

Energy Facts - Glide Chilled Multideck



ASSUMPTIONS: Glide Chilled Display Unit switched on for 8 hours per 24, Chilled Display Unit Used 7 days Per Week, Chilled Display Unit 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.

Glide Self Help Chilled Multideck (Rear Doors/ Fixed Back) - (r290 Refrigeration)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR2HT (Self Help Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 10w	10	0.01	0.08	29.2
GMDF2HT (Self Help Cold M.Deck) (Fixed Back)	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
	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-0.528	-192.72
Glide	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)	-13	-0.013	-0.013	-4.745
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-176.00
kwh/year					1417.66
Electric cost / year - 18.000 p/kWh					£255.18
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.4

Glide Assisted Service Chilled Multideck (Rear Doors) - (r290 Refrigeration)

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR2ASHT (Assisted Serve Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 10w	10	0.01	0.08	29.2
Glide	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
	Condensing Unit Off In Defrost (1 hour in 8)	-528	-0.528	-0.528	-192.72
Glide	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)	-13	-0.013	-0.013	-4.745
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-176.00
kwh/year					1417.66
Electric cost / year - 18.000 p/kWh					£255.18
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.4

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR3HT (Self Help Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 12w	12	0.012	0.096	35.04
GMDF3HT (Self Help Cold M.Deck) (Fixed Back)	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
	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
Glide	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)	-19.5	-0.0195	-0.0195	-7.1175
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-272.33
kwh/year					1897.21
Electric cost / year - 18.000 p/kWh					£341.50
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR3ASHT (Assisted Serve Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 12w	12	0.012	0.096	35.04
Glide	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
	Condensing Unit Off In Defrost (1 hour in 8)	-706	-0.706	-0.706	-257.69
Glide	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)	-19.5	-0.0195	-0.0195	-7.1175
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-235.33
kwh/year					1721.64
Electric cost / year - 18.000 p/kWh					£309.90
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR4HT (Self Help Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 18w	18	0.018	0.144	52.56
GMDF4HT (Self Help Cold M.Deck) (Fixed Back)	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
	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
Glide	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)	-19.5	-0.0195	-0.0195	-7.1175
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-272.33
kwh/year					1914.73
Electric cost / year - 18.000 p/kWh					£344.65
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR4ASHT (Assisted Serve Cold M.Deck) (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
	Canopy LED Light On (8 hrs in 24) 18w	18	0.018	0.144	52.56
Glide	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
	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
Glide	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)	-19.5	-0.0195	-0.0195	-7.1175
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-272.33
kwh/year					1914.73
Electric cost / year - 18.000 p/kWh					£344.65
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR5HT (Self Help Cold M.Deck) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	2385.64
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	75.92
	Canopy LED Lights On (8 hrs in 24) 22w	22	0.022	0.176	64.24
GMDF5HT (Self Help Cold M.Deck) (Fixed Back)	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
	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
Glide	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
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-272.33
kwh/year					1943.02
Electric cost / year - 18.000 p/