

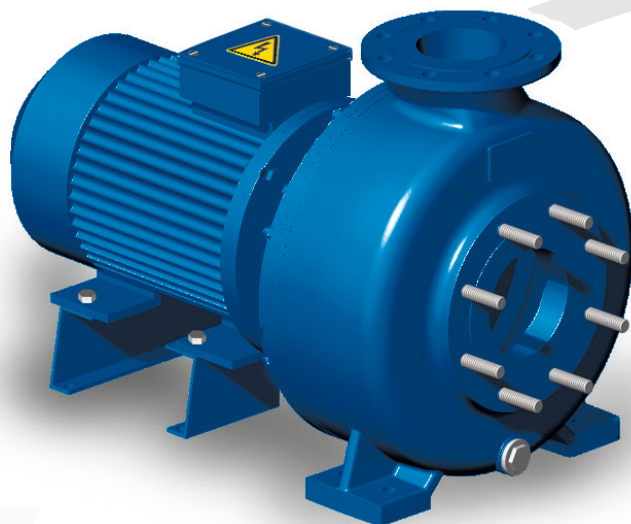
CENTRIFUGAL ELECTRIC PUMPS

ELETTROPOMPE CENTRIFUGHE

RC325

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	RC325B	RC325A	RC3250
PUMP - POMPA			
RPM - Giri/min	2900	2900	2900
P MAX (kW)	15	18.5	22
Q MAX (m³/h)	120	120	120
H MAX (m)	43	51	56
Ø Inlet/outlet - Ø Bocche asp./man. (mm)	100 / 80	100 / 80	100 / 80
Ø Impeller - Girante (mm) / N. blades - N. Pale	216 - 3	230 - 3	246 - 3
Ø Seal - Tenuta (mm)	45	45	45
Free solids passage - Passaggio solidi MAX (mm)	30 x 15	30 x 15	30 x 15

ELECTRIC SURFACE NORMAL. MOTOR - MOTORE ELETTRICO NORMALIZZATO

IEC size / RPM / Poles - Grandezza IEC / Giri/min / N. Poli	160M - 2900 - 2	160L - 2900 - 2	180M - 2900 - 2
Voltage - Voltaggio (V)	400	400	400
Power - Potenza (kW)	15	18.5	22
Nominal Current - Corrente nominale (A)	28.1	35	41
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)	109		
S: Bare shaft pump - Albero nudo (kg)	126	126	126
S/T...: Complete pump assembly - Base-Giunto (kg)	227	242	272

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

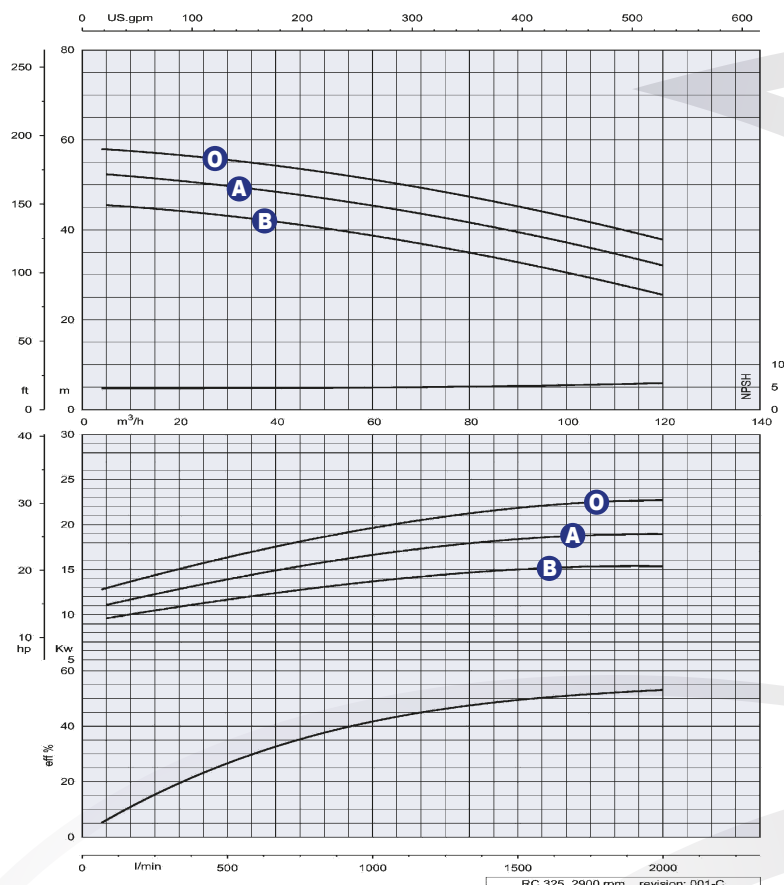
Altre versioni disponibili su richiesta.

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PUMP PERFORMANCE RANGE - DIAGRAMMI PRESTAZIONALI

A RC325A

B RC325B

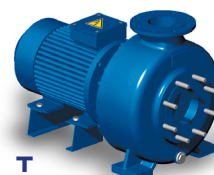
O RC325O

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.

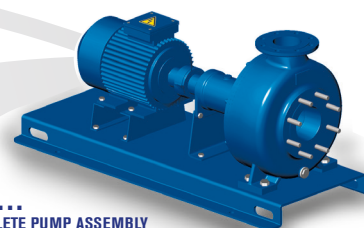
Liquido di prova: acqua pulita, densità 1 kg/dm³ e viscosità non oltre 1 mm²/s.



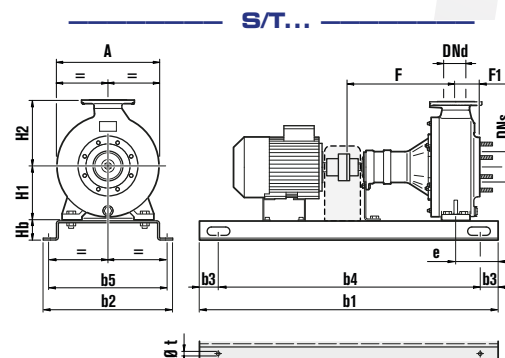
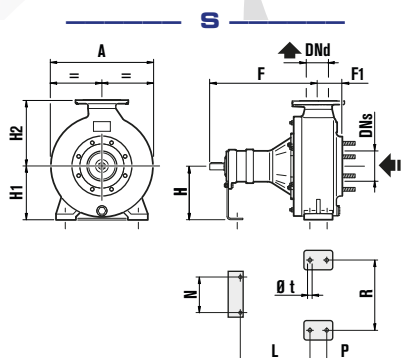
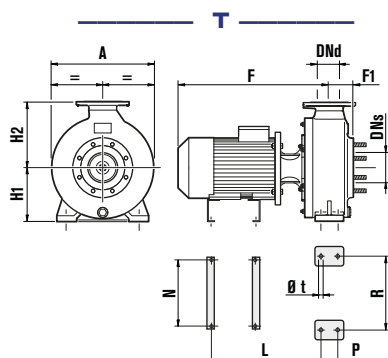
T
MONOBLOC
MONOBLOCCO



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
RC325BGT	100	80	437							535	94		225	280		220	190	112	315	14
RC325A / B / O GS	100	80	437							532	96	225	225	282		317	202	113	320	14
RC325AGS/T182	100	80	437	1250	540	205	840	490	100	437	94		225	280	80					20
RC325BGS/T152	100	80	437	1250	540	205	840	490	100	437	94		225	280	80					20
RC325OGS/T222	100	80	437	1250	540	205	840	490	100	437	94		225	280	80					20

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

10.2018 - Rev 00