

Royal Exclusiv pumps & skimmers

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Since 1986



Data sheet and list of spare parts for Red Dragon® 3 flow-pump
For all Red Dragon® 3 Speedy 100 Watt / 12,0m³ pumps
FLOW Version

v2.0

ENG





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

Red Dragon® 3 Speedy pump 100 Watt / 12,0m³

Product no.: 604/100 799,00 €

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

Technical data Red Dragon® 3 Speedy pump 100 Watt / 12,0m³:

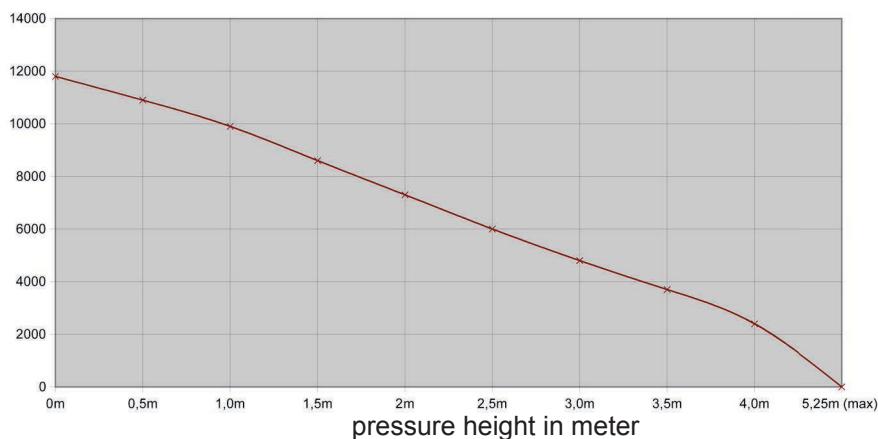
Performance: 12.000 liter / h
 Cable length: 0,8 meter (plug controller)
 3,0 meter (controller to pump)
 Pressure side: Ø 40 mm Intake side: Ø 50 mm
 Wattage: adjustable max. 100 Watt
 Pressure height: max. 5,25 meter
 Material/color: PVC black/grey with screw connection
 Operating voltage: 230 Volt 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: 5,1 kg
 Height of intake side: center 70 mm
 Dimension pump: 130 mm wide / 260 mm length / ~ 210 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"	206.7"
pressure height in meter	0m	0.5m	1.0m	1.5m	2m	2.5m	3.0m	3.5m	4.0m	5.25m (max)
liter / h	11800	10900	9900	8600	7300	6000	4800	3700	2400	0
gallons	3117	2879	2615	2272	1928	1585	1268	977	634	0

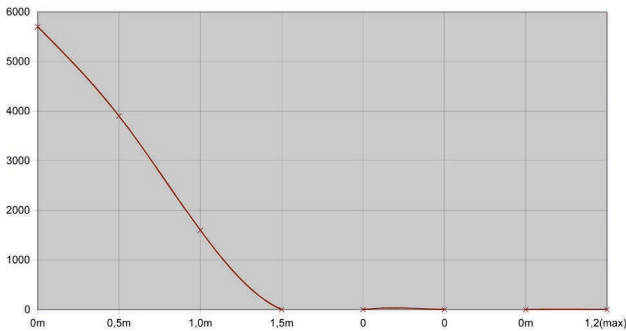


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liter/h



pressure height in meter

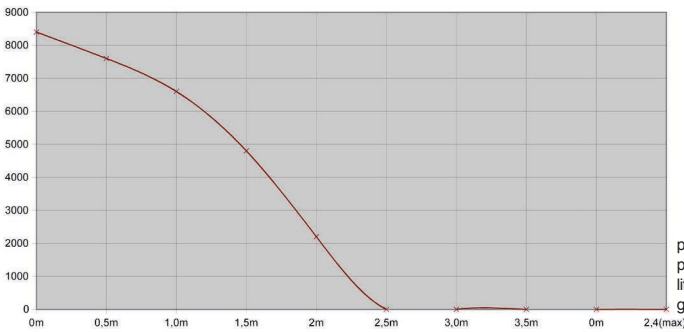
pressure height inch
pressure height meter
liter / hour
gallons / hour

