

# DAVEY



## DAVEY RainBank®

Model Numbers:  
KRBCABS1/20, KRBCABS2/20,  
KRBCAB1, KRBCAB1F

**GUARANTEE**  
3 YEARS

### APPLICATIONS

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

Tested in compliance with  
**AS/NZS 4020**   
for use in contact with safe drinking water

## DUAL SOURCE RAINWATER HARVESTING CONTROLLER KIT

### FEATURES & BENEFITS

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.

- **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**

# Rainwater Harvesting

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## OPERATING LIMITS

Max. flow rate (mains) @ 200kPa	63lpm
Max. flow rate (pump) @ 200kPa	63lpm
Max. Mains water pressure	600kPa
Max. pump pressure	450kPa
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	3/4" BSP(M)
Rainwater inlet size	1" BSP(M)
Outlet size	3/4" 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

## PUMP PERFORMANCE

Pump model	Pump flow rate @200kpa	Mains flow rate @200kPa
<b>Surface Mounted – Top Entry Float</b>		
HP45-05	40 lpm	63 lpm
<b>Submersible Float</b>		
D42A/B	40 lpm	63 lpm
D53A/B	63 lpm	63 lpm

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
<b>RB2/S</b>	
See RainBank datasheet (DWP0083)	
<b>Cabinet</b>	
1.0mm zincanneal powder coated beige	
<b>Mains water plumbing</b>	
3/4" compression fitting	DR brass WaterMark approved
3/4" butterfly isolation valve	DR brass WaterMark approved
3/4" 250 micron Y strainer	DR brass WaterMark approved
3/4" elbow	DR brass WaterMark approved
<b>Rainwater plumbing</b>	
1" 120 micron Y strainer	Polypropylene
<b>Delivery plumbing</b>	
3/4" x 10" cartridge housing	Glass filled polypropylene
10" filter element	Polypleated carbon impregnated 10 micron
3/4" elbow	DR brass WaterMark approved
3/4" x 190mm braided hose	Silicone lined stainless steel
<b>Submersible pump</b>	
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**

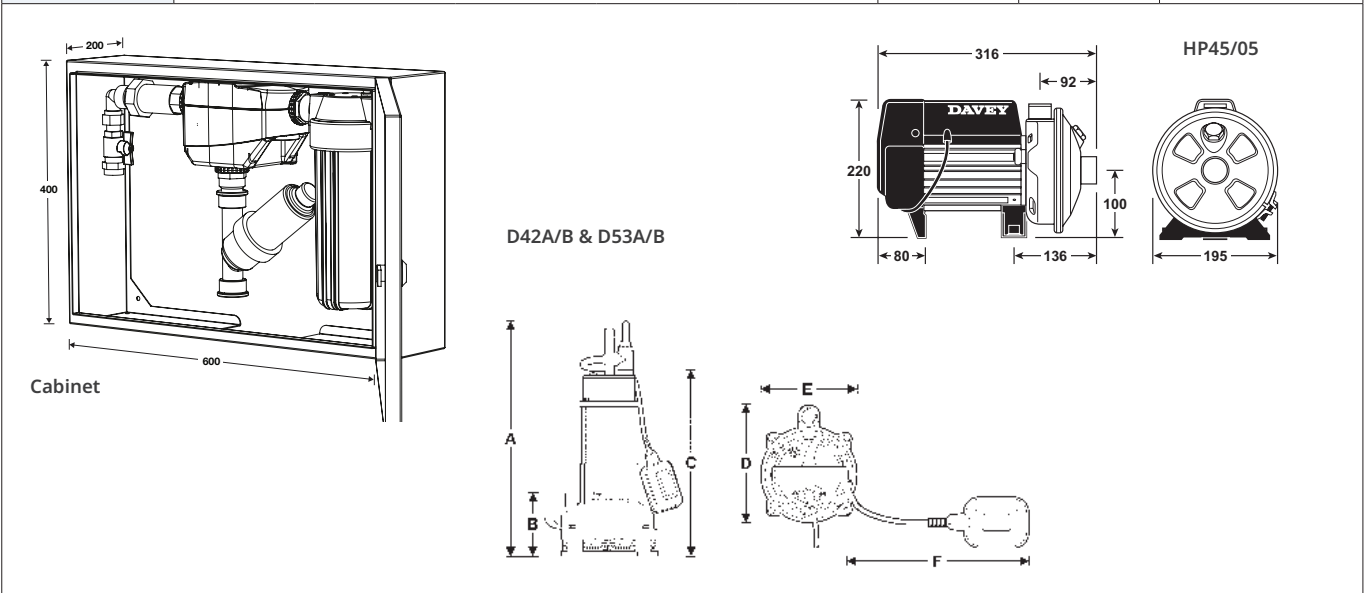
Complies with plumbing standards: **AS/NZS3500-1-2003** including provision of backflow protection when installed in compliance with product Installation & Operating Instructions.

Watermark License **WMKA22042** for RainBank.

Must be installed by a licensed plumber.

## DIMENSIONS (mm)

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					1 1/4" F	1" F	8.0



**daveywater.com**

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