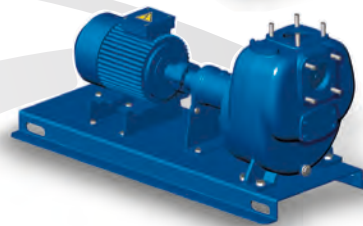
Performances are subjected to variations based on NPSH available.



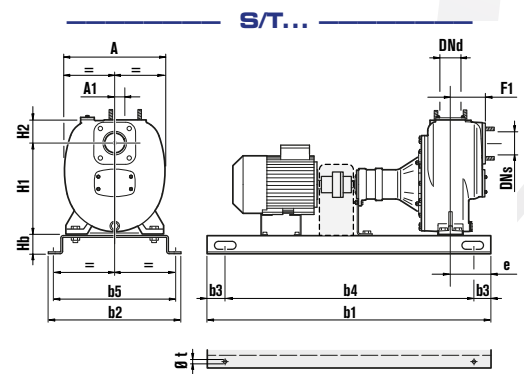
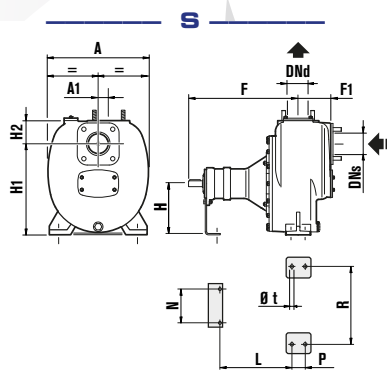
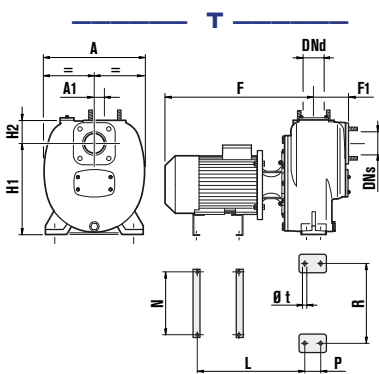
T
MONOBLOC



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB320AGT	80	80	347	65							570	163		326	104		400	250	112	280	14
RB320BGT	80	80	347	65							570	163		326	100		400	250	112	280	14
RB320OGT	80	80	347	65							634	163		326	104		400	250	112	280	14
RB320A / B / O GS	80	80	347	65							443	163	180	326	104		261	152	112	280	14
RB320AGS/T92	80	80	347	65	1120	490	190	740	440	90		163		326	104	80					18
RB320BGS/T72	80	80	347	65	1120	490	190	740	440	90		163		326	104	80					18
RB320OGS/T112	80	80	347	65	1120	490	190	740	440	90		163		326	104	80					18

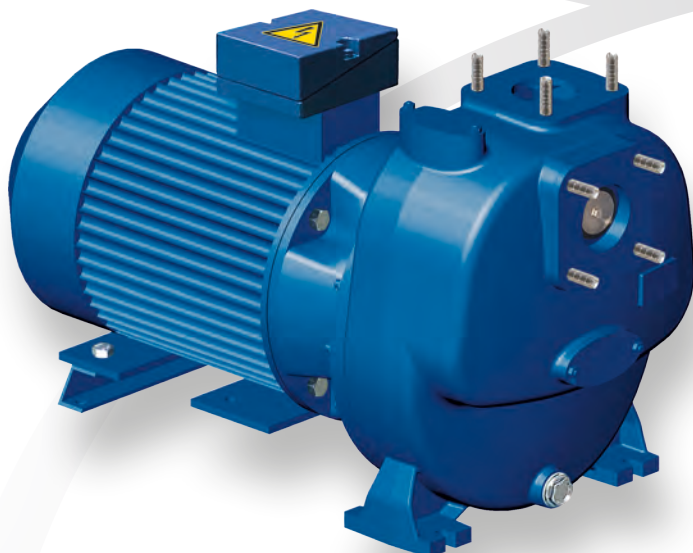
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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB325

ROBUSTA
Hydraulic System

VIESSE 
POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation.

The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB325B	RB325A	RB3250
PUMP			
RPM	2900	2900	2900
P MAX (kW)	15	18.5	22
Q MAX (m ³ /h)	120	120	120
H MAX (m)	43	51	56
Ø Inlet/outlet (mm) Inlet / outlet	80 / 80	80 / 80	80 / 80
Ø Impeller (mm) - N. blades	216 - 3	230 - 3	246 - 3
Ø Seal (mm)	45	45	45
Free solids passage MAX size (mm)	30 x 15	30 x 15	30 x 15

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	160M - 2900 - 2	160L - 2900 - 2	180M - 2900 - 2
Power (kW)	15	18.5	22
Priming time from 4 m depth (s)	37	30	45
Nominal Current (A)	28.1	35	41
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50	400 - 50
Oversized el. motor for monobloc version	No	-	-
Protection	IP55	IP55	IP55

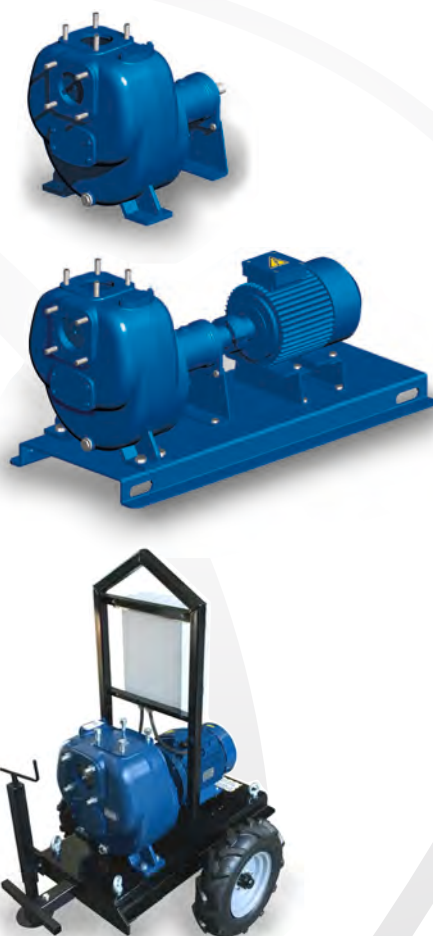
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)			
T: Monobloc (kg)	132	-	-
S: Bare shaft pump (kg)	135	135	135
S/T...: Complete pump assembly (kg)	311	326	356

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

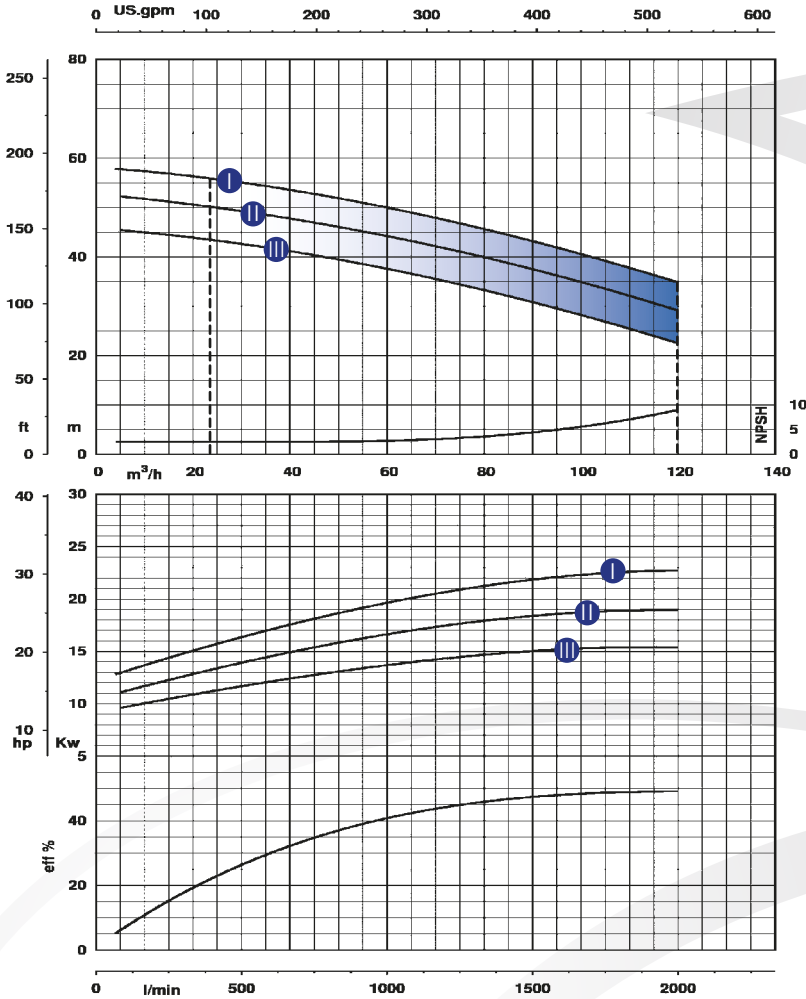


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB325



POMPE • ITALIA



PUMP PERFORMANCE RANGE

- I RB3250
- II RB325A
- III RB325B

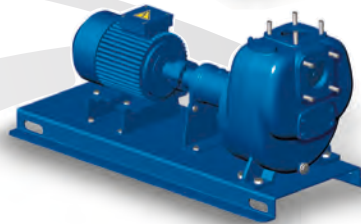
Performances are subjected to variations based on NPSH available.



