

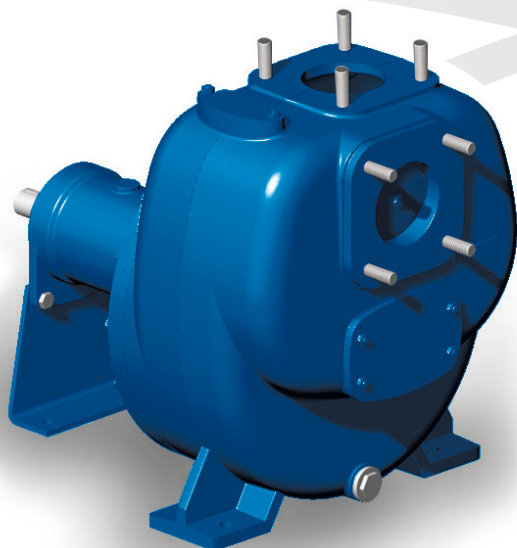
SELF PRIMING CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE AUTOADESCANTI

RB831

ROBUSTA
Hydraulic System

VIESSE
POMPE • ITALIA



The 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.



Le pompe centrifughe "Robusta" sono realizzate per le applicazioni più gravose e difficili nei settori: edilizia, emergenza e industria. La girante a pale aperte e doppia curvatura, unica al mondo, garantisce un'altissima capacità di adescamento senza necessità della valvola di fondo. Lo spessore del corpo e delle pale della girante permettono di pompare anche i fluidi più abrasivi con elevato passaggio di corpi solidi.

CARATTERISTICHE

- ✓ Costruzione in ghisa EN-JL1030 secondo UNI EN 1561 con corpo modulare.
- ✓ Voluta interna corazzata sostituibile senza viti, in ghisa sferoidale EN-JS1030 secondo UNI EN 1563.
- ✓ Girante sagomata a pale aperte in ghisa sferoidale.
- ✓ Tenuta meccanica ad alta resistenza.
- ✓ Portine di ispezione di grandi dimensioni per facilitarne la pulizia e l'ispezione.
- ✓ Bocche flangiate norm. EN1092-1:2003 con prigionieri.

VERSIONS - VERSIONI

Code - Codice	RB831B	RB831A	RB8310
PUMP - POMPA			
RPM - Giri/min	1450	1450	1450
P MAX (kW)	22	30	37
Q MAX (m³/h)	550	550	550
H MAX (m)	22	26	28
Ø Inlet/outlet - Ø Bocche asp./man. (mm)	200 / 200	200 / 200	200 / 200
Ø Impeller - Girante (mm) / N. blades - N. Pale	270 - 3	300 - 3	315 - 3
Ø Seal - Tenuta (mm)	55	55	55
Free solids passage - Passaggio solidi MAX (mm)	75 x 78	75 x 78	75 x 78

ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO

IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	180L - 1450 - 4	200L - 1450 - 4	225S - 1450 - 4
Voltage - Voltaggio (V) / Power - Potenza (kW)	400 - 22	400 - 30	400 - 37
Priming time from 4 m depth - Innescamento da 4 m (s)	55	50	45
Nominal Current - Corrente nominale (A)	40	57	70
Frequency - Frequenza (Hz)	50	50	50
Construction version/position - Flangia	B3 / B5	B3 / B5	B3 / B5
Protection - Protezione	IP55	IP55	IP55

PUMP SET UP AVAILABLE - ALLESTIMENTO POMPE

Possible coupling versions (total weight) - Accoppiamento (peso Tot.)			
S4: Bare shaft pump - Albero nudo (kg)	354	354	350
S4/T...: Complete pump assembly - Base-Giunto (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

MATERIALI STANDARD

Corpo	Ghisa GJL250
Voluta	Ghisa sferoidale GJS400
Girante	Ghisa sferoid. GJS400
Tenuta mecc.	Carburo di silicio / Viton®
Albero	Acciaio C40
Elastomeri	Nitrile

Altre versioni disponibili su richiesta.

