Royal Exclusiv pumps & skimmers

Vorgebirgsstr. 28 // 50389 Wesseling // Germany

Fon +49(0)2236/88055-0 // Fax +49(0)2236/88055-20
info@royal-exclusiv.de // www.royal-exclusiv.de

Since 1986

Data sheet and list of spare parts for Red Dragon® 3 flow-pump

For all Red Dragon® 3 Speedy 100 Watt / 9,0m³ pumps
HIGHPRESSURE Version

v1.0

ENG

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Data sheet and power curve for flow pump with adjustable speed motor

Red Dragon® 3 Speedy pump 100 Watt / 9,0m³ Product no.: 604/100/HP 799,00 €

With prepared 10V conenction and
Hirschmann-Plug-Conenction between pump and controller

Technical data Red Dragon® 3 Speedy pump 100 Watt / 9,0m³:

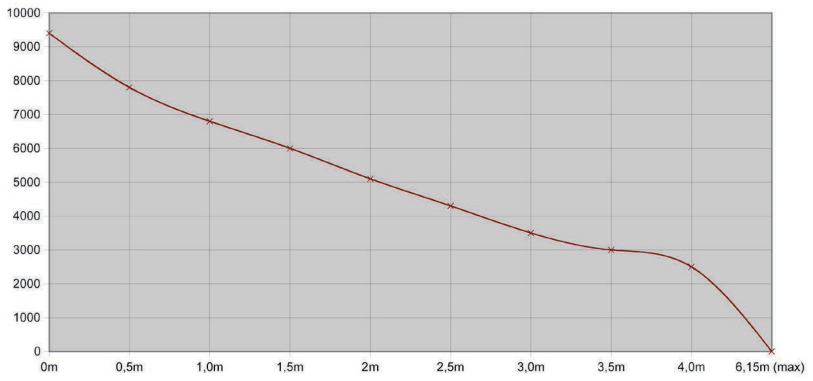
Performance:	9.000 liter / h
Cable length:	0,8 meter *(plug controller)*
	3,8 meter *(controller to pump)*
Pressure side:	Ø 32 mm Intake side: Ø 50 mm
Wattage:	adjustable max. 100 Watt
Pressure height:	max. 6,0 meter
Material/color:	PVC black/red/grey with screw connection
Operating voltage:	230 Volt 50 Hz *(also in 110V/60Hz available)*
Noise level:	38 db at full speed *(measured in 1 m distance - operation external)*
Protection class:	IP 68 *(submersible pump)* IP 66 *(controller)*
Weight:	4,7 kg
Height of intake side:	center 70 mm
Dimension pump:	130 mm wide / 235 mm length / ~ 190 mm height
Dimension controller:	140 mm wide / 190 mm length / ~ 70 mm height

- Saltwater resistant M6 grade 2 titanium screws
- Saltwater resistant parabolic rubber feet for acoustic decoupling
- Extreme low noise brushless dc-delivery pump with grouted power electronics
- High efficient technology Made in Germany
- Inlet and Outlet complete with DIN connection, compact dimensions
- High performance ceramics bearings and hollow shaft for bypass purging in the rotor housing
- "The only" saltwater resistant pump with titanium rotor, titanium stator and shrivelled bearings
- Easy usage and maintenance. Low risk of calcification due to polished titanium parts and compulsory purgeing
- Heavy and massive craftsmanship against vibrations and oscillation
- CE conformity, developed and built according to VDE guidelines

Liter/h

Power curve 100W full load

pressure height in inch	0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	137.8"	157.5"	242.1"
pressure height in meter	0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,5m	4,0m	6,15m (max)
liter / h	9400	7800	6800	6000	5100	4300	3500	3000	2500	0
gallons	2483	2061	1796	1585	1347	1136	925	793	660	0



pressure height in meter

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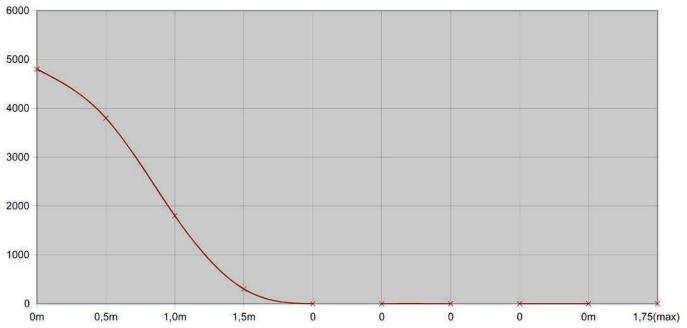
liter/h



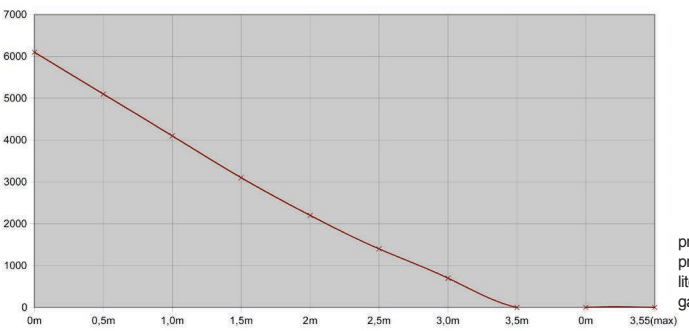
pressure height in meter

Red Dragon® 3 Speedy Pump 100 Watt / 9,0m³
HIGHPRESSURE

Power curve with 20W

pressure height inch	0"	19.69"	39.37"	59.06"	0	0	0	0	0"	68.9"
pressure height meter	0m	0,5m	1,0m	1,5m	0	0	0	0	0m	1,75(max)
liter / hour	4800	3800	1800	300	0	0	0	0	0	0
gallons / hour	1268	1004	476	79	0	0	0	0	0	0