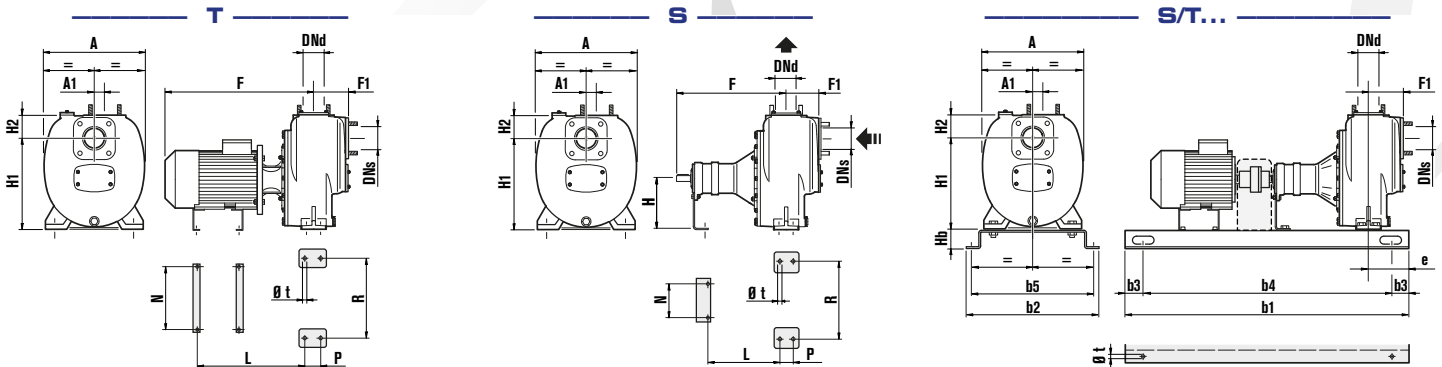
T
MONOBLOC
(only RB325B)



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB325BGT	80	80	437	65							535	163		405	100		353	270	112	320	14
RB325A / B / O GS	80	80	437	65							532	163	225	405	100		317	202	112	320	14
RB325AGS/T182	80	80	437	65	1120	540	205	840	490	100		163		405	100	80					20
RB325BGS/T152	80	80	437	65	1120	540	205	840	490	100		163		405	100	80					20
RB3250GS/T222	80	80	437	65	1120	540	205	840	490	100		163		405	100	80					20

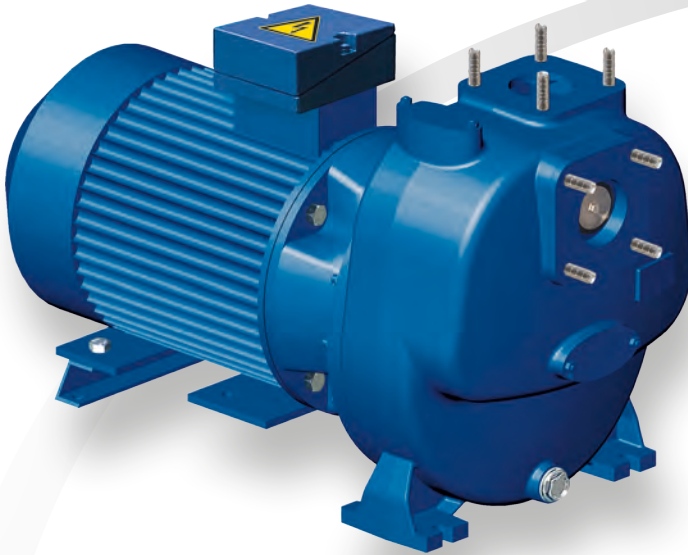
All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB325 L



POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB325B L *	RB325A L *
PUMP		
RPM	1450	1450
P MAX (kW)	4	5.5
Q MAX (m ³ /h)	100	120
H MAX (m)	14	20
Ø Inlet/outlet (mm) Inlet / outlet	80 / 80	80 / 80
Ø Impeller (mm) - N. blades	218 - 3	250 - 3
Ø Seal (mm)	32	32
Free solids passage MAX size (mm)	40 x 15	40 x 15

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	112M - 1450 - 4	132S - 1450 - 4
Power (kW)	4	5.5
Priming time from 4 m depth (s)	37	45
Nominal Current (A)	8.1	11.2
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	Yes
Protection	IP55	IP55

PUMP SET UP AVAILABLE

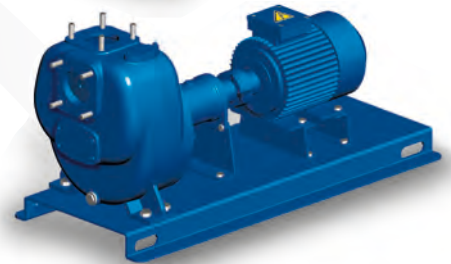
Possible coupling versions (total weight)		
T4: Monobloc (kg)	132	144
S4: Bare shaft pump (kg)	107	107
S4 / T...: Complete pump assembly (kg)	193	210

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

* Low speed version

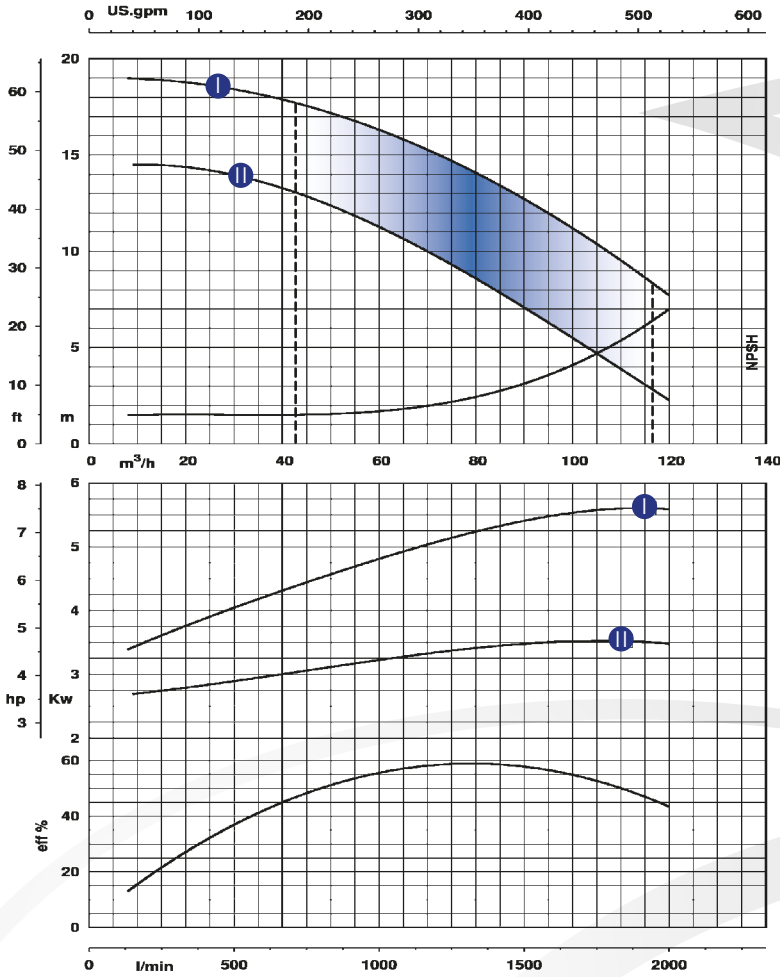


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB325 L



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB325A

II RB325B

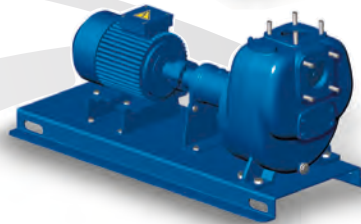
Performances are subjected to variations based on NPSH available.



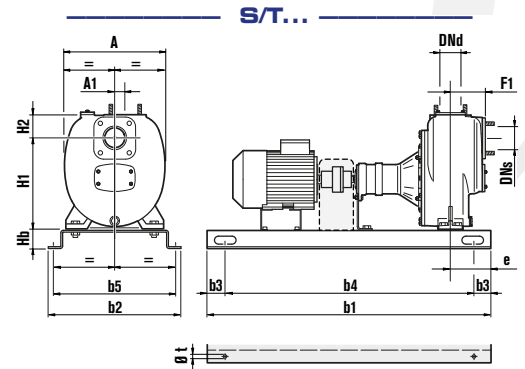
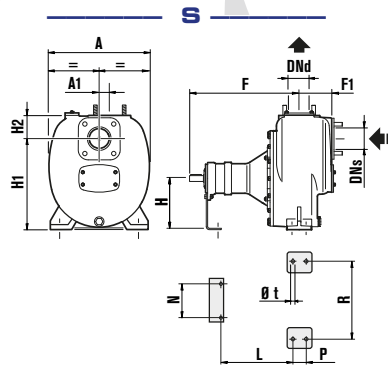
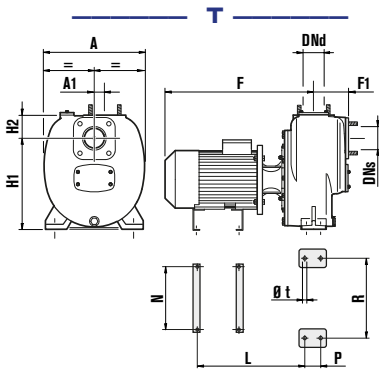
T
MONOBLOC



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	θ t	
RB325AGT4	80	80	437	65							579	163		405	100		372	270	112	320	14	
RB325BGT4	80	80	437	65							535	163		405	100		353	270	112	320	14	
RB325A / B GS4	80	80	437	65							451	163	225	405	100		270	154	112	320	14	
RB325AGS4/T54	80	80	437	65	1120	540	205	840	490	100		163		405	100	80						20
RB325BGS4/T44	80	80	437	65	1120	540	205	840	490	100		163		405	100	80						20