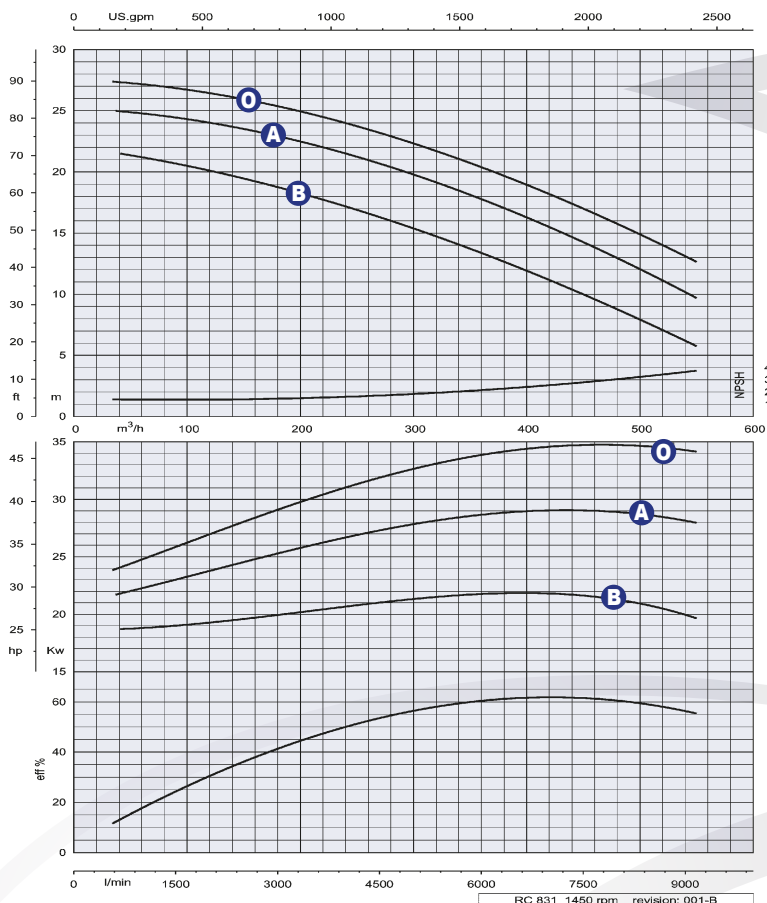
SELF PRIMING CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE AUTOADESCANTI

RB831

ROBUSTA
Hydraulic System

VIESSE
POMPE • ITALIA



PUMP PERFORMANCE RANGE - DIAGRAMMI PRESTAZIONALI

A RB831A

B RB831B

O RB831O

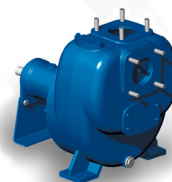
Performance Tests have been carried out according to UNI/ISO 9906 - Grade 2B.

Tested liquid: clean water, density 1 kg/dm³ and kinematic viscosity not exceeding 1 mm²/s.

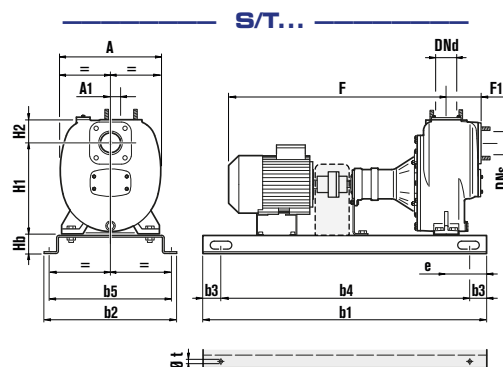
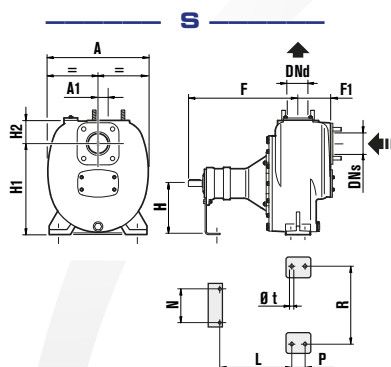
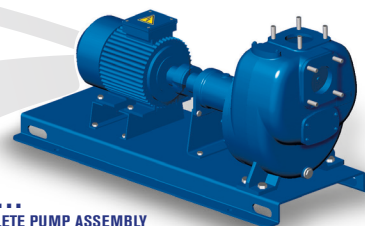
Test eseguiti secondo la norma UNI EN ISO 9906 - Livello 2B.

Liquido di prova: acqua pulita, densità 1 kg/dm³ e viscosità non oltre 1 mm²/s.

S
BARESHAF
ALBERO NUDO



S/T...
COMPLETE PUMP ASSEMBLY
BASE-GIUNTO



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
RB831AGS/T304	200	200	690	137	1900	800	200	1300	750	120	749	255		550	180	55					20
RB831BGS/T224	200	200	690	137	1900	800	200	1300	750	120	749	255		550	180	55					20
RB831OGS/T374	200	200	690	137	1900	800	200	1300	750	120	749	255		550	180	55					20

Dimensions are indicative and shall not be considered binding - Dimensioni indicative e non vincolanti

10.2018 - Rev. 00