Red Dragon® 3 Speedy Pump 100 Watt / 12,0m³
FLOW

Power curve with **20W**

0"	19.69"	39.37"	59.06"	0	0	0"	47.2"
0m	0,5m	1,0m	1,5m	0	0	0m	1,2(max)
5700	3900	1600	0	0	0	0	0
1506	1030	423	0	0	0	0	0

liter/h



pressure height in meter

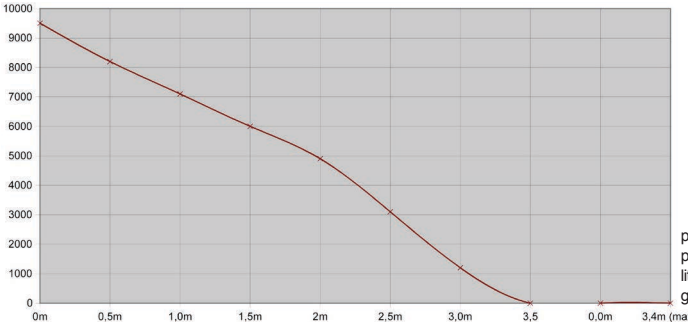
pressure height inch
pressure height meter
liter / hour
gallons / hour

Red Dragon® 3 Speedy Pump 100 Watt / 12,0m³
FLOW

Power curve with **40W**

0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	94.5"
0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	2,4(max)
8400	7600	6600	4800	2200	0	0	0
2219	2008	1744	1268	581	0	0	0

liter/h



pressure height in meter

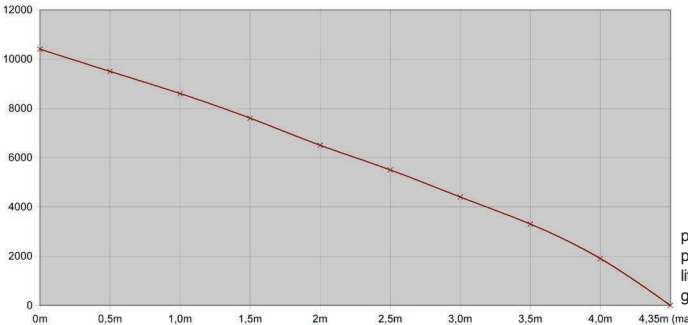
pressure height inch
pressure height meter
liter / hour
gallons / hour

Red Dragon® 3 Speedy Pump 100 Watt / 12,0m³
FLOW

Power curve with **60W**

0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	133.9"
0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,4m (max)
9500	8200	7100	6000	4900	3100	1200	0
2510	2166	1876	1585	1294	819	317	0

liter/h



pressure height in meter

pressure height inch
pressure height meter
liter / hour
gallons / hour

Red Dragon® 3 Speedy Pump 100 Watt / 12,0m³
FLOW

Power curve with **80W**

0"	19.69"	39.37"	59.06"	78.74"	98.43"	118.1"	137.8"	157.5"	171.2"
0m	0,5m	1,0m	1,5m	2m	2,5m	3,0m	3,5m	4,0m	4,35m (max)
10400	9500	8600	7600	6500	5500	4400	3300	1900	0
2747	2510	2272	2008	1717	1453	1162	872	502	0

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Red Dragon® 3 Speedy pump 100 Watt / 12,0m³ Product no.: 604/100

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/FLOW		182,78 €
pump head with AKB (anti-lime-bypass)	600/SP13/FLOW		292,83 €
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 40mm	175-40		6,68 €
screw connection complete Ø 50mm	175-50		7,63 €
o-ring pressure side Ø 40mm	174-40		1,78 €
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 GREY Inttake 50mm	119-50		52,52 €
silicon anti-vibration pump head GREY Outtake 40mm	119-40		42,00 €
silicon grease tube 6g	030/6		2,76 €
silicon grease tube 25g	030/25		8,29 €



Red Dragon® 3 Speedy pump 100 Watt / 12,0m³ Product no.: 604/100

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/FLOW

spare parts



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

spare parts



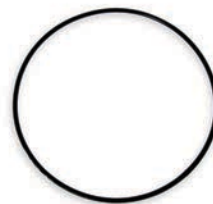
AKB (anti-lime-bypass) tube
600/SP15

spare parts



titan screw 6x50mm
with nut
600/SP5

spare parts



o-ring for bearing plate
603/ST3

spare parts



screw connection
complete 40mm with o-ring
175-40

spare parts



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

spare parts



o-ring 40mm
174-40

spare parts



o-ring 50mm
174-50

spare parts



rubber feet set = 4 pieces
180

accessories



silicon anti-vibration 50mm
for pump head GREY
119-50

accessories



silicon anti-vibration 40mm
for pump head GREY
119-40

accessories



silicon grease tube 6g
030-6

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