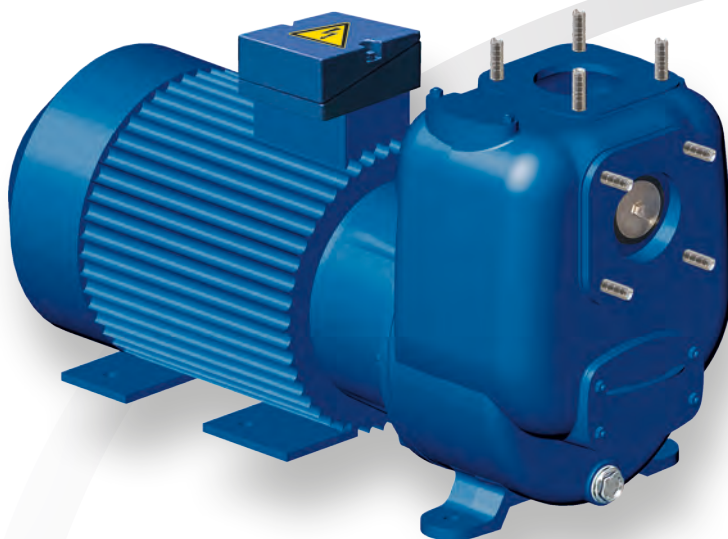
All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB416

ROBUSTA
Hydraulic System

VIESSE 
POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB416B	RB416A
PUMP		
RPM	2900	2900
P MAX (kW)	9	11*
Q MAX (m ³ /h)	180	180
H MAX (m)	22	27
Ø Inlet/outlet (mm) Inlet / outlet	100 / 100	100 / 100
Ø Impeller (mm) - N. blades	146 - 3	160 - 3
Ø Seal (mm)	35	35
Free solids passage MAX size (mm)	50 x 30	50 x 30

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	132M - 2900 - 2	160M - 2900 - 2
Power (kW)	5.2	11
Priming time from 4 m depth (s)	30	25
Nominal Current (A)	18.2	21.9
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	Yes
Protection	IP55	IP55

PUMP SET UP AVAILABLE

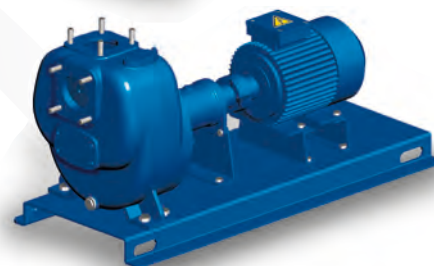
Possible coupling versions (total weight)		
T: Monobloc (kg)	-	168
S: Bare shaft pump (kg)	85	85
S/T...: Complete pump assembly (kg)	207	260

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

* Electric motor for monobloc version is in frame B3/B14 (B34)

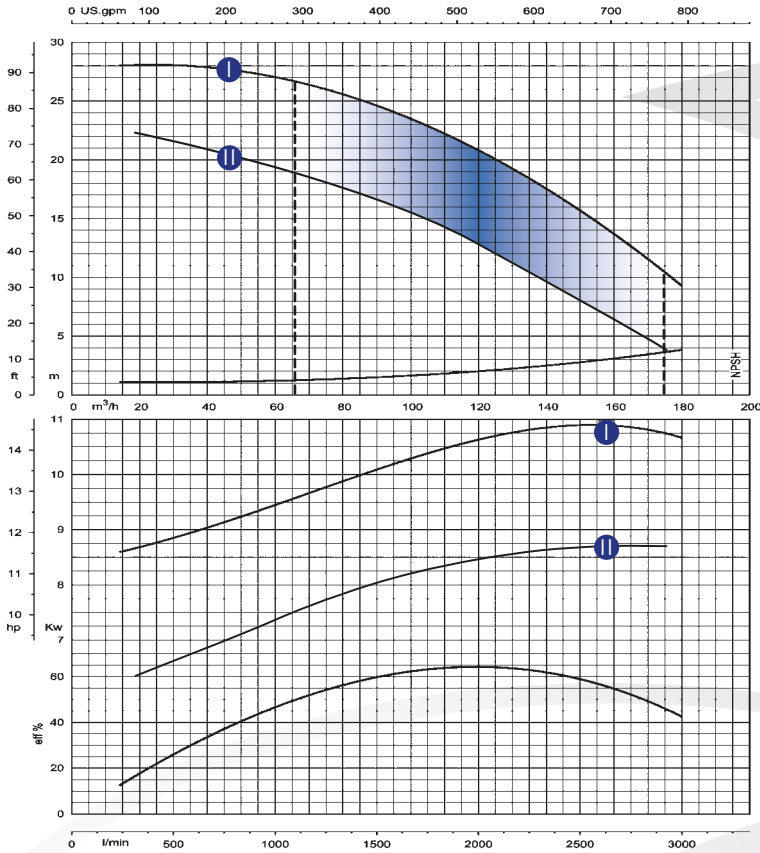


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB416



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB416A

II RB416B

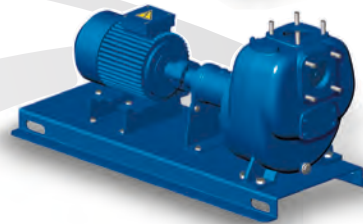
Performances are subjected to variations based on NPSH available.



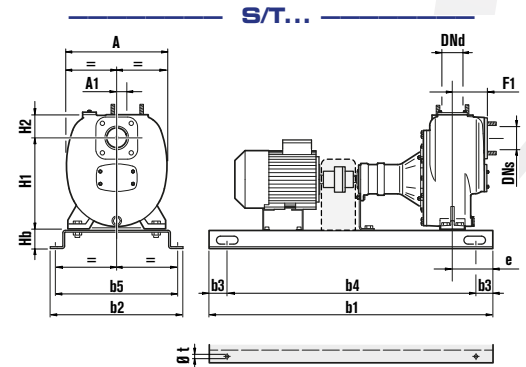
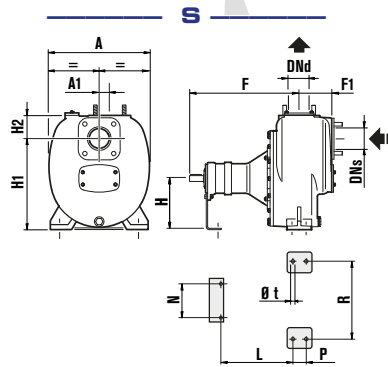
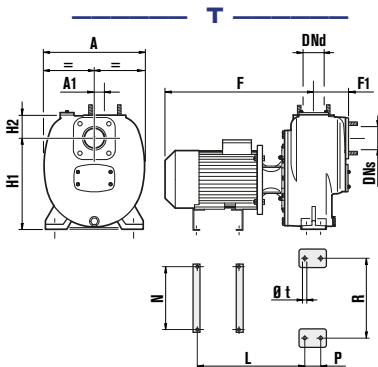
T MONOBLOC



S BARE SHAFT PUMP



S/T... BASE-FRAME AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t	
RB416AGT	100	100	352	45							737	150		365	108		550	254		300	18	
RB416A / B GS	100	100	352	45							471	150	174	365	108		355	152		300	18	
RB416AGS/T112	100	100	357	45	1120	490	190	740	440	120		150		365	108	80						18
RB416BGS/T32	100	100	357	45	1120	490	190	740	440	120		150		365	108	80						18

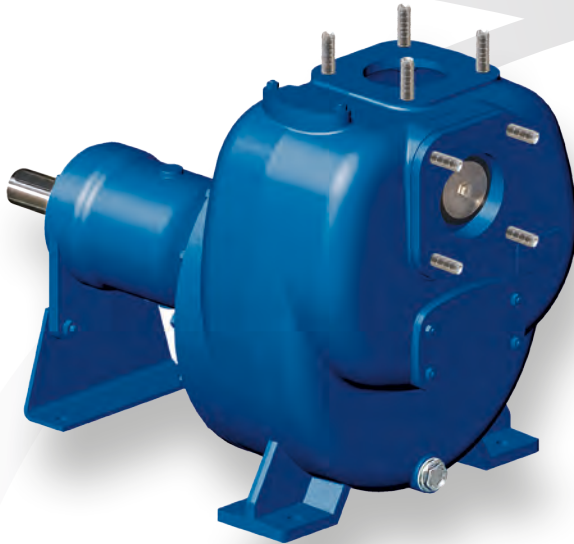
All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB425



POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.
- ✓ Permanent grease lubricated ball bearings.

