

DERBY-R



DERBY-R



DERBY-R VOX

Submersible electric pumps for white water

Pump head: 5,6 mt ÷ 10 mt.

Delivery: 7,5 m³/h ÷ 10,5 m³/h

Rated output: 0,22 kW (0,3 HP) ÷ 0,6 kW (0,8 HP)

Applications

- Rain, seepage, sump pit and catch tank water pump out.
- Garden and vegetable-garden mini flood irrigation system rainwater catch tank pump down.
- White water pump over from reservoirs and vats.

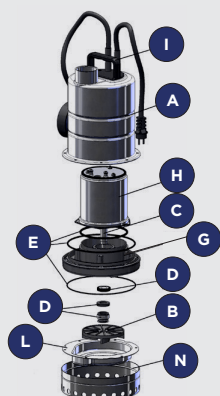
Design engineering

- Semi wet motor watercooled.
- Double mechanical seal: sealing ring, water bath mechanical seals (DERBY-R), oil bath mechanical seals (DERBY-R VOX).
- Permissible draught of water: 5 m.
- IP 68 protection class.
- Class "F" insulation.
- Max. Pumped liquid temperature: 35°C.
- By pass section: DERBY-R 10 mm - DERBY-R VOX 20mm.
- Versions: single phase: 220-277v/50 hz or 220-277v/60hz with built in thermal protection and permanent capacitor.
- Standard cable: Single phase : 5 metre H05F.

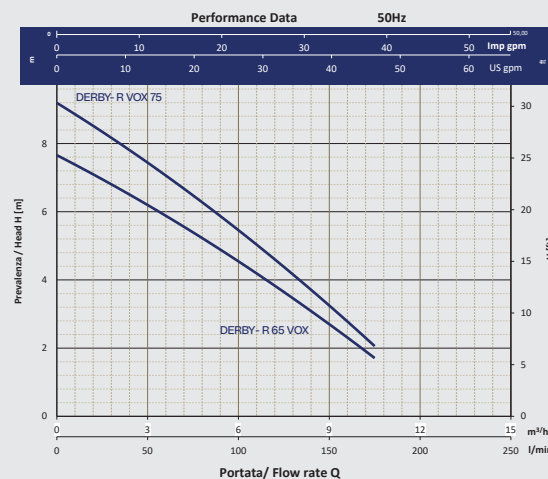
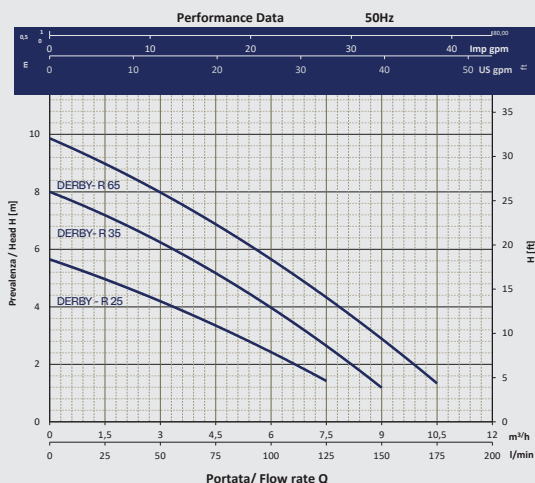
Customised voltage and frequency rating available on demand.

- The performance data holds true for liquids: $\rho = 1,0 \text{ kg/dm}^3$ density and $\nu = 1 \text{ mm}^2/\text{s}$ viscosity.

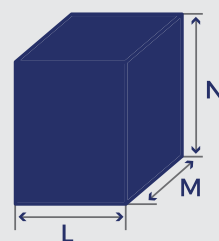
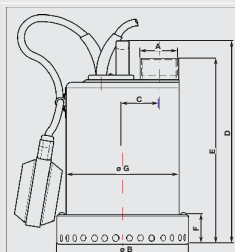
Materials table:



COMPONENTS.		MATERIALS
A	External motor housing	Tecnopolymer
B	External motor housing	DERBY-R
		DERBY-R VOX
C	Shaft (pump side)	Stainless steel
D	Mechanical seal	Pump face
		Motor face
E	O-ring	
G	Motor support flange	Tecnopolymer
H	Motor housing	Din 1.4301/Stainless steel
I	Cover	Tecnopolymer
L	Diffuser	Din 1.4301/Stainless steel
N	Suction base	Din 1.4301/Stainless steel



		ELECTRICAL DATA										HYDRAULIC DATA								
		Phase	Volt	Hz	P ass.	I ass.	P nom.		Capacitor		m³/h	0	1,5	3	4,5	6	7,5	9	10,5	
Code	Model				kW	A	kW	HP	µF	VC		l/min.	0	25	50	75	100	125	150	175
DRB0250	DERBY-R 25 M AUT	1 ~	230	50	0,38	2	0,22	0,3	8	450	H (m)	5,6	5	4,3	3,3	2,3	1,5	-	-	
DRB0350	DERBY-R 35 M AUT	1 ~	230	50	0,5	2,2	0,3	0,4	8	450		8	7,2	6,2	5,2	4	2,6	1,2	-	
DRB0650	DERBY-R 65 M AUT	1 ~	230	50	0,7	3	0,45	0,6	10	450		10	8,8	8	6,8	5,6	4,5	3	1,2	
DBV0650	DERBY-R VOX 65 M AUT	1 ~	230	50	0,6	2,8	0,45	0,6	10	450		7,5	7	6,4	5,5	4,6	3,4	2,4	2	
DBV0750	DERBY-R VOX 75 M AUT	1 ~	230	50	0,75	3,5	0,6	0,8	10	450		9	8,4	7,7	6,6	5,5	4,1	2,9	2,4	



MODEL	PUMP DIMENSION IN mm						
	A	B	C	D	E	F	G
DERBY-R 25	1"1/4	154	41	249	228	50	132
DERBY-R 35	1"1/4	154	41	249	228	50	132
DERBY-R 65	1"1/4	154	41	249	228	50	132
DERBY-R 65 VOX	1"1/4	154	41	282	261	74	132
DERBY-R 75 VOX	1"1/4	154	41	282	261	74	132

MODEL	PACKING DIMENSION			
	L mm	M mm	N mm	Peso Weight kg
DERBY-R 25	220	190	330	5,0
DERBY-R 35	220	190	330	5,2
DERBY-R 65	220	190	330	5,9
DERBY-R 65 VOX	220	190	330	6,2
DERBY-R 75 VOX	220	190	330	6,5