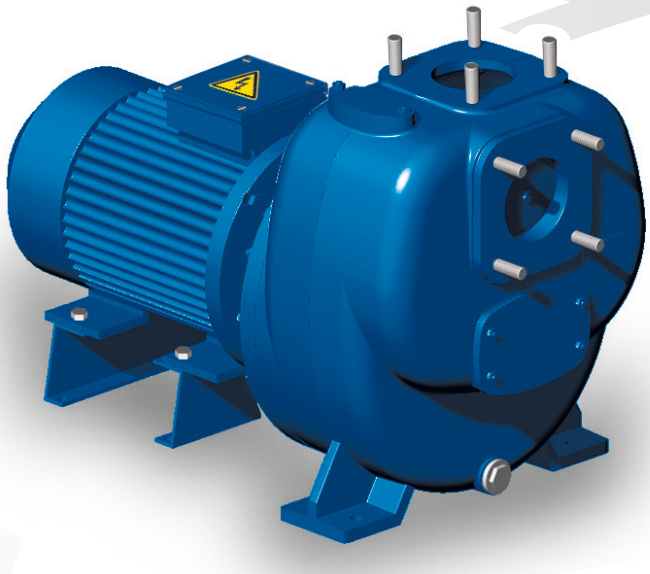
SELF PRIMING CENTRIFUGAL ELECTRIC PUMPS
ELETTROPOMPE CENTRIFUGHE AUTOADESCANTI

RB216

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	**RB216B**	**RB216A**
PUMP - POMPA		
RPM - Giri/min	2900	2900
P MAX (kW)	3	4
Q MAX (m^3/h)	45	45
H MAX (m)	24	30
Ø Inlet/outlet - Ø Bocche asp./man. **(mm)**	50 / 50	50 / 50
Ø Impeller - Girante **(mm) / N. blades** - N. Pale	140 / 3	158 / 3
Ø Seal - Tenuta **(mm)**	25	25
Free solids passage - Passaggio solidi **MAX (mm)**	25 x 22	25 x 22
ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO		
IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	100L / 2900 / 2	112M / 2900 / 2
Voltage - Voltaggio **(V) / Power** - Potenza **(kW)**	400 / 3	400 / 4
Priming time from 4 m depth - Innescamento da 4 m **(s)**	110	90
Nominal Current - Corrente nominale **(A)**	5.1	8.1
Frequency - Frequenza **(Hz)**	50	50
Construction version/position - Flangia	B3 / B5	B3 / B5
Protection - Protezione	IP55	IP55
PUMP SET UP AVAILABLE - ALLESTIMENTO POMPE		
Possible coupling versions (total weight) - Accoppiamento (peso Tot.)		
T: Monobloc - Monoblocco **(kg)**	55	58
S: Bare shaft pump - Albero nudo **(kg)**	31	31
S/T...: Complete pump assembly - Base-Giunto **(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

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.