VERSIONS

Code	RB425B	RB425A	RB4250
PUMP			
RPM	2900	2900	2900
P MAX (kW)	22	28	37
Q MAX (m ³ /h)	180	180	180
H MAX (m)	49	54	61
Ø Inlet/outlet (mm) Inlet / outlet	100 / 100	100 / 100	100 / 100
Ø Impeller (mm) - N. blades	220 - 3	240 - 3	250 - 3
Ø Seal (mm)	45	45	45
Free solids passage MAX size (mm)	50 x 24	50 x 24	50 x 24

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	180M - 2900 - 2	200L - 2900 - 2	200L - 2900 - 2
Power (kW)	22	30	37
Priming time from 4 m depth (s)	45	40	43
Nominal Current (A)	41	55	67
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50	400 - 50
Oversized el. motor for monobloc version	-	-	-
Protection	IP55	IP55	IP55

PUMP SET UP AVAILABLE

Possible coupling versions (total weight)			
S: Bare shaft pump (kg)	134	134	134
S/T...: Complete pump assembly (kg)	362	414	440

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

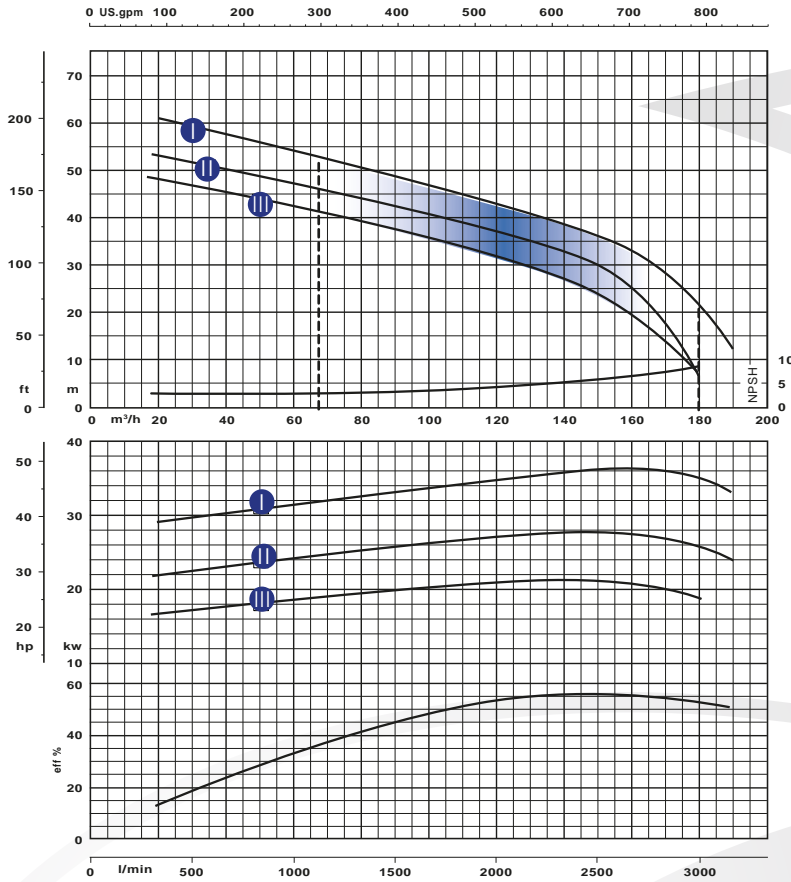


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB425



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB4250

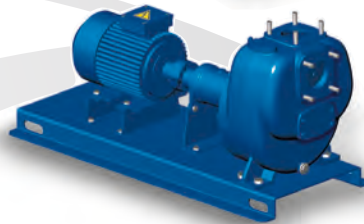
II RB425A

III RB425B

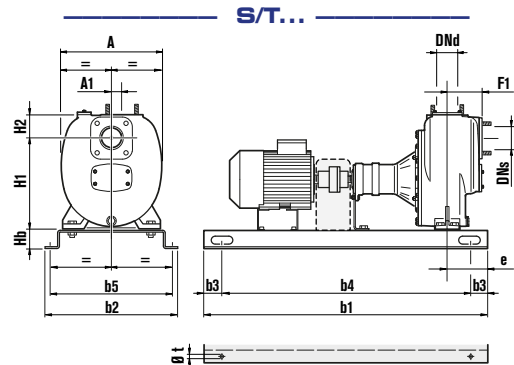
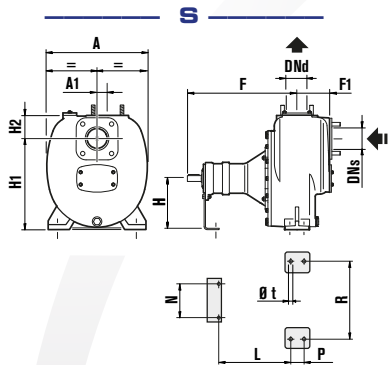
Performances are subjected to variations based on NPSH available.



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t	
RB425A / B / O GS	100	100	442	46							562	103	225	400	102		384	202	56	350	16	
RB425AGS/T302	100	100	442	46	1250	540	205	840	490	100	153		400	102	80							20
RB425BGS/T222	100	100	442	46	1250	540	205	840	490	100	153		400	102	80							20
RB4250GS/T372	100	100	442	46	1250	540	205	840	490	100	153		400	102	80							20

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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB425 L



POMPE • ITALIA



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FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB425B L*	RB425A L*
PUMP		
RPM	1450	1450
P MAX (kW)	5.5	7.5
Q MAX (m ³ /h)	170	180
H MAX (m)	16	20
Ø Inlet/outlet (mm) Inlet / outlet	100 / 100	100 / 100
Ø Impeller (mm) - N. blades	225 - 3	250 - 3
Ø Seal (mm)	32	32
Free solids passage MAX size (mm)	55 x 50	55 x 50

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	132S - 1450 - 4	132M - 1450 - 4
Power (kW)	5.5	7.5
Priming time from 4 m depth (s)	50	41
Nominal Current (A)	11.2	15.3
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	Yes
Protection	IP55	IP55

PUMP SET UP AVAILABLE

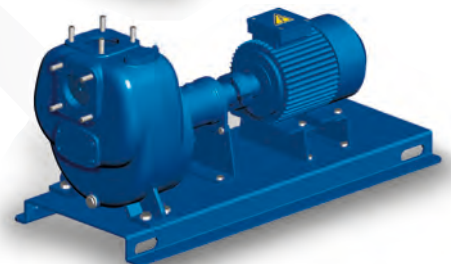
Possible coupling versions (total weight)		
T4: Monobloc (kg)	141	146
S4: Bare shaft pump (kg)	106	106
S4 / T...: Complete pump assembly (kg)	201	210

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

* Low speed version

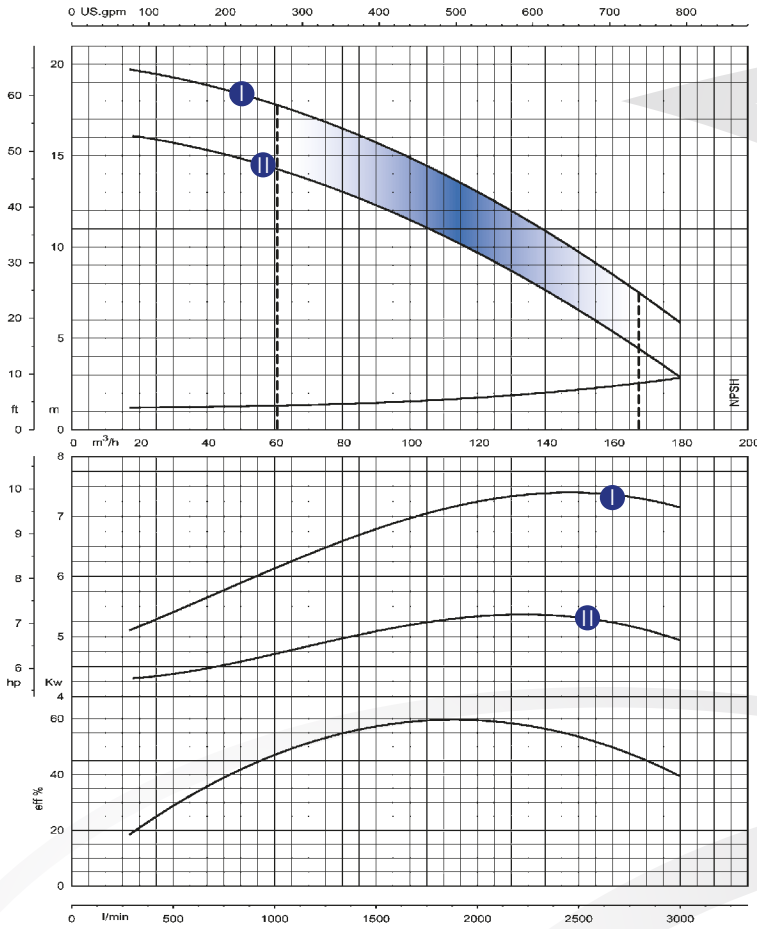


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB425 L



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB425A

II RB425B

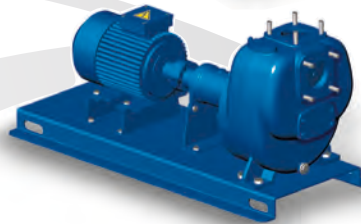
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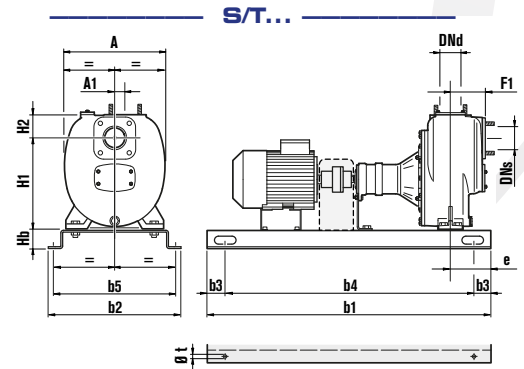
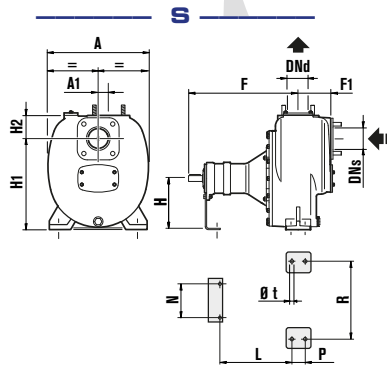
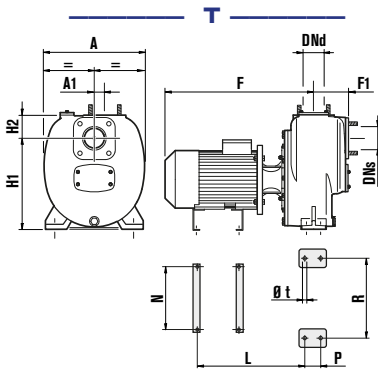
T MONOBLOC



