

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



ASSUMPTIONS: Kubus 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 Chilled Patisserie (Rear Doors/ Fixed Back) - (r290 Refrigeration)

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC6HT (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 528w	528	0.528	4.224	1541.76
	1 no. EC Deck Fan On (8 hrs in 24) 6.5w	6.5	0.0065	0.052	18.98
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 4w ea.	16	0.016	0.128	46.72
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
KPC6FBHT (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-0.528	-192.72
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	1 no. EC Deck Fan Off In Defrost (1 hour in 8)	-6.5	-0.0065	-0.0065	-2.3725
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41
					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 Chilled Patisserie (Rear Doors) - (r290 Refrigeration)

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC6ASHT (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	1109.6
	1 no. EC Deck Fan On (8 hrs in 24) 6.5w	6.5	0.0065	0.052	18.98
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 4w ea.	16	0.016	0.128	46.72
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-380	-0.38	-0.38	-138.7
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	1 no. EC Deck Fan Off In Defrost (1 hour in 8)	-6.5	-0.0065	-0.0065	-2.3725
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-1.01
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC9HT (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	2061.52
	2 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	13	0.013	0.104	37.96
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 10w ea.	40	0.04	0.32	116.8
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
KPC9FBHT (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-706	-0.706	-0.706	-257.69
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	2 no. EC Deck Fans Off In Defrost (1 hour in 8)	-13	-0.013	-0.013	-4.745
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.88
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC9ASHT (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 528w	528	0.528	4.224	1541.76
	2 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	13	0.013	0.104	37.96
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 10w ea.	40	0.04	0.32	116.8
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-0.528	-192.72
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	2 no. EC Deck Fans Off In Defrost (1 hour in 8)	-13	-0.013	-0.013	-4.745
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC12HT (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	2385.64
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	56.94
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 12w ea.	48	0.048	0.384	140.16
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
KPC12FBHT (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.0195	-7.1175
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC12ASHT (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	2061.52
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	56.94
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 12w ea.	48	0.048	0.384	140.16
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-706	-0.706	-0.706	-257.69
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.0195	-7.1175
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.88
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC15HT (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	2385.64
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	56.94
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 18w ea.	72	0.072	0.576	210.24
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
KPC15FBHT (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.0195	-7.1175
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC15ASHT (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	2385.64
	3 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	19.5	0.0195	0.156	56.94
	4 no. Canopy/Shelf LED Lights On (8 hrs in 24) 18w ea.	72	0.072	0.576	210.24
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	3 no. EC Deck Fans Off In Defrost (1 hour in 8)	-19.5	-0.0195	-0.0195	-7.1175
	4 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-272.33	-0.27	-2.18
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC18HT (Self Help Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 787w	787	0.787	6.296	2298.04
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	75.92
	8 no. Canopy/Shelf LED Lights On (8 hrs in 24) 7x10w & 1x12w ea.	82	0.082	0.656	239.44
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
KPC18FBHT (Self Help Cold Patiss.) (Fixed Back)	Condensing Unit Off In Defrost (1 hour in 8)	-787	-0.787	-0.787	-287.255
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	4 no. EC Deck Fans Off In Defrost (1 hour in 8)	-26	-0.026	-0.026	-9.49
	8 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-262.33	-0.26	-2.10
					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

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
KPC18ASHT (Assisted Serve Cold Patiss.) (Rear Doors)	Condensing unit On (8 hrs in 24) 787w	787	0.787	6.296	2298.04
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	75.92
	8 no. Canopy/Shelf LED Lights On (8 hrs in 24) 7x10w & 1x12w ea.	82	0.082	0.656	239.44
	Evap Tray Element On (1.5 hour in 24) 750w	750	0.75	1.125	410.625
	Condensing Unit In Standby Mode (16 hours in 24)	0	0	0	0
Kubus	Condensing Unit Off In Defrost (1 hour in 8)	-787	-0.787	-0.787	-287.255
	Coil Defrost Element On (1 hour in 8) 300w	300	0.3	0.3	109.5
	EC Deck Fans Off In Defrost (1 hour in 8)	-26	-0.026	-0.026	-9.49
	8 no. Canopy/Shelf LED Lights Off (16 hrs in 24)	0	0	0	0
	Kubus	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-262.33	-0.26	-2.10
					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