

SELF PRIMING ENGINE DRIVEN PUMPS

RB416



POMPE • ITALIA



The self priming 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.
- ✓ 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.
- ✓ Rapid self-priming up to 8 meters in vertical position.

VERSIONS

Code	RB416BGKD07+TE	RB416AGLD42+TE
PUMP		
RPM	3000	2900
P MAX pump (kW)	9.6	11
Q MAX (m³/h)	170	180
H MAX (m)	25	27
Ø Inlet/outlet DN (mm - ")	100 (4")	100 (4")
Ø Impeller (mm)	148	160
Free solids passage MAX size (mm)	50 x 30	50 x 30

ENGINE

Model	Kohler KDW 702	Lombardini 25LD425-2
N. cylinders	2	2
Displacement (cc)	686	851
Motor power - MAX (kW)	11.6	14
Cooling	Water	Air
Fuel	Diesel	Diesel
Starting system	Electric *	Electric *
Emissions standard	Stage V	N.E.

PUMP SET UP AVAILABLE

Coupling versions	Direct / Monobloc	Direct / Monobloc
Tank capacity (L)	15	4
Total weight version +T (kg) **	225	205
Base frame (+B) / Simple trailer (+T)	✓ / ✓	✓ / ✓
Base tank (+BT) / Tank trailer (+TT)	-	-

* Version with electric start available on base frame (+BE)

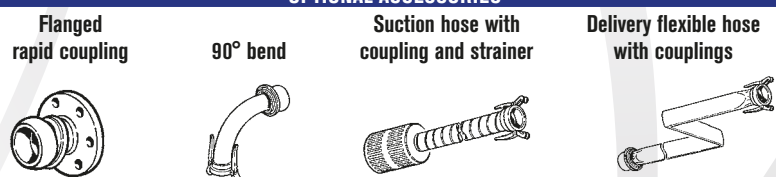
** Empty tank.

STANDARD MATERIAL OF CONSTRUCTION

Pump body	Cast Iron GJL250
Armoured volute	Nodular cast iron GJS400
Open-blade impeller	Nodular cast iron GJS400
Mechanical Seal	Silicon Carbide / Viton®
Shaft	Steel C40
Elastomers	Nitrile

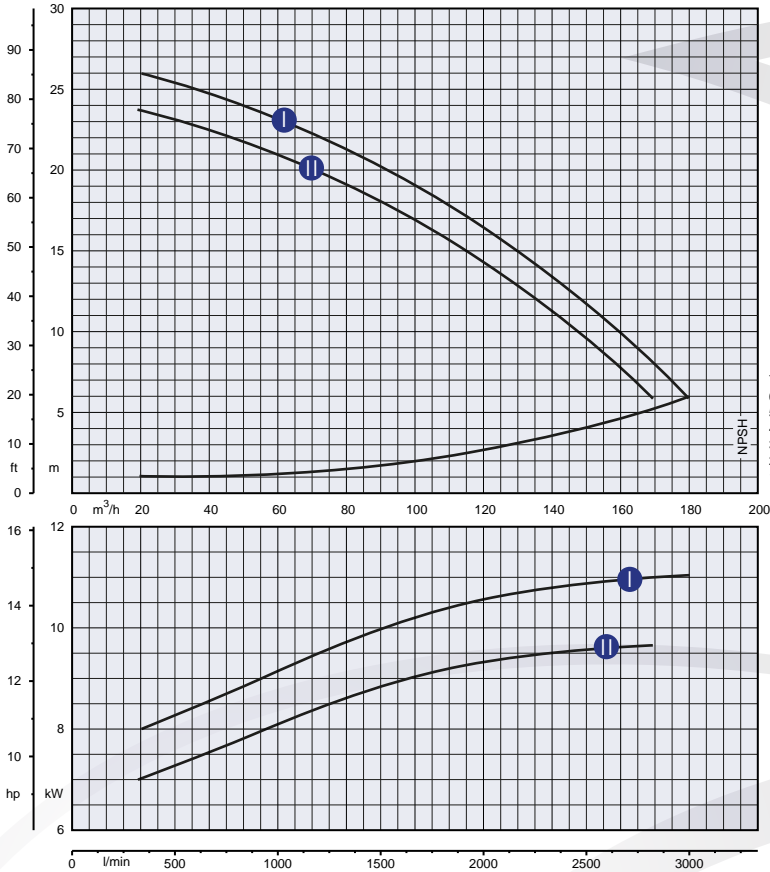
Special metallurgies available on demand.

OPTIONAL ACCESSORIES



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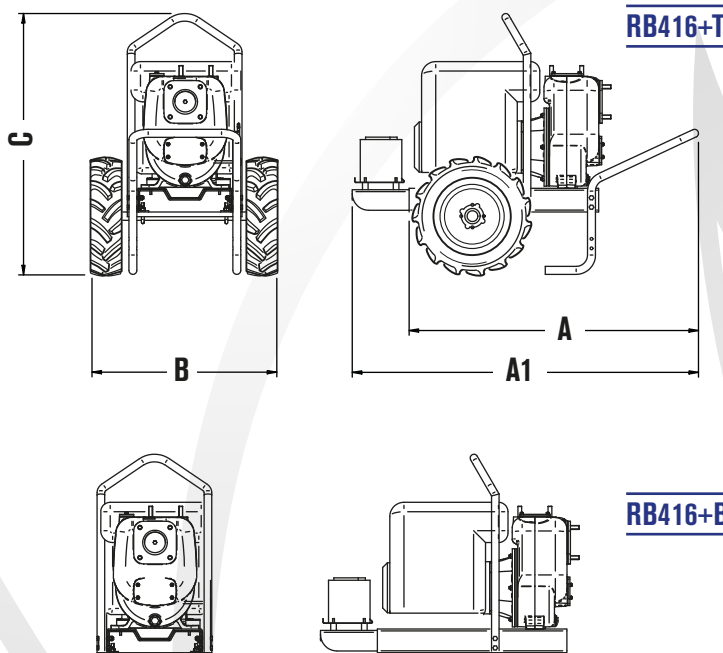
RB416



PUMP PERFORMANCE RANGE

- I **RB416AGLD42+TE**
- II **RB416BGKD07+TE**

Performances are subjected to variations based on NPSH available.



DIMENSIONS mm

	A	A1	B	C
Version +T	1430	-	820	1100

All dimensions and data a.m. reported are indicative, not binding and subjected to modifications without notice.