



RAINWATER HARVESTING SYSTEM

DAVEY®



Rainwater Harvesting System

Model Numbers: KRBCABS1/20,
KRBCABS2/20, KRBCAB1F

Packaged rainwater harvesting system, incorporating RainBank® dual source controller, specifically designed to source rainwater for applications such as toilets and/or laundry, with automatic mains water back-up.

The system includes filtration and stop valves for reliability, and comes packed into a neat lockable metal cabinet.

APPLICATIONS

RainBank® rainwater harvesting system is ideal for metropolitan rainwater harvesting on homes, toilet blocks and garden irrigation.

WHY CHOOSE OUR RAINBANK® RAINWATER HARVESTING SYSTEM?

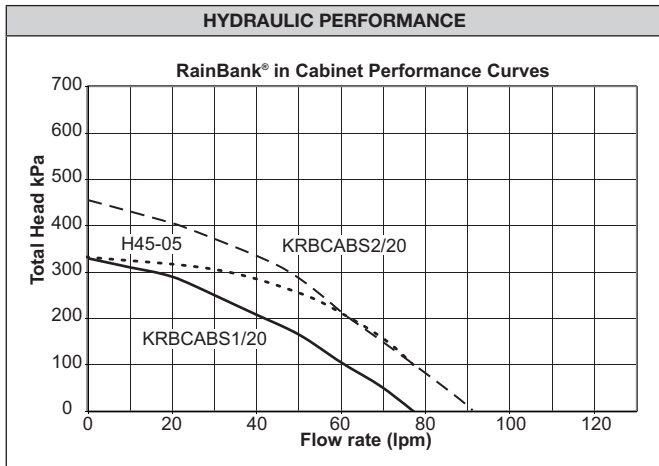
- All factory assembled and tested in a lockable metal cabinet for a neat and professional presentation.
- Simple to install with no adjustment necessary, saving time and money at installation.
- RainBank® automatically switches between rainwater and mains water supply, so there is no need for consumer intervention.
- Feedback lights to indicate water source and faults.
- Incorporates easily with new and existing buildings, for convenient installation.
- Unique patented, yet uncomplicated technology, providing a dependable solution to rainwater harvesting.
- No solenoid valves used.
- Very low standby power – only 0.5 watts.
- Provides seamless mains back-up in the event of no rainwater or electrical interruptions, for consumer convenience and comfort.
- Built-in backflow protection valve (dual check valve) in compliance with the requirements of AS/NZS 3500-1-2003 for added safety and assured protection of your mains water supply.
- Incorporates pre and post filtration to ensure reliability and high water quality.
- Comes with a choice of D42A/B20 and D53A/B20 submersible pumps or HP45-05 surface pump.
- Easily reversible for left and right handed installations.

DEPEND ON
DAVEY

WATER PRODUCTS

OPERATING LIMITS	
Max. flow rate (mains)	100 lpm
Max. flow rate (pump)	100 lpm
Max. Mains water pressure	900 kPa
Max. pump pressure	600 kPa
Max. pump amps	10 amps
Max. continuous water temperature	50°C
Min. water temperature	1°C
Max. ambient temperature	50°C
Mains water inlet size	¾" BSP(M)
Rainwater inlet size	1" BSP(M)
Outlet size	¾" BSP(M)

ELECTRICAL DATA			
Supply voltage	220-250V		
Supply frequency	50Hz		
Max. full load current	10A		
Enclosure class (cabinet)	IP56		
Pump supply lead	20m		
Input power (pump)	D42A/B	D53A/B	HP45-05
	0.94kW	1.31kW	0.55kW



MATERIALS OF CONSTRUCTION	
Part	Material
RB2/S	
See RainBank® datasheet (DWP0083)	
Cabinet	
1.0mm zincanneal powder coated beige	
Mains water plumbing	
¾" compression fitting	DR brass WaterMark approved
¾" butterfly isolation valve	DR brass WaterMark approved
¾" 250 micron Y strainer	DR brass WaterMark approved
¾" elbow	DR brass WaterMark approved
Rainwater plumbing	
1" 120 micron Y strainer	Polypropylene
Delivery plumbing	
¾" x 10" cartridge housing	Glass filled polypropylene
10" filter element	Poly pleated carbon impregnated 50 micron
¾" elbow	DR brass WaterMark approved
¾" x 190mm braided hose	Silicone lined stainless steel
Submersible pump	
See D42A/B & D53A/B datasheet (DPM128)	

APPROVALS
Complies with electrical standards: AS/NZS60335.2.41: 2004 Clause 24
Certificate of electrical suitability A/10E
Complies with plumbing standards: AS/NZS3500-1-2003 including provision of backflow protection when installed in compliance with product Installation & Operating Instructions.
Watermark License WMKA22042 for RainBank®.
Must be installed by a licensed plumber.

DIMENSIONS								
<p>Cabinet</p>			<p>D42A/B & D53A/B</p>			<p>HP45/05</p>		
Model	A	B	C	D	E	F	Outlet B.S.P.	Net Weight (kg)
D42A/B	475	130	370	235	195	330	1" F	18.5
D53A/B	535	170	430	235	195	330	1" F	19.5
Model	Mounting Holes Diameter					Inlet B.S.P.	Outlet B.S.P.	Net Weight (kg)
HP45-05	10 @ 140 centres					1¼" F	1" F	8.0

All dimensions in mm unless otherwise stated.