

RBSC 1 - 1.5 HP Series

Self-priming Centrifugal Pumps

-  Clean water
-  Domestic use
-  Civil use



PERFORMANCE RANGE

- Flow rate up to **70 l/min** (4.2 m³/h)
- Head up to **58 m**

APPLICATION LIMITS

- Manometric suction lift up to **9 m** (HS)
- Liquid temperature between **-10 °C** and **+40 °C**
- Ambient temperature up to **+40 °C**
- Max. working pressure **6 bar**
- Continuous service **S1**

INSTALLATION AND USE

Rain Bird Self-priming Centrifugal (RBSC) pumps are designed for use with clean water and liquids that are not chemically aggressive. They're also designed to pump water in cases where air is present. RBSC pumps are reliable and easy to use and therefore recommended for use in domestic, commercial, and industrial applications. RBSC pumps should be installed in an enclosed environment or sheltered from inclement weather.

WARRANTY

3 years subject to terms and conditions.

CONSTRUCTION AND SAFETY STANDARDS

EN 60335-1
IEC 60335-1
CEI 61-150

EN 60034-1
IEC 60034-1
CEI 2-3



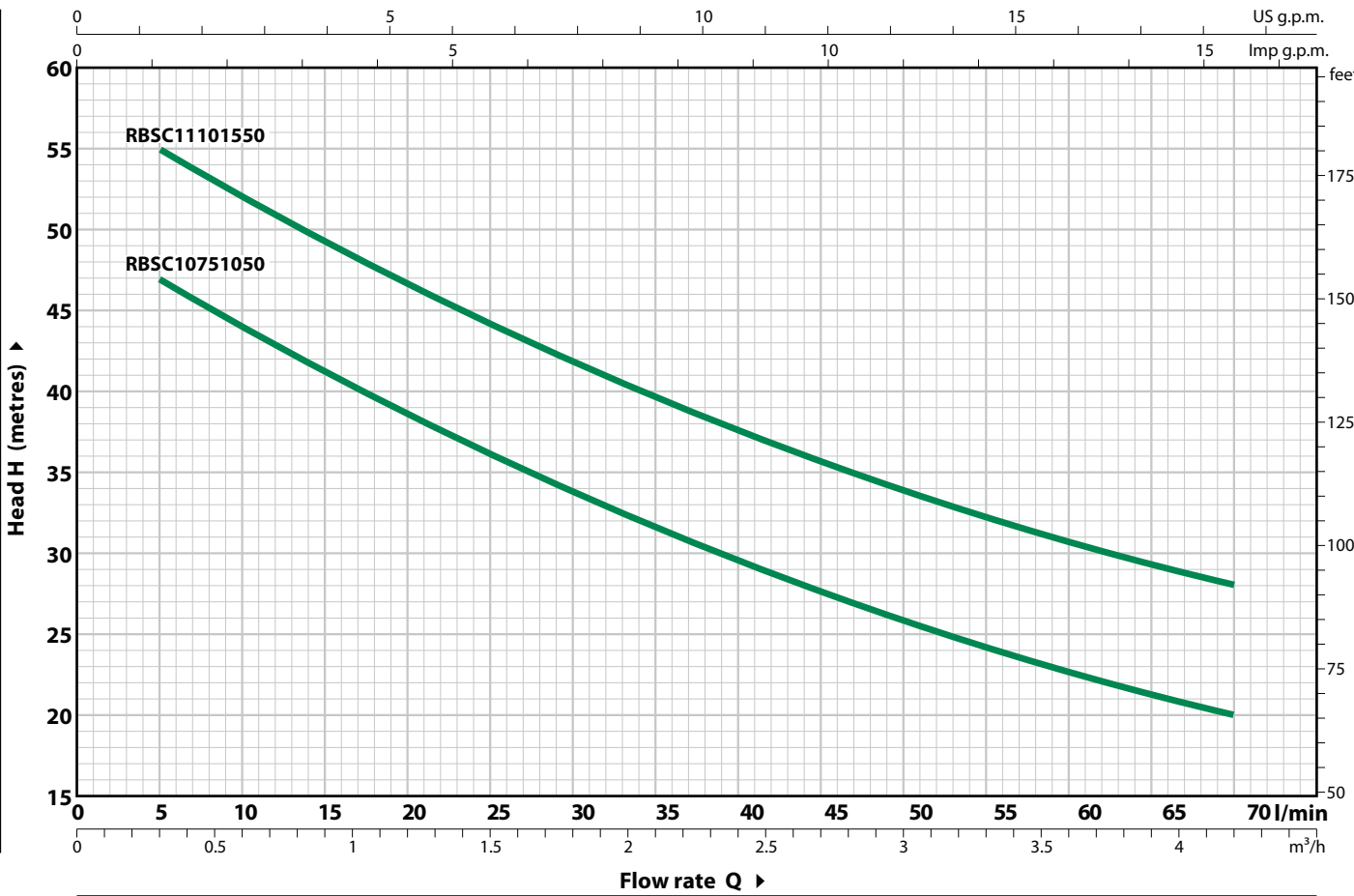
CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT



CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm HS= 0 m

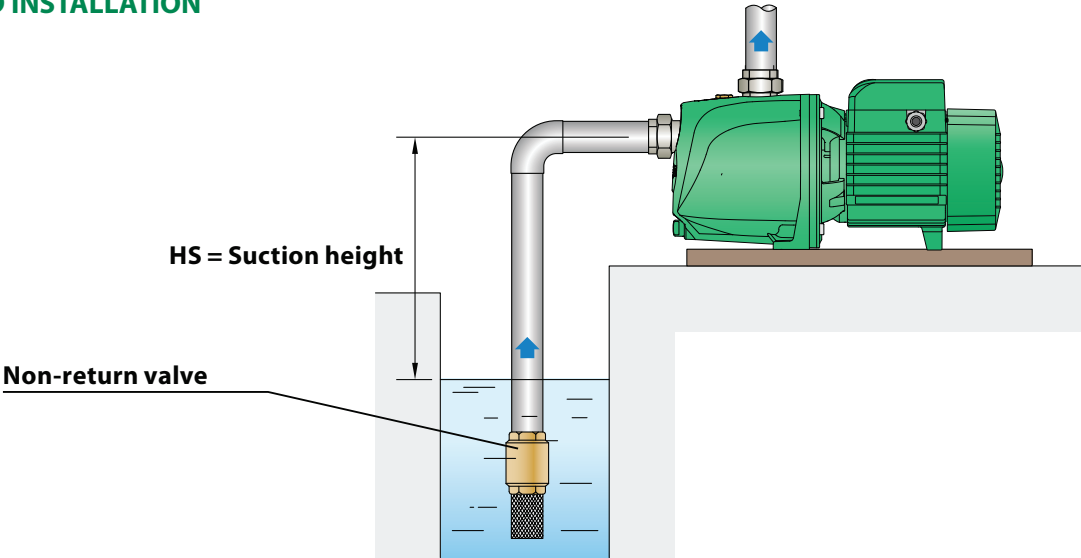


MODEL Single-phase	POWER (P ₂)		Q	0	0.3	0.6	1.2	1.5	1.8	2.4	2.7	3.0	3.6	4.2
	kW	HP		0	5	10	20	25	30	40	45	50	60	70
RBSC10751050	0.75	1	H metres	50	47	44	38.5	36	34	29.5	27.5	26	22.5	20
RBSC11101550	1.1	1.5		58	55	52	46.5	44	42	37.5	35.5	34	31	28