liter/h



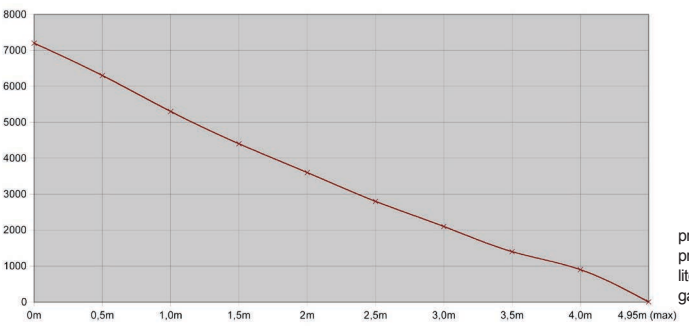
pressure height in meter

Red Dragon® 3 Speedy Pump 100 Watt / 9,0m³
HIGHPRESSURE

Power curve with 40W

pressure height inch	0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	137.8"	0"	139.8"
pressure height meter	0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,5m	0m	3,55(max)
liter / hour	6100	5100	4100	3100	2200	1400	700	0	0	0
gallons / hour	1611	1347	1083	819	581	370	185	0	0	0

liter/h



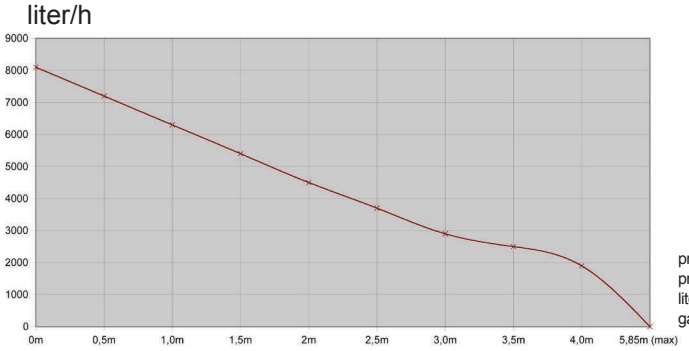
pressure height in meter

Red Dragon® 3 Speedy Pump 100 Watt / 9,0m³
HIGHPRESSURE

Power curve with 60W

pressure height inch	0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	137.8"	157.5"	230.3"
pressure height meter	0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,5m	4,0m	4,95m (max)
liter / hour	7200	6300	5300	4400	3600	2800	2100	1400	900	0
gallons / hour	1902	1664	1400	1162	951	740	555	370	238	0

liter/h



pressure height in meter

Red Dragon® 3 Speedy Pump 100 Watt / 9,0m³
HIGHPRESSURE

Power curve with 80W

pressure height inch	0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	137.8"	157.5"	230.3"
pressure height meter	0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,5m	4,0m	5,85m (max)
liter / hour	8100	7200	6300	5400	4500	3700	2900	2500	1900	0
gallons / hour	2140	1902	1664	1427	1189	977	766	660	502	0

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Red Dragon® 3 Speedy pump 100 Watt / 9,0m³ Product no.: 604/100/HP

list of spare parts	***Product.no.*** *(110V)*	*(230V)*	*Price*
part motor-block 100W	604/100/10		**329,76 €**
controller *(complete without wire)*	604/100/C/**1**	604/100/C/**2**	**335,80 €**
rotor complete 100W	604/100/SP12		**182,78 €**
pump head with AKB *(anti-lime-bypass)*	600/SP13		**29,83 €**
AKB (anti-lime-bypass) tube	600/SP15		**5,52 €**
titan screw 6x50mm with nut	600/SP5		**9,94 €**
o-ring for bearing plate Ø 85mm	603/ST3		**4,97 €**
screw connection complete Ø 32mm	175-32		**6,07 €**
screw connection complete Ø 50mm	175-50		**7,63 €**
o-ring pressure side Ø 32mm	174-32		**1,66 €**
o-ring intake side Ø 50mm	174-50		**2,10 €**
rubber feet set = 4 pieces	180		**4,42 €**

accessories	***Product.no.*** *(110V)*	*(230V)*	*Price*
silicon anti-vibration pump head red Outtake 32mm	119-32		**35,36 €**
silicon anti-vibration pump head red Intake 50mm	119-50		**52,52 €**
silicon grease tube 6g	030/6		**2,76 €**
silicon grease tube 25g	030/25		**8,29 €**

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Since 1986

Red Dragon® 3 Speedy pump 100 Watt / 9,0m³ **Product no.: 604/100/HP**

spare parts

part motor-block 100W
604/100/10

spare parts

controller
(complete with wire)
604/100/C/**x**

spare parts

rotor complete 100W
604/100/SP12

spare parts

pump head
with AKB (anti-lime-bypass)
600/SP13

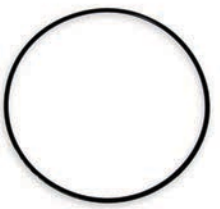
spare parts

AKB (anti-lime-bypass) tube
600/SP15

spare parts

titan screw 6x50mm
with nut
600/SP5

spare parts



o-ring for bearing plate
603/ST3

spare parts

screw connection
complete 32mm with o-ring
175-32

spare parts

screw connection
complete 50mm with o-ring
175-50

spare parts

o-ring 32mm
174-32

spare parts

o-ring 50mm
174-50

spare parts

rubber feet set = 4 pieces
180

accessories

silicon anti-vibration
119-32

accessories

silicon grease tube 6g
030-6

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