

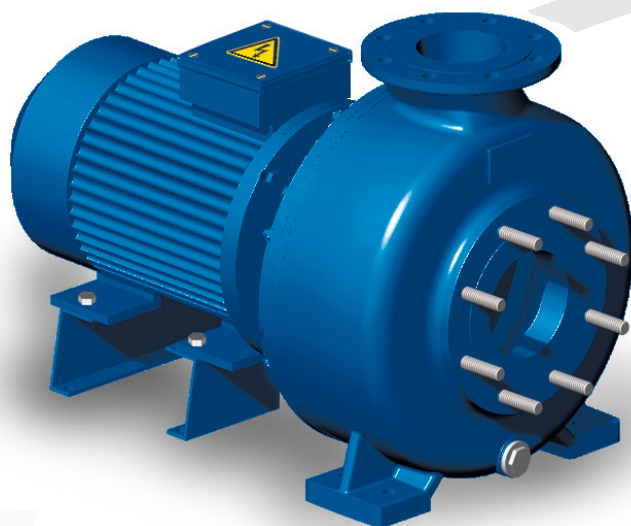
CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE

RC220

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. 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.
- ✓ 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. 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.
- ✓ Bocche flangiate norm. EN1092-1:2003 con prigionieri.

VERSIONS - VERSIONI

Code - Codice	RC220B	RC220A
PUMP - POMPA		
RPM - Giri/min	2900	2900
P MAX (kW)	5.5	7.5
Q MAX (m³/h)	50	50
H MAX (m)	36	46
Ø Inlet/outlet - Ø Bocche asp./man. (mm)	65 / 50	65 / 50
Ø Impeller - Girante (mm) / N. blades - N. Pale	175 - 2	196 - 2
Ø Seal - Tenuta (mm)	32	32
Free solids passage - Passaggio solidi MAX (mm)	40 x 30	40 x 30

ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO

IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	132S - 2900 - 2	132S - 2900 - 2
Voltage - Voltaggio (V)	400	400
Power - Potenza (kW)	5.5	7.5
Nominal Current - Corrente nominale (A)	10.5	14.3
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)	79	84
S: Bare shaft pump - Albero nudo (kg)	59	59
S/T...: Complete pump assembly - Base-Giunto (kg)	136	141

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.

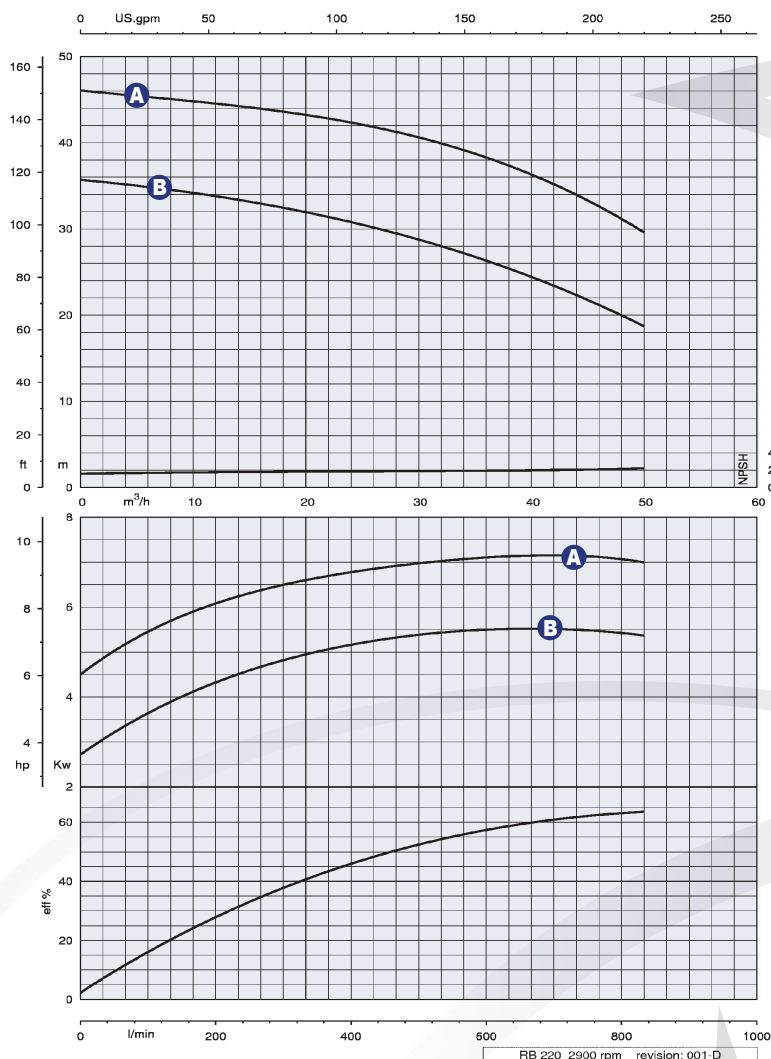
CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE

RC220

ROBUSTA
Hydraulic System

VIESSE
POMPE • ITALIA



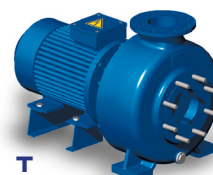
PUMP PERFORMANCE RANGE - DIAGRAMMI PRESTAZIONALI

A RC220A

B RC220B

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.

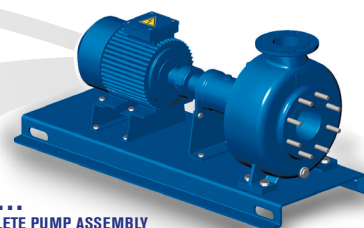
Test eseguiti secondo la norma UNI EN ISO 9906 - Livello 2B.
Liquido di prova: acqua pulita, densità 1 kg/dm³ e viscosità non oltre 1 mm²/s.



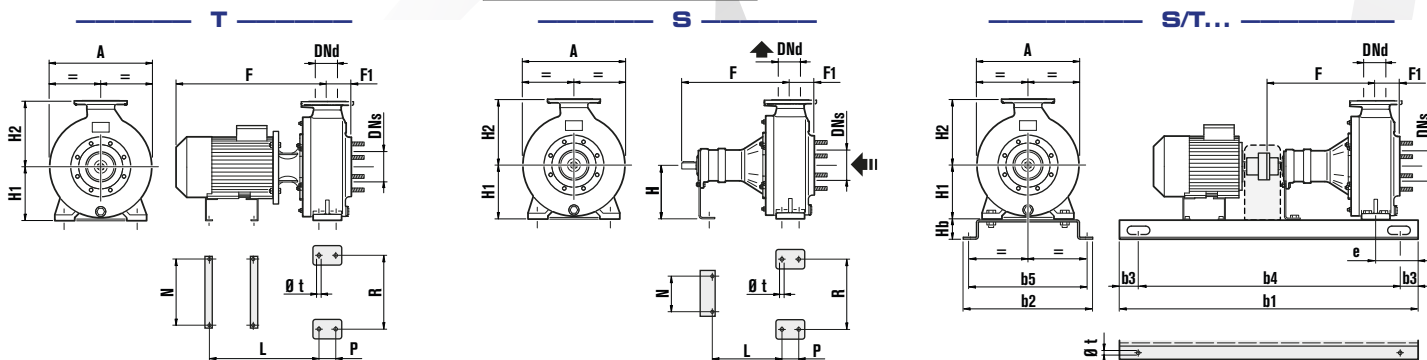
T
MONOBLOC
MONOBLOCCO



S
BARESHAFT
ALBERO NUDO



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



DIMENSIONS mm	DNs	DNd	A	b1	b2	b3	b4	b5	e	F	F1	H	H1	H2	Hb	L	N	P	R	Ø t
RC220A / B GT	65	50	315							582	67		160	194		265	216	70	200	14
RC220A / B GS	65	50	315							455	67	160	160	194		303	152	70	200	14
RC220AGS/T72	65	50	315	1000	450	170	660	400	60	455	67		160	194	80					17
RC220BGS/T52	65	50	315	1000	450	170	660	400	60	455	67		160	194	80					17

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

10.2018 - Rev.00