Q = Flow rate H = Total manometric head HS = Suction height

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

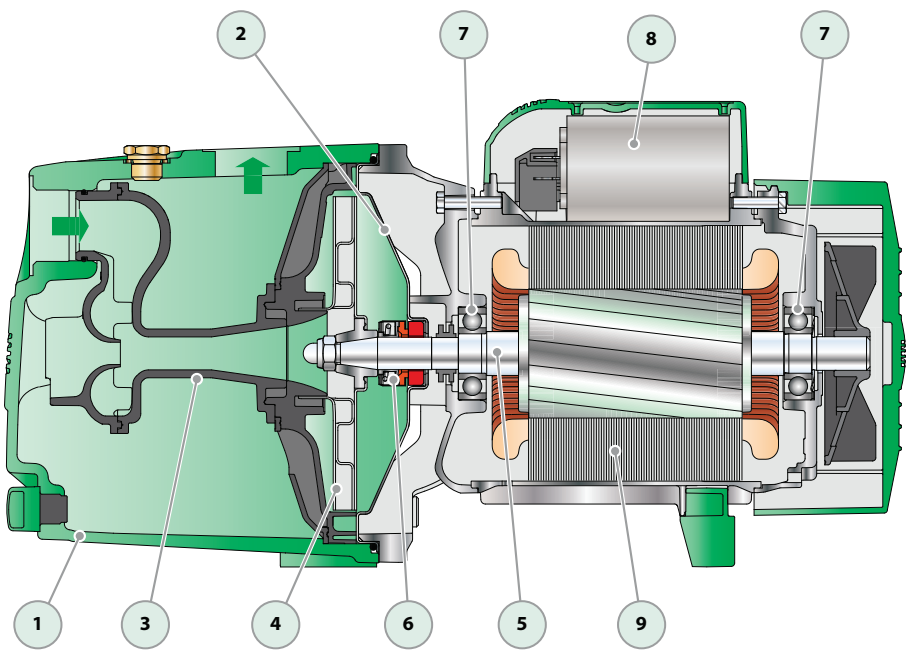
STANDARD INSTALLATION



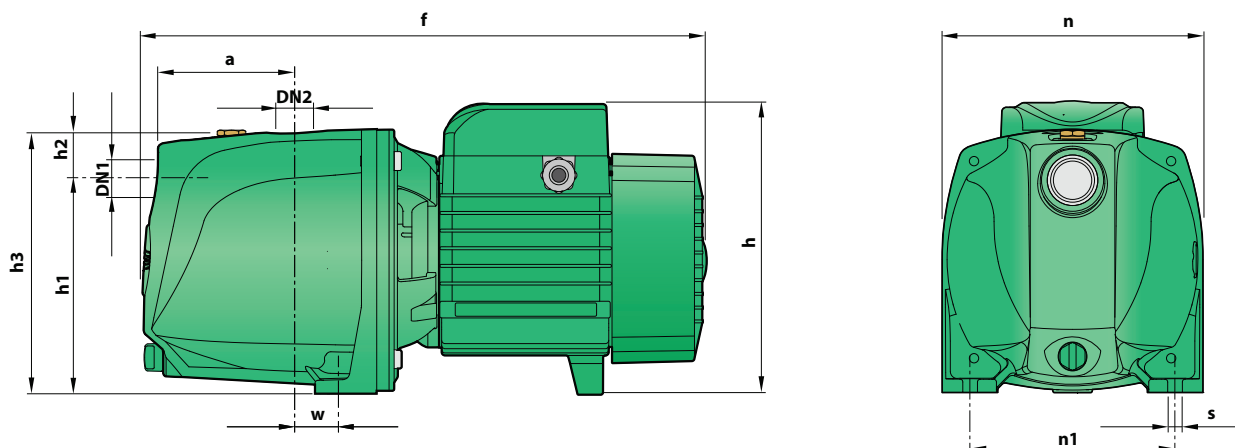
POS. COMPONENT

CONSTRUCTION CHARACTERISTICS

1	PUMP BODY	Cast iron, complete with threaded ports in compliance with ISO 228/1		
2	BODY BACKPLATE	Stainless steel AISI 304		
3	NOZZLE ASSEMBLY	Noryl FE1520PW		
4	IMPELLER	Stainless steel AISI 304		
5	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104		
6	MECHANICAL SEAL	<div>Shaft Diameter Ø 14 mm</div>	<div>Stationary ring Ceramic</div>	<div>Materials Rotational ring Graphite Elastomer NBR</div>
7	BEARINGS	6203 ZZ / 6203 ZZ		
8	CAPACITOR	<div>Pump Single-phase</div>	<div>Capacitance (230 V or 240 V)</div>	<div>(110 V)</div>
		RBSC10751050	20 µF - 450 VL	60 µF - 300 VL
		RBSC11101550	25 µF - 450 VL	60 µF - 300 VL
9	ELECTRIC MOTOR	<div>RBSC: single-phase 230 V - 50 Hz with thermal overload protector incorporated into the winding.</div> <div>– Insulation: class F</div> <div>– Protection: IP X4</div>		



DIMENSIONS AND WEIGHT



MODEL	PORTS		DIMENSIONS mm										kg	
Single-phase	DN1	DN2	a	f	h	h1	h2	h3	n	n1	w	s	1~	3~
RBSC10751050	1"	1"	96	388	201 *	147	33	180	180	142	22	10	13.0	13.0
RBSC11101550													14.2	14.2

(*) h=220 mm for single phase versions at 110 V

ABSORPTION

MODEL	VOLTAGE		
Single-phase	230 V	240 V	110 V
RBSC10751050	4.7 A	4.5 A	9.4 A
RBSC11101550	6.0 A	5.5 A	12.0 A

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