S BARE SHAFT PUMP



S/T... BASE-FRAME AND COUPLING

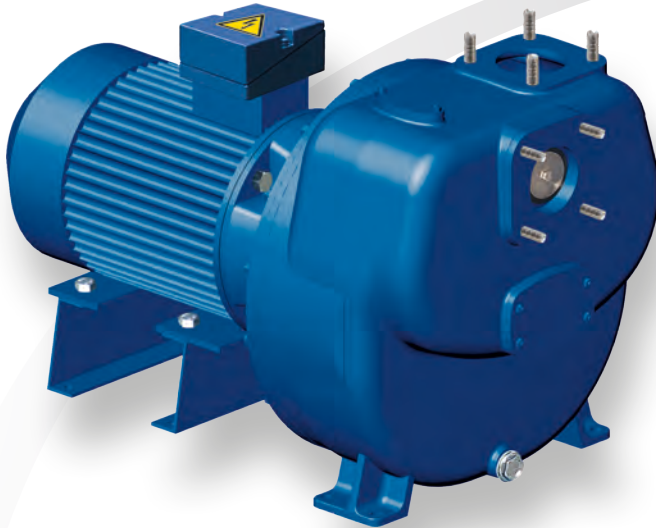


DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB425AGT4	100	100	442	46							652	153		400	102		476	270	56	350	16
RB425BGT4	100	100	442	46							612	153		400	102		476	270	56	350	16
RB425A / B / O GS4	100	100	442	46							481	153	225	400	102		336	154	56	350	16
RB425AGS4/T74	100	100	442	46	1250	540	205	840	490	100		153		400	102	80					20
RB425BGS4/T54	100	100	442	46	1250	540	205	840	490	100		153		400	102	80					20

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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB431



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB431B	RB431A
PUMP		
RPM	1450	1450
P MAX (kW)	11	15
Q MAX (m ³ /h)	200	200
H MAX (m)	26	32
Ø Inlet/outlet (mm) Inlet / outlet	100 / 100	100 / 100
Ø Impeller (mm) - N. blades	280 - 3	313 - 3
Ø Seal (mm)	45	45
Free solids passage MAX size (mm)	50 x 50	50 x 50

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	160M - 1450 - 4	160L - 1450 - 4
Power (kW)	11	15
Priming time from 4 m depth (s)	45	50
Nominal Current (A)	22	29
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	No
Protection	IP55	IP55

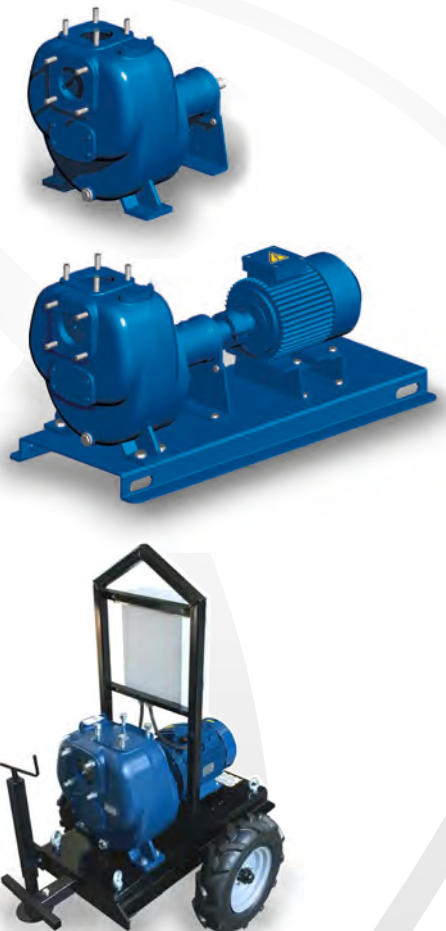
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
T4: Monobloc (kg)	275	280
S4: Bare shaft pump (kg)	177	177
S4 / T...: Complete pump assembly (kg)	410	410

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

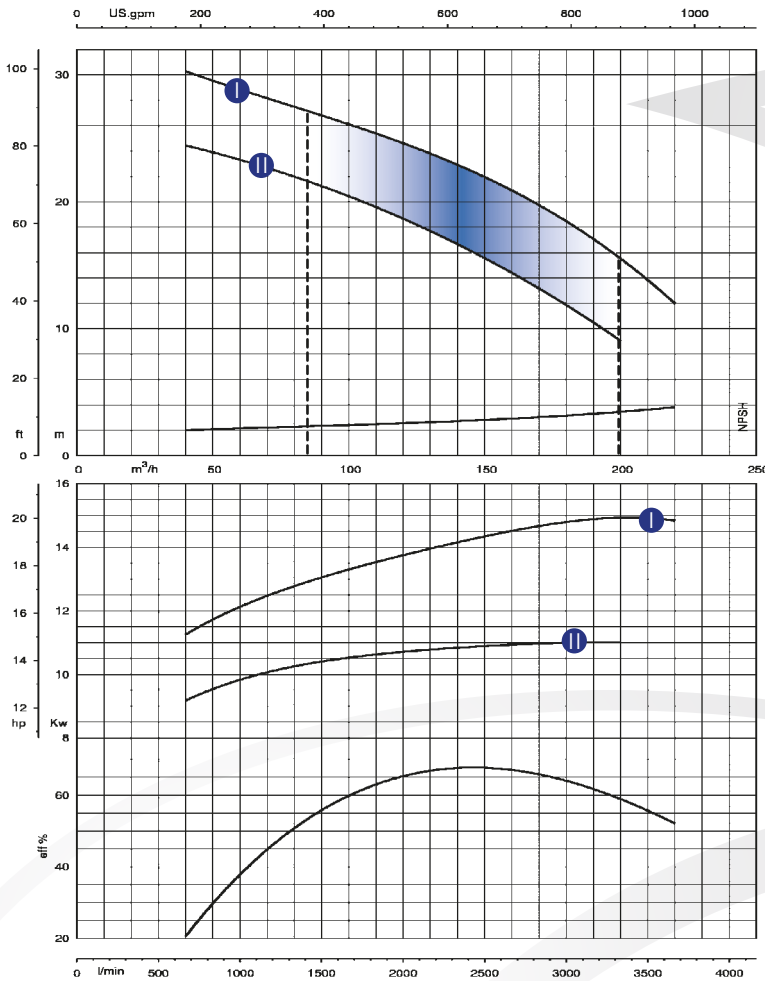


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB431



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB431A

II RB431B

Performances are subjected to variations based on NPSH available.



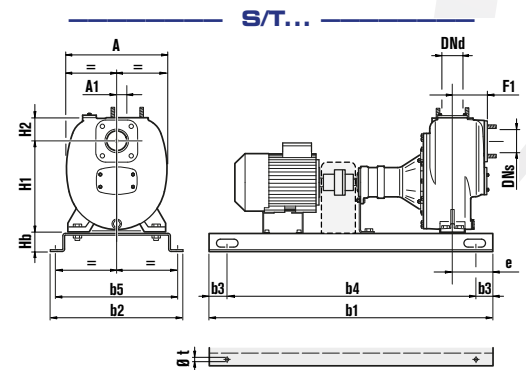
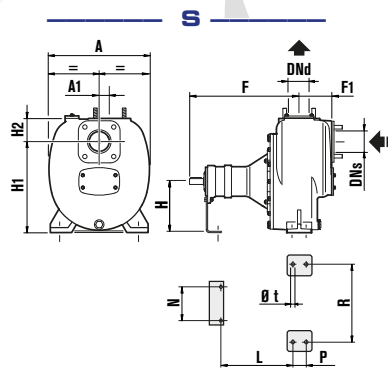
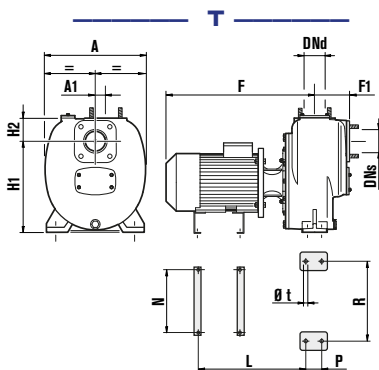
T MONOBLOC



S BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB431A / B GT4	100	100	582	130						850	169		510	105		597	320	102	468	18	
RB431A / B GS4	100	100	582	130						610	169	300	510	105		392	203	102	468	18	
RB431AGS4/T154	100	100	582	130	1500	720	250	900	680	75		169		510	105	100					20
RB431BGS4/T114	100	100	582	130	1500	720	250	900	680	75		169		510	105	100					20

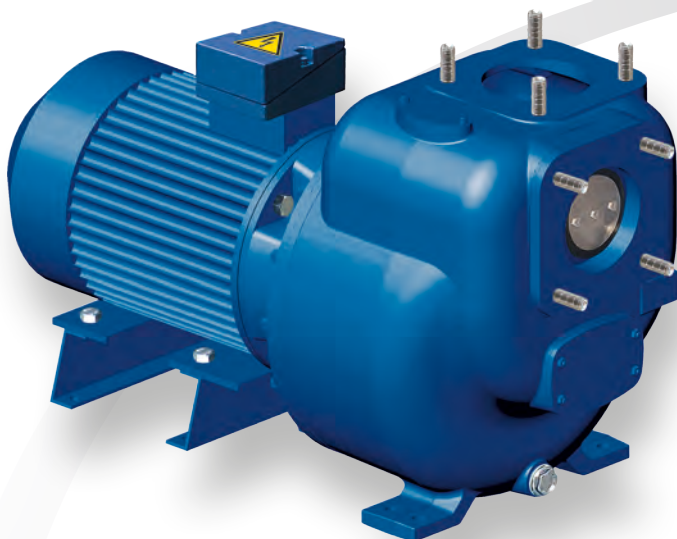
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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB625

ROBUSTA
Hydraulic System

VIESSE 
POMPE • ITALIA



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation. The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.

