

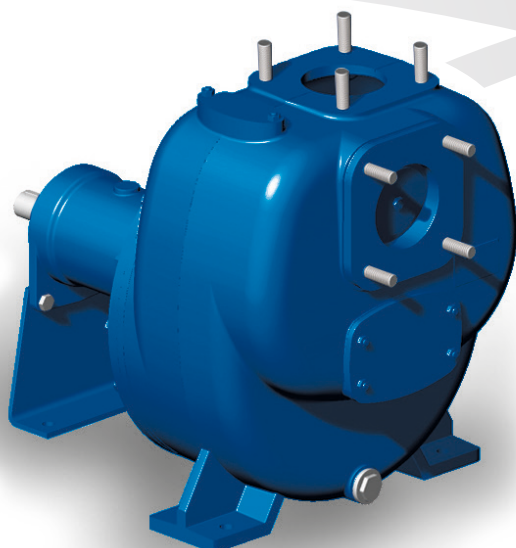
SELF PRIMING CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE AUTOADESCANTI

RB425

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 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	RB425B	RB425A	RB4250
PUMP - POMPA			
RPM - Giri/min	2900	2900	2900
P MAX (kW)	22	30	37
Q MAX (m³/h)	180	180	180
H MAX (m)	53	62	66
Ø Inlet/outlet - Ø Bocche asp./man. (mm)	100 / 100	100 / 100	100 / 100
Ø Impeller - Girante (mm) / N. blades - N. Pale	220 - 3	240 - 3	250 - 3
Ø Seal - Tenuta (mm)	45	45	45
Free solids passage - Passaggio solidi MAX (mm)	50 x 24	50 x 24	50 x 24

ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO

IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	180M - 2900 - 2	200L - 2900 - 2	200L - 2900 - 2
Voltage - Voltaggio (V) / Power - Potenza (kW)	400 - 22	400 - 30	400 - 37
Priming time from 4 m depth - Innescamento da 4 m (s)	45	40	43
Nominal Current - Corrente nominale (A)	41	55	67
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.)			
S: Bare shaft pump - Albero nudo (kg)	362	414	440
S/T...: Complete pump assembly - Base-Giunto (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

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.

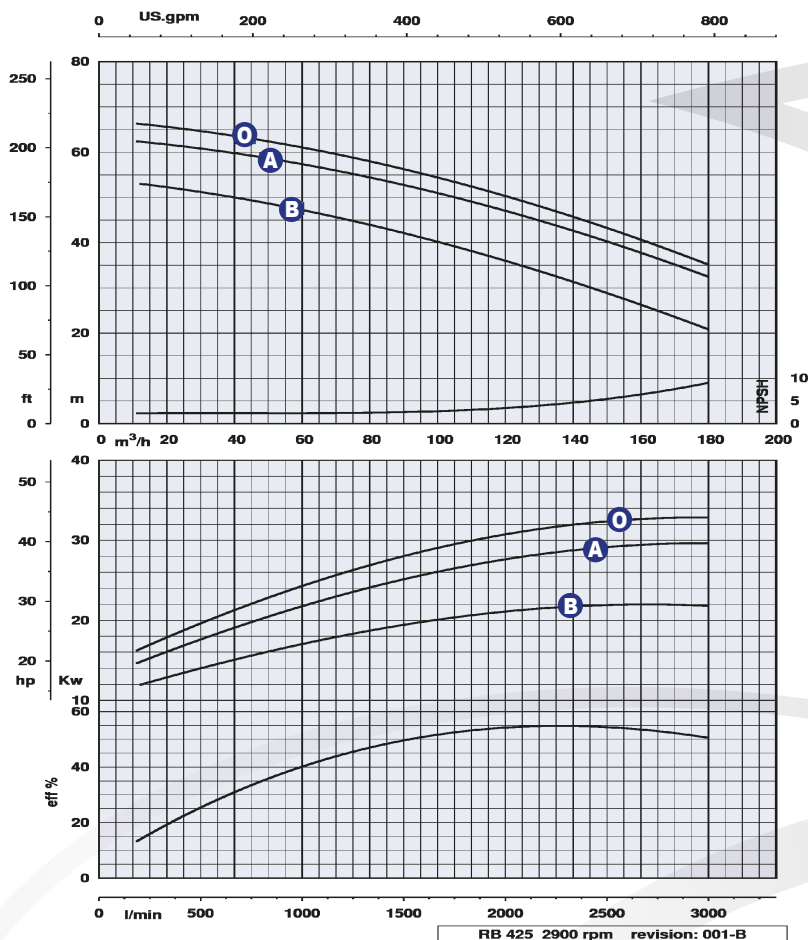
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PUMP PERFORMANCE RANGE - DIAGRAMMI PRESTAZIONALI

A RB425A

B RB425B

O RB425O

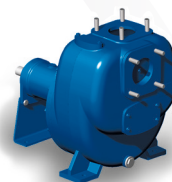
Performance Tests have been carried out according to UNI/ISO 9906 - Grade 2B.

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

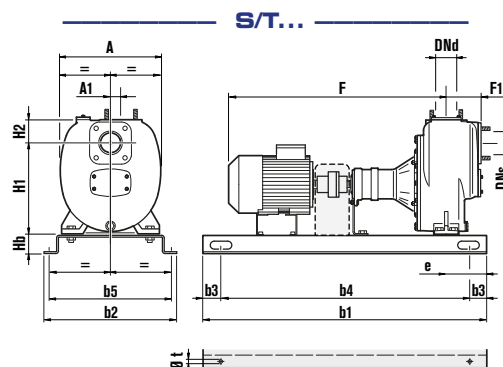
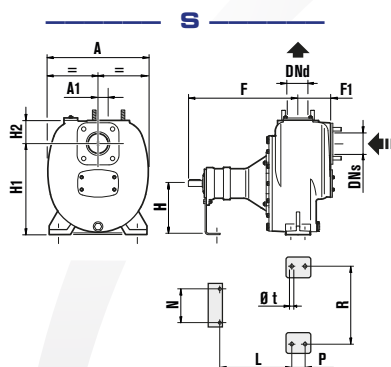
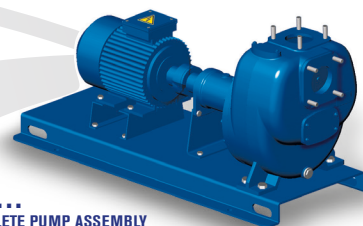
Test eseguiti secondo la norma UNI EN ISO 9906 - Livello 2B.

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
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	562	153		400	102	80					20
RB425BGS/T222	100	100	442	46	1250	540	205	840	490	100	562	153		400	102	80					20
RB425OGS/T372	100	100	442	46	1250	540	205	840	490	100	562	153		400	102	80					20

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

10.2018 - Rev. 00