

# RBC-DXC 0/10V DX KIT



Control the capacity of the VRF Toshiba system directly from the air handling unit controller to maintain constant fresh air temperature intake inside the building: the ultimate fresh air solution.

### Third party control

- 0/10v input for capacity and mode control: the AHU drives Toshiba VRF system.
- Output signal for defrost and failures: the AHU knows when Toshiba system is in trouble to avoid any troubles.

### All year round comfort

- Air temperature control using AHU sensor to enlarge air stream temperature control possibilities.
- Operate in both cooling and heating modes.

### Packaged solution

- DX kit composed of two parts: controller and valve kit.
- Delivered with temperature sensors.

**Only compatible with SMMSe 8 and 10HP in 1:1 configuration!**

CAPACITY



16kW > 31.5kW

AIR FLOW



Up to 6000m<sup>3</sup>/h

### OUTDOOR UNITS



SMMS-e

### LOCAL CONTROLS



RBC-AMT32E

### 0/10V DX KIT

LC / VRF DX Coil Controller Unit	RBC-	DXC031	DXC031	DXC031
VRF DX PMV valve unit	MM-	DXV141	DXV281	DXV281
Cooling capacity	kW	16.0	22.4	28.0
Heating capacity	kW	18.0	25.0	31.5
Power code	HP	6.0	8.0	10.0

### 0/10V DX KIT Physical data

LC / VRF DX Coil Controller Unit	RBC-	DXC031	DXC031	DXC031
Minimum air flow rate	m <sup>3</sup> /h	2310	3010	3500
Maximum air flow rate	m <sup>3</sup> /h	3960	5160	6000
Dimensions (HxWxD)	mm	400x300x165	400x300x165	400x300x165
Weight	kg	8	8	8
Cable Max Length (Analogue Input) (Screened cable: 0.5 ~ 1.0 mm <sup>2</sup> )	m	200	200	200
Cable Max Length (Digital Input) (Non screened cable: 1.5 ~ 2.5 mm <sup>2</sup> )	m	100	100	100
Cable Max Length (Digital Output) (Non screened cable: 1.5 ~ 2.5 mm <sup>2</sup> )	m	500	500	500
Cable Max Length (TCC Link) (Screened cable: 1.5 ~ 2.5 mm <sup>2</sup> )	m	1000	1000	1000
Standard Rating	IP	65	65	65
Operating temperature/humidity	°C / RH	5-40 / 10-90	5-40 / 10-90	5-40 / 10-90
Operating range - Cooling coil "Air on" temp	°C	15°CWB+24°CWB	15°CWB+24°CWB	15°CWB+24°CWB
Operating range - Heating coil "Air on" temp	°C	12°CDB+28°CDB	12°CDB+28°CDB	12°CDB+28°CDB
System Diversity	%	75 - 100	75 - 100	75 - 100
Outdoor Unit		8HP SMMS-e Only	8HP or 10HP SMMS-e Only	10HP SMMS-e Only
Power supply		220 - 240V AC 50Hz	220 - 240V AC 50Hz	220 - 240V AC 50Hz