VERSIONS

Code	RB625B	RB625A
PUMP		
RPM	1450	1450
P MAX (kW)	9	11
Q MAX (m ³ /h)	300	350
H MAX (m)	15	17
Ø Inlet/outlet (mm) Inlet / outlet	150 / 150	150 / 150
Ø Impeller (mm) - N. blades	230 - 3	250 - 3
Ø Seal (mm)	45	45
Free solids passage MAX size (mm)	73 x 50	73 x 50

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	132L - 1450 - 4	160M - 1450 - 4
Power (kW)	9.2	11
Priming time from 4 m depth (s)	71	59
Nominal Current (A)	18	22
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	Yes	Yes
Protection	IP55	IP55

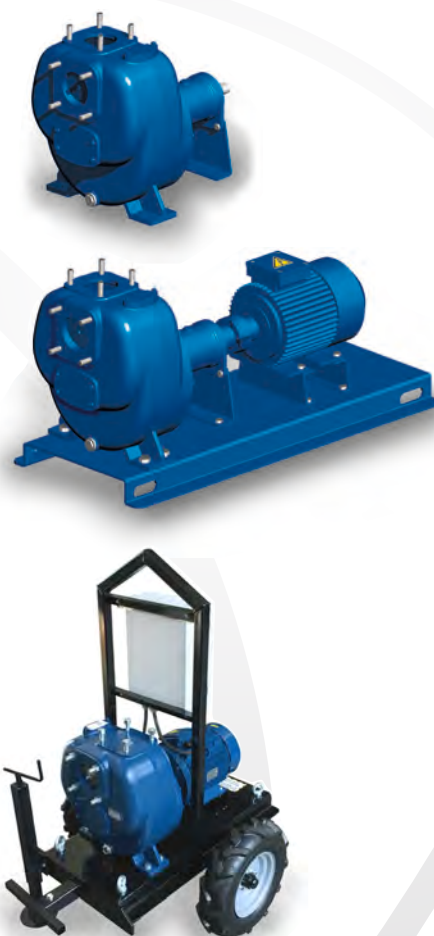
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
T4: Monobloc (kg)	-	274
S4: Bare shaft pump (kg)	186	186
S4 /T...: Complete pump assembly (kg)	360	365

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

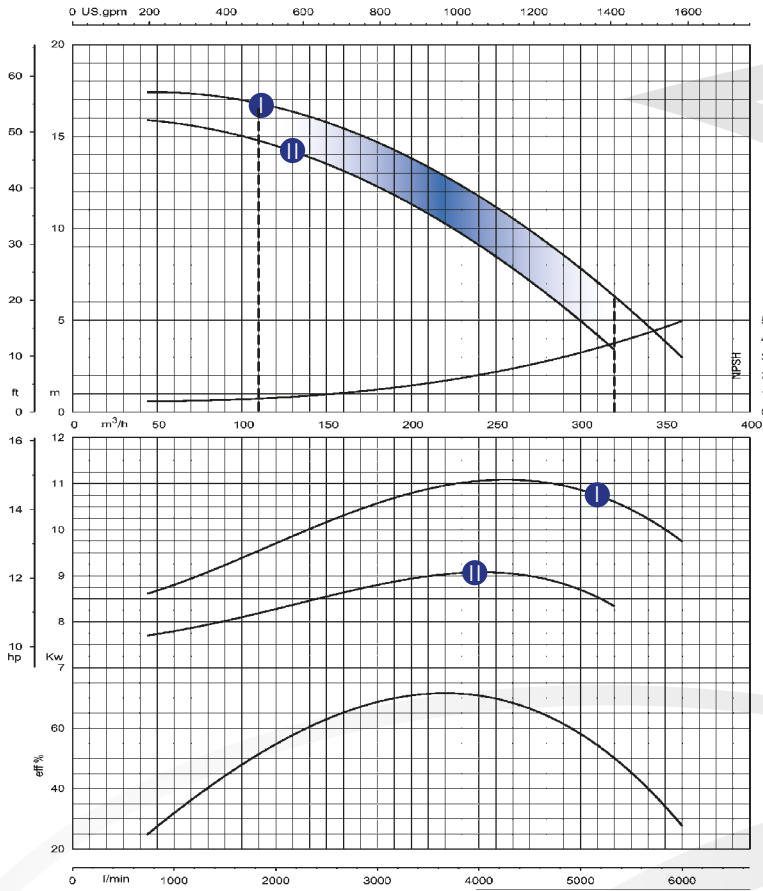


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB625



POMPE • ITALIA



PUMP PERFORMANCE RANGE

I RB625A

II RB625B

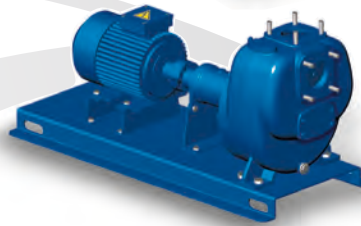
Performances are subjected to variations based on NPSH available.



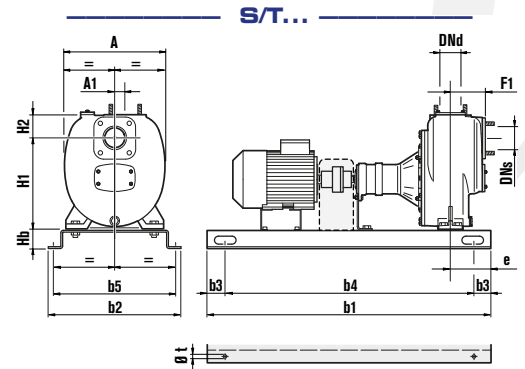
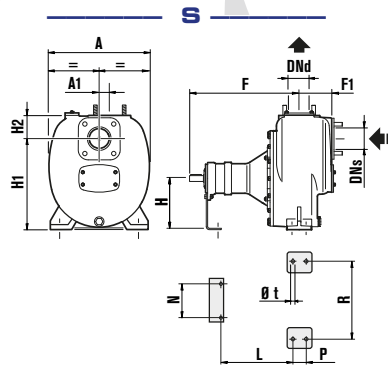
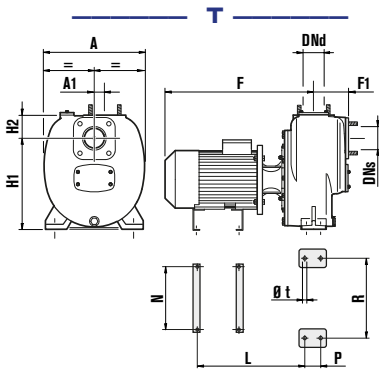
T MONOBLOC



S BARE SHAFT PUMP



S/T... BASE-FRAME AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB625AGT4	150	150	512	70							829	188		450	131		612	320	50	360	18
RB625A / B GS4	150	150	512	70							631	188	260	450	131		451	203	50	360	18
RB625AGS4/T114	150	150	512	70	1250	540	205	840	490	90		182		450	131	80					20
RB625BGS4/T94	150	150	512	70	1250	540	205	840	490	90		182		450	131	80					20

All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB831

ROBUSTA
Hydraulic System

VIESSE 
POMPE • ITALIA



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The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.
- ✓ Oil bath lubricated ball bearings.

VERSIONS

Code	RB831B	RB831A	RB831O
PUMP			
RPM	1450	1450	1450
P MAX (kW)	22	30	37
Q MAX (m ³ /h)	550	550	550
H MAX (m)	22	26	28
Ø Inlet/outlet (mm) Inlet / outlet	200 / 200	200 / 200	200 / 200
Ø Impeller (mm) - N. blades	270 - 3	300 - 3	315 - 3
Ø Seal (mm)	55	55	55
Free solids passage MAX size (mm)	75 x 78	75 x 78	75 x 78

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	180L - 1450 - 4	200L - 1450 - 4	225S - 1450 - 4
Power (kW)	22	30	37
Priming time from 4 m depth (s)	55	50	45
Nominal Current (A)	40	57	70
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50	400 - 50
Oversized el. motor for monobloc version	-	-	-
Protection	IP55	IP55	IP55

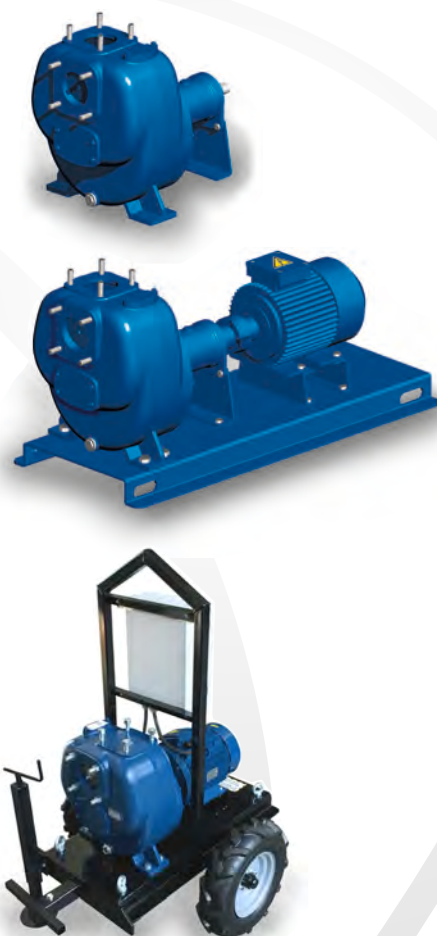
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)			
S4: Bare shaft pump (kg)	354	354	350
S4 /T...: Complete pump assembly (kg)	924	987	1000