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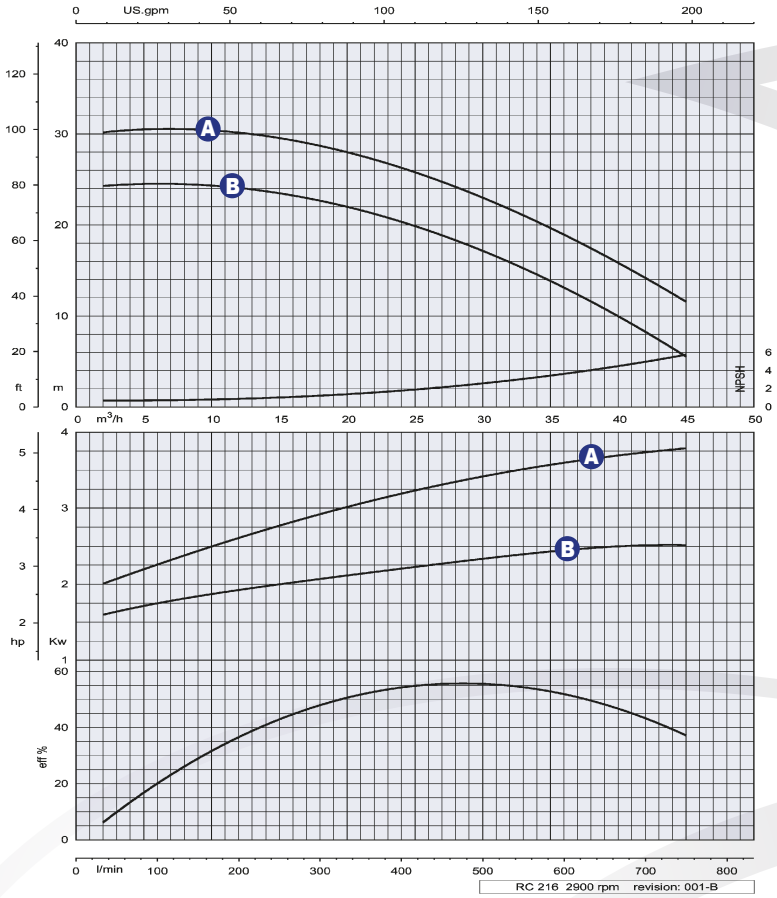


PUMP PERFORMACE RANGE - DIAGRAMMI PRESTAZIONALI

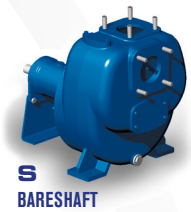
A RB216A

B RB216B

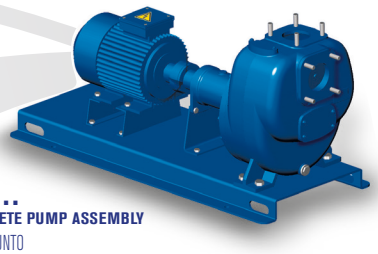
Performance Tests have been carried out according to UNI/ISO 9906 - Grade 2B.
Tested liquid: clean water, density 1 kg/dm³ and kinematic viscosity not exceeding 1 mm²/s.

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.

T
MONOBLOC
MONOBLOCCO

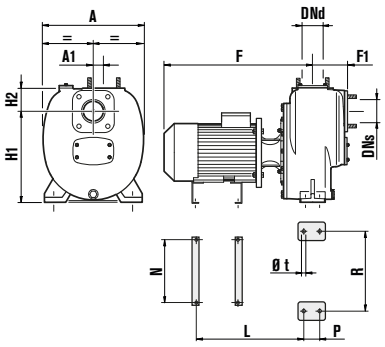


S
BARESHAFT
ALBERO NUDO

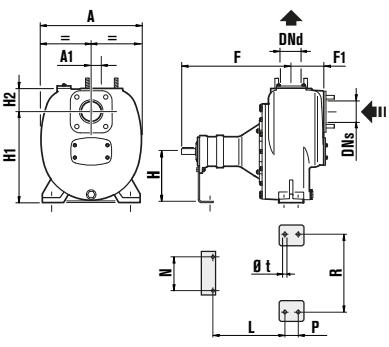


S/T...
COMPLETE PUMP ASSEMBLY
BASE-GIUNTO

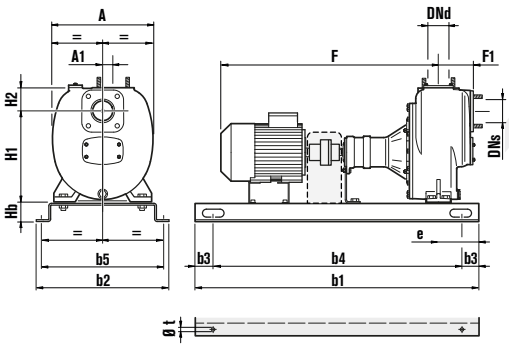
T



S



S/T...



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	339	103		265	78	60					17
RB216BGS/T32	65	50	287	55	800	360	130	540	320	70	339	103		265	78	60					17

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

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