

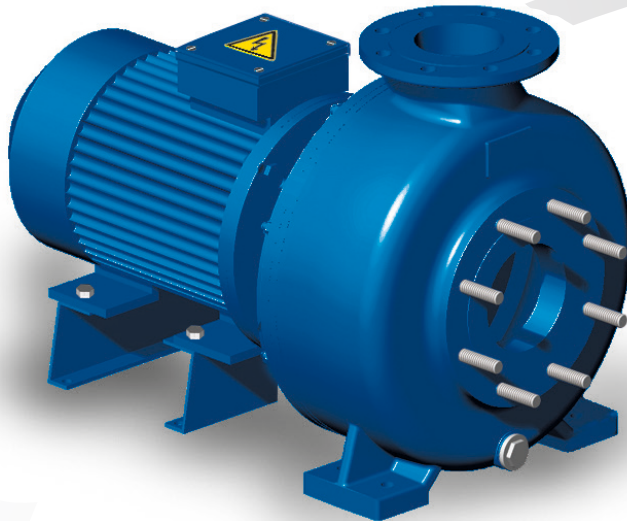
CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE

RC320

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	RC320B	RC320A	RC3200
PUMP - POMPA			
RPM - Giri/min	2900	2900	2900
P MAX (kW)	7.5	9	11
Q MAX (m³/h)	120	120	120
H MAX (m)	25	32	36
Ø Inlet/outlet - Ø Bocche asp./man. (mm)	100 / 80	100 / 80	100 / 80
Ø Impeller - Girante (mm) / N. blades - N. Pale	162 - 3	178 - 3	188 - 3
Ø Seal - Tenuta (mm)	32	32	32
Free solids passage - Passaggio solidi MAX (mm)	40 x 35	40 x 35	40 x 35

ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO

IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	132S - 2900 - 2	132M - 2900 - 2	160M* - 2900 - 2
Voltage - Voltaggio (V)	400	400	400
Power - Potenza (kW)	7.5	9	11
Nominal Current - Corrente nominale (A)	14.3	18	21.9
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.)			
T: Monobloc - Monoblocco (kg)	95	100	110
S: Bare shaft pump - Albero nudo (kg)	75	75	75
S/T...: Complete pump assembly - Base-Giunto (kg)	155	160	217

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.

* For monobloc RC3200GT version, motor casing is in special size 132 - Per versione monoblocco RC3200GT motore in cassa ridotta 132

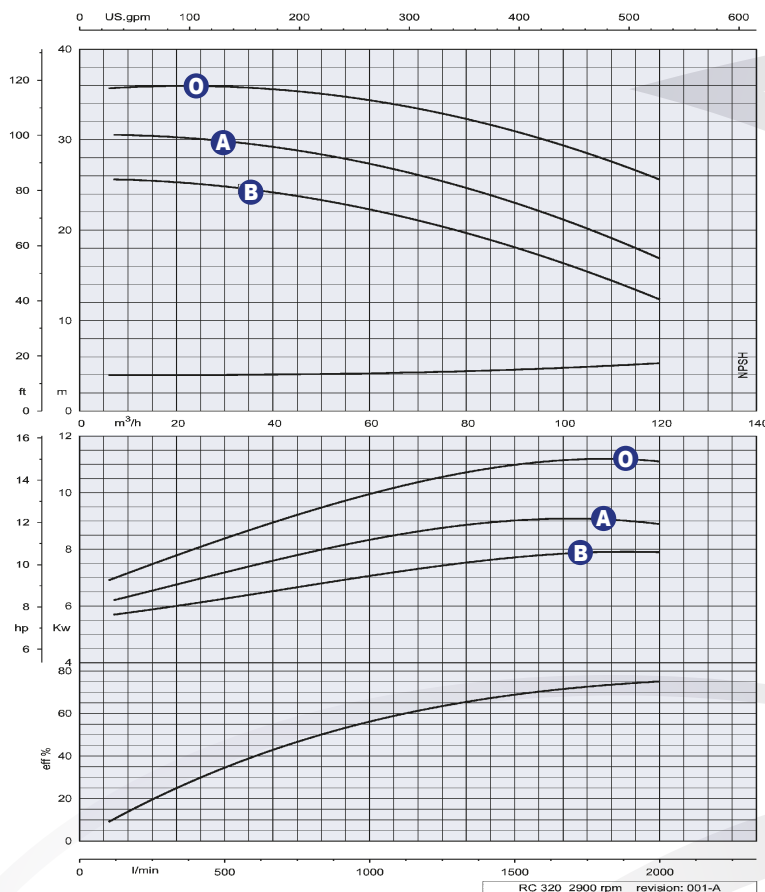
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PUMP PERFORMANCE RANGE - DIAGRAMMI PRESTAZIONALI

A RC320A

B RC320B

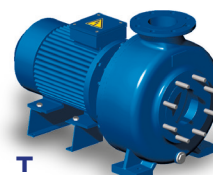
O RC320O

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.

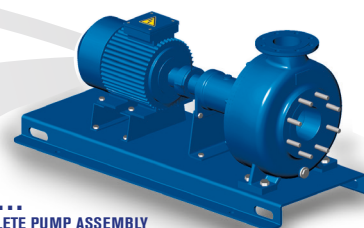
Liquido di prova: acqua pulita, densità 1 kg/dm³ e viscosità non oltre 1 mm²/s.



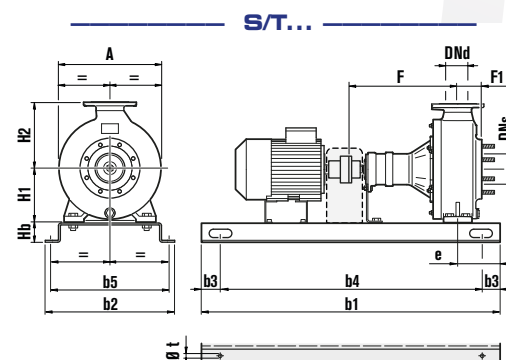
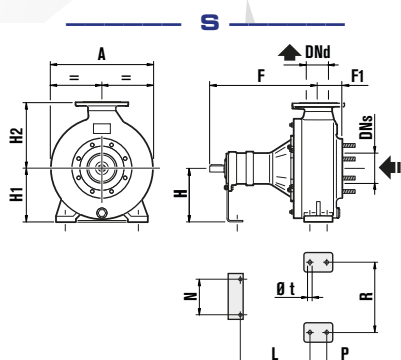
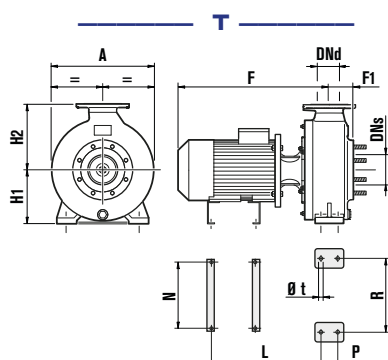
T
MONOBLOC
MONOBLOCCO



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
RC320AGT	100	80	351							570	92		180	252		223	216	112	280	14
RC320BGT	100	80	351							570	92		180	252		223	216	112	280	14
RC320OGT	100	80	351							635	92		180	252		223	216	112	280	14
RC320A / B / O GS	100	80	351							443	92	180	180	252		261	152	112	280	14
RC320AGS/T92	100	80	351	1000	450	170	660	400	75	347	92		180	252	80					18
RC320BGS/T72	100	80	351	1000	450	170	660	400	75	347	92		180	252	80					18
RC320OGS/T112	100	80	351	1000	450	170	660	400	75	347	92		180	252	80					18

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

10.2018 - Rev.00