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armored volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

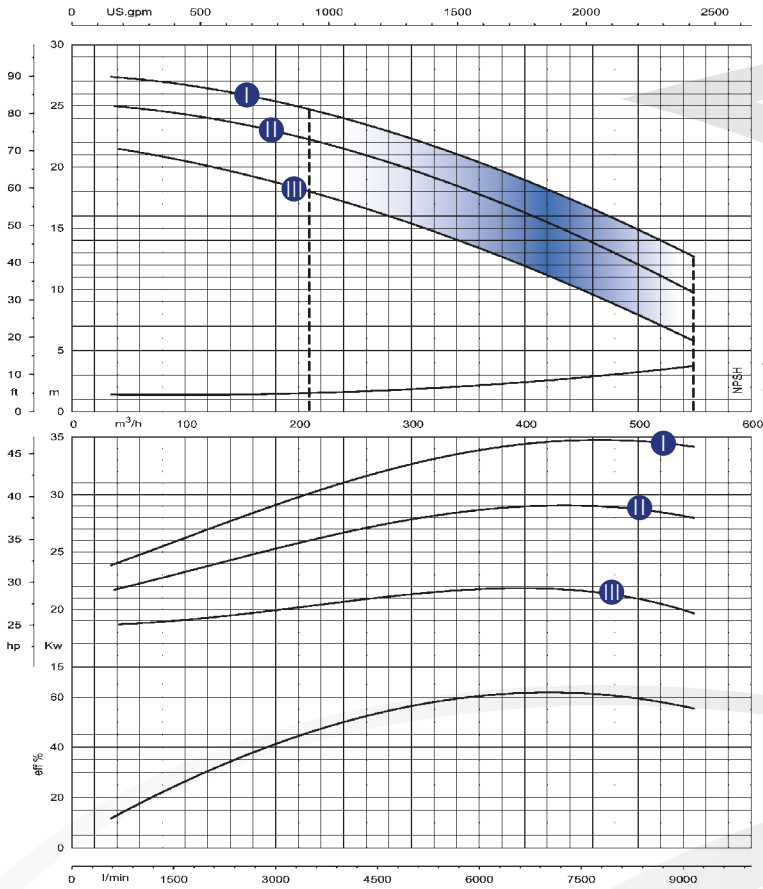


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB831



POMPE • ITALIA



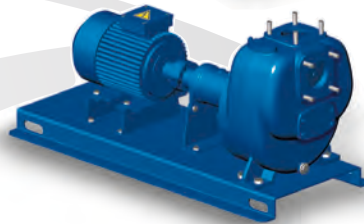
PUMP PERFORMANCE RANGE

- I RB8310
- II RB831A
- III RB831B

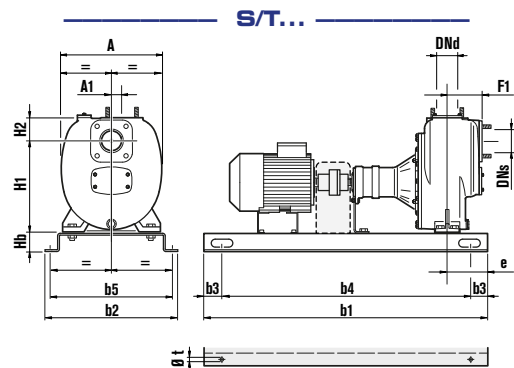
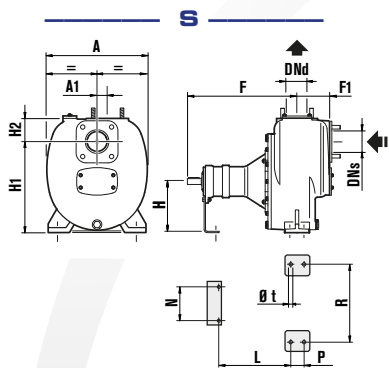
Performances are subjected to variations based on NPSH available.



S
BARE SHAFT PUMP



S/T...
BASE-FRAME
AND COUPLING

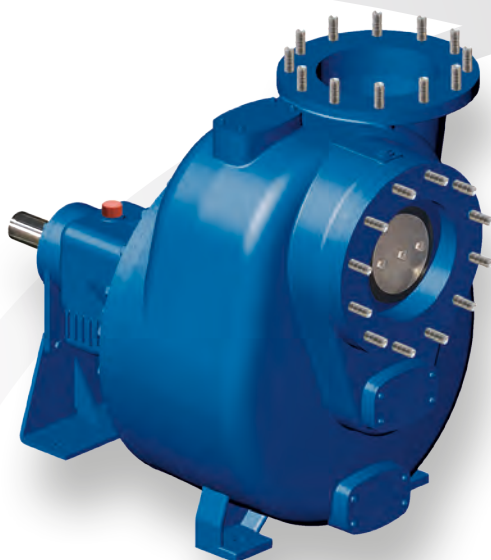


DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB831A / B / O GS4	200	200	690	137							749	255	370	550	180		456	240	140	410	20
RB831AGS4/T304	200	200	690	137	1900	800	200	1300	750	120	255		550	180	140						18
RB831BGS4/T224	200	200	690	137	1900	800	200	1300	750	120	255		550	180	140						18
RB831OGS4/T374	200	200	690	137	1900	800	200	1300	750	120	255		550	180	140						18

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SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB1031



The self-priming centrifugal pumps "Robusta" are designed to comply to the hardest and heavy duty applications, such as: building, emergency and industrial sectors. The open-blade double-curvature impeller, unique across the world, ensures a superior priming ability voiding the need of a foot valve installation.

The high thickness of the pump body and of the impeller blades, allow the handling of more abrasive fluids and large passage of solids.

FEATURES

- ✓ EN-JL1030 cast iron construction according to UNI EN 1561 with modular body.
- ✓ Replaceable screw-less armoured internal volute in EN-JS1030 nodular cast iron according to UNI EN 1563
- ✓ Spheroidal cast iron impeller, designed with open-blade shape.
- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
- ✓ Standardised EN1092-1:2003 flanged inlet and outlet with built in threaded rod.
- ✓ Oil bath lubricated ball bearings.

VERSIONS

Code	RB1031B	RB1031A
PUMP		
RPM	1450	1450
P MAX (kW)	30	37
Q MAX (m ³ /h)	700	700
H MAX (m)	19	21
Ø Inlet/outlet (mm) Inlet / outlet	250 / 250	250 / 250
Ø Impeller (mm) - N. blades	275 - 2	300 - 2
Ø Seal (mm)	55	55
Free solids passage MAX size (mm)	85 x 85	85 x 85

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	200L - 1450 - 4	225S - 1450 - 4
Power (kW)	30	37
Priming time from 4 m depth (s)	75	65
Nominal Current (A)	57	70
Voltage (V) - Frequency (Hz)	400 - 50	400 - 50
Oversized electric motor for monobloc version	-	-
Protection	IP55	IP55

PUMP SET UP AVAILABLE

Possible coupling versions (total weight)		
S4: Bare shaft pump (kg)	520	520
S4 /T...: Complete pump assembly (kg)	1287	1300

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armoured volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.

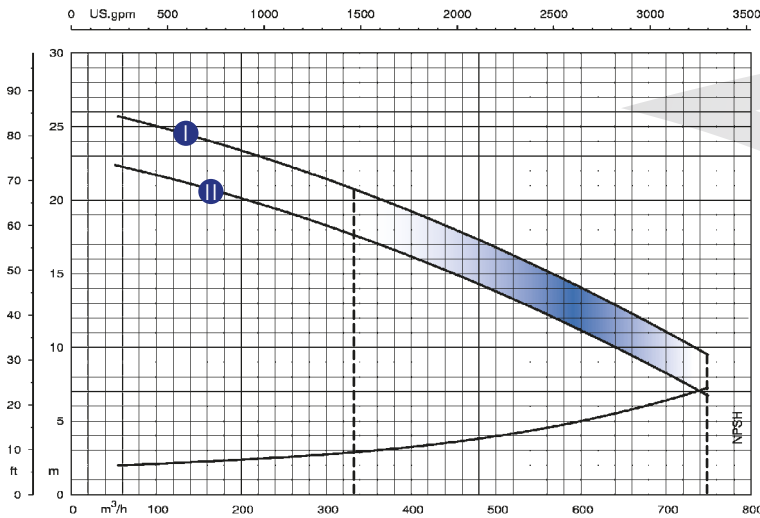


SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB1031



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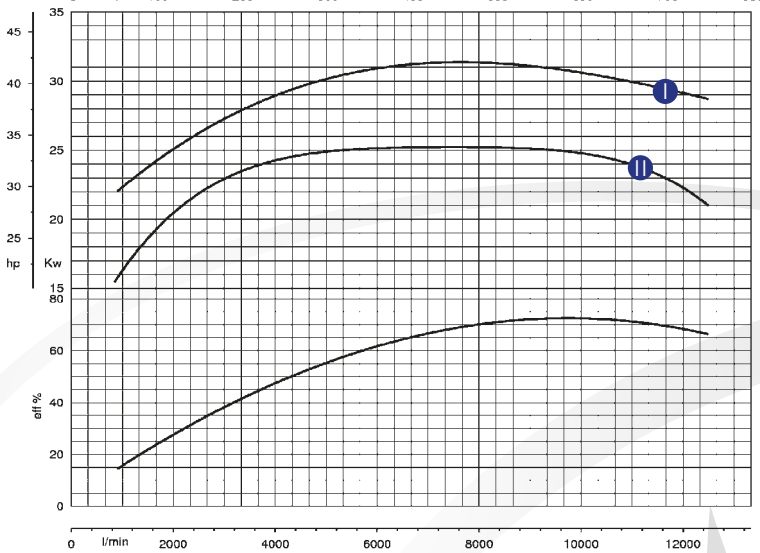


PUMP PERFORMANCE RANGE

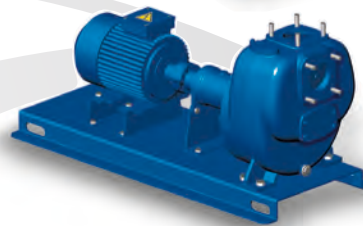
I RB1031A

II RB1031B

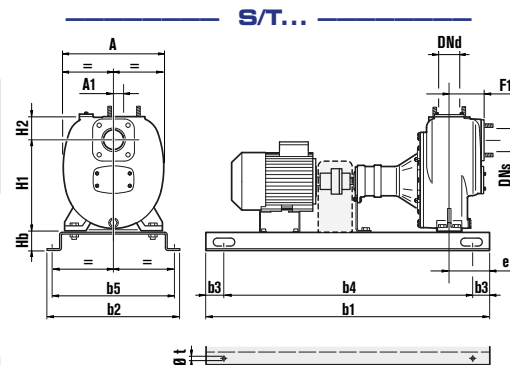
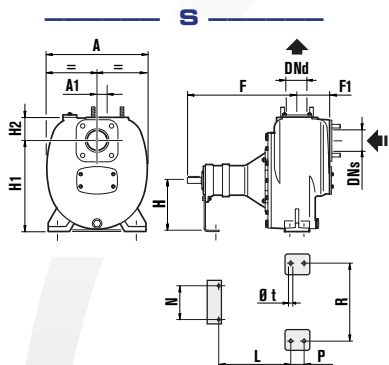
Performances are subjected to variations based on NPSH available.



S BARE SHAFT PUMP



S/T... BASE-FRAME AND COUPLING



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB1031A / B GS4	250	250	792	240							749	370	370	630	230	595	240		440	22	
RB1031AGS4/T374	250	250	792	240	1900	800	200	1500	750	225		370		630	230	140					20
RB1031BGS4/T304	250	250	792	240	1900	800	200	1500	750	225		370		630	230	140					20

All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.

SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB1240



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- ✓ Mechanical seal in high resistance hard metal.
- ✓ Large-size inspection hatches to facilitate cleaning and inspection.
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- ✓ Oil bath lubricated ball bearings.

VERSIONS

Code **RB1240A**

PUMP

RPM	960
P MAX (kW)	55
Q MAX (m ³ /h)	1200
H MAX (m)	15
Ø Inlet/outlet (mm) Inlet / outlet	300 / 300
Ø Impeller (mm) - N. blades	400 - 2
Ø Seal (mm)	55
Free solids passage MAX size (mm)	105 x 100

ELECTRIC SURFACE NORMALIZED MOTOR

IEC size - RPM - Poles	280M - 960 - 6
Power (kW)	55
Priming time from 4 m depth (s)	70
Nominal Current (A)	98
Voltage (V) - Frequency (Hz)	400 - 50
Oversized electric motor for monobloc version	-
Protection	IP55

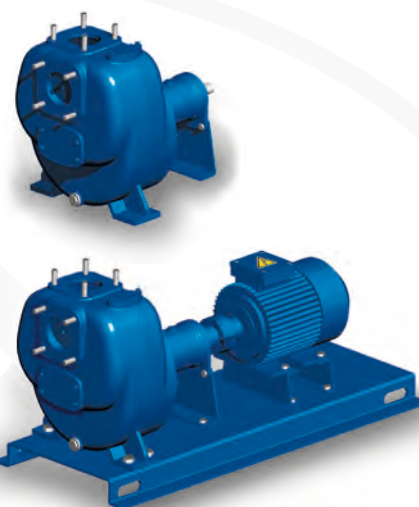
PUMP SET UP AVAILABLE

Possible coupling versions (total weight)	
S6: Bare shaft pump (kg)	920
S6 /T...: Complete pump assembly (kg)	1900

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armoured volute	Nodular cast iron GJS400
Impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

Special metallurgies available on demand.



SELF-PRIMING CENTRIFUGAL ELECTRIC PUMPS

RB1240

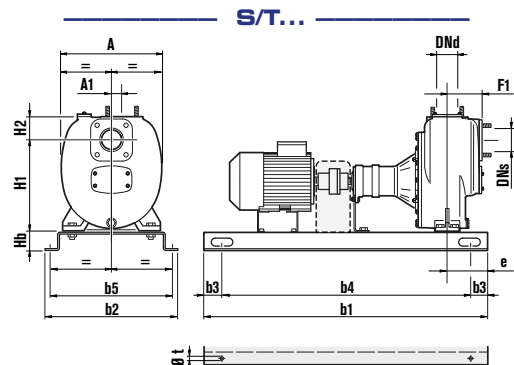
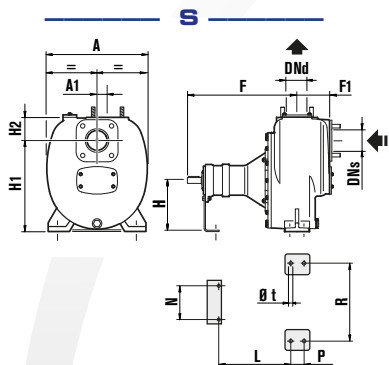
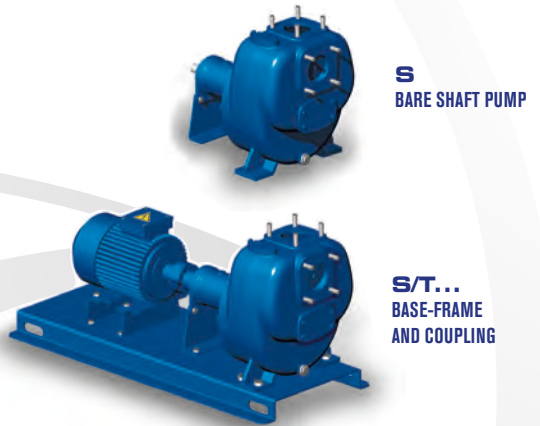
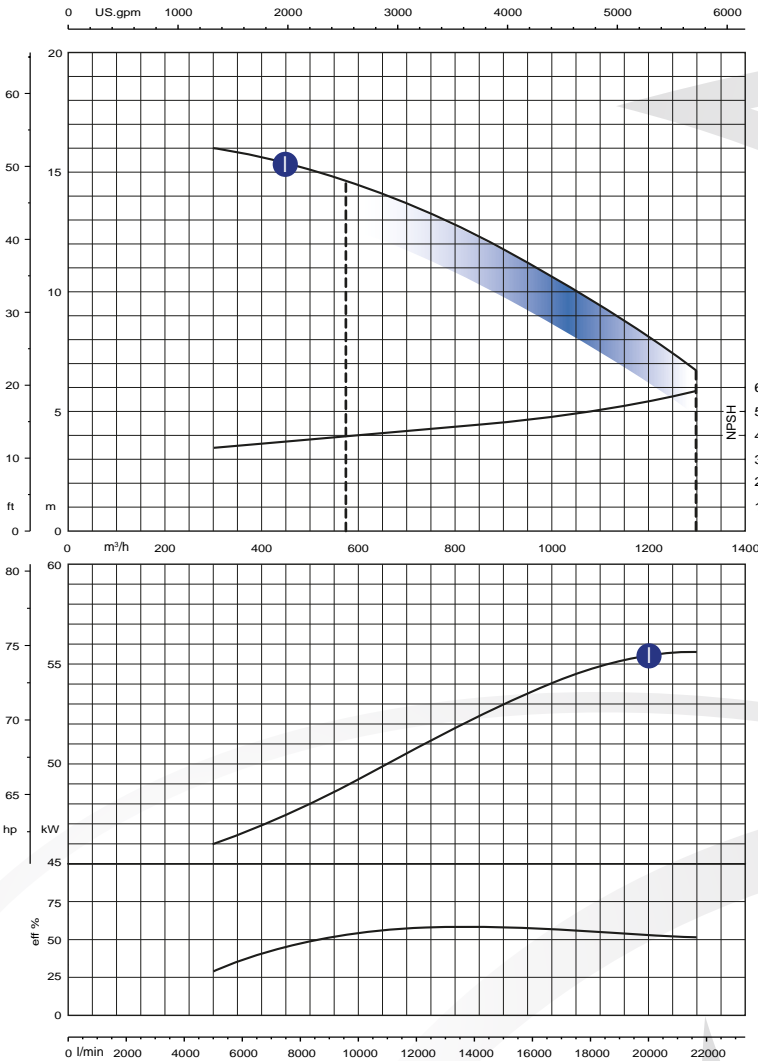


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PUMP PERFORMANCE RANGE

RB1240A

Performances are subjected to variations based on NPSH available.



DIMENSIONS mm	DNs	DNd	A	A1	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RB1240AGS6	300	300	1080	370							660	476	560	860	290	549	240		600	26	
RB1240AGS6/T556	300	300	1080	370	2300	1030	300	1700	970	450		476		860	290	220					22

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