

Energy Facts - Kubus (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back)



ASSUMPTIONS: Kubus (Drop In) Chilled Patisserie switched on for 8 hours per 24, Chilled Patisserie Used 7 days Per Week, Chilled Patisserie is in standby for 16 hours per 24, Lights off in standby, Average room temp. 18 deg C 50 % RH. Electric Cost - 18.000p/kWh - Average Business Rate - June 2023.

Kubus Self Help (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC6HTD Drop In (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 528w	528	0.528	4.224	
	1 no. EC Deck Fan On (8 hrs in 24) 6.5w	6.5	0.0065	0.052	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 4w ea.	16	0.016	0.128	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	KPC6FBHTD Drop In (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-4.224
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		1 no. EC Deck Fan Off In Defrost (1 hour in 8)	-6.5	-0.0065	-0.052
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41
Kubus			kWh/year	1418.57	
			Electric cost / year - 18.000 p/kWh	£255.34	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4	

Kubus Assisted Service (Drop In) Chilled Patisserie (Rear Doors) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC6ASHTD Drop In (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	
	1 no. EC Deck Fan On (8 hrs in 24) 6.5w	6.5	0.0065	0.052	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 4w ea.	16	0.016	0.128	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-380	-0.38	-3.04
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		1 no. EC Deck Fan Off In Defrost (1 hour in 8)	-6.5	-0.0065	-0.052
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-1.01
Kubus			kWh/year	1184.49	
			Electric cost / year - 18.000 p/kWh	£213.21	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.3	

Kubus Self Help (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC9HTD Drop In (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	
	2 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	13	0.013	0.104	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 10w ea.	40	0.04	0.32	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	KPC9FBHTD Drop In (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-706	-0.706	-5.648
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		2 no. EC Deck Fans Off In Defrost (1 hour in 8)	-13	-0.013	-0.104
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.88
Kubus			kWh/year	1786.80	
			Electric cost / year - 18.000 p/kWh	£321.62	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.5	

Kubus Assisted Service (Drop In) Chilled Patisserie (Rear Doors) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC9ASHTD Drop In (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 528w	528	0.528	4.224	
	2 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	13	0.013	0.104	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 10w ea.	40	0.04	0.32	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-4.224
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		2 no. EC Deck Fans Off In Defrost (1 hour in 8)	-13	-0.013	-0.104
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41
Kubus			kWh/year	1505.26	
			Electric cost / year - 18.000 p/kWh	£270.95	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4	

Kubus Self Help (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC12HTD Drop In (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 12w ea.	48	0.048	0.384	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	KPC12FBHTD Drop In (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-6.536
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.156
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
Kubus			kWh/year	2002.33	
			Electric cost / year - 18.000 p/kWh	£360.42	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6	

Kubus Assisted Service (Drop In) Chilled Patisserie (Rear Doors) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC12ASHTD Drop In (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 12w ea.	48	0.048	0.384	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-706	-0.706	-5.648
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.156
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.88
Kubus			kWh/year	1826.76	
			Electric cost / year - 18.000 p/kWh	£328.82	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.5	

Kubus Self Help (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC15HTD Drop In (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 18w ea.	72	0.072	0.576	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	KPC15FBHTD Drop In (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-6.536
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.156
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
Kubus			kWh/year	2072.41	
			Electric cost / year - 18.000 p/kWh	£373.03	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6	

Kubus Assisted Service (Drop In) Chilled Patisserie (Rear Doors) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC15ASHTD Drop In (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 18w ea.	72	0.072	0.576	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-6.536
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.156
		4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
Kubus			kWh/year	2072.41	
			Electric cost / year - 18.000 p/kWh	£373.03	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6	

Kubus Self Help (Drop In) Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC18HTD Drop In (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 787w	787	0.787	6.296	
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	
	8 no. Canopy/Shelf LED Lights On (8 hrs in 24) 7x10w & 1x12w ea.	82	0.082	0.656	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	KPC18FBHTD Drop In (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-787	-0.787	-6.296
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		4 no. EC Deck Fans Off In Defrost (1 hour in 8)	-26	-0.026	-0.208
		8 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-262.33	-0.26	-2.10
Kubus			kWh/year	2070.77	
			Electric cost / year - 18.000 p/kWh	£372.74	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6	

Kubus Assisted Service (Drop In) Chilled Patisserie (Rear Doors) - (r290 Refrigeration)					
Model	Component	Rating (W)	kWh/hour	kWh/day	
KPC18ASHTD Drop In (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 787w	787	0.787	6.296	
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	
	8 no. Canopy/Shelf LED Lights On (8 hrs in 24) 7x10w & 1x12w ea.	82	0.082	0.656	
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	
	Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-787	-0.787	-6.296
		Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3
		4 no. EC Deck Fans Off In Defrost (1 hour in 8)	-26	-0.026	-0.208
		8 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0
		Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-262.33	-0.26	-2.10
Kubus			kWh/year	2070.77	
			Electric cost / year - 18.000 p/kWh	£372.74	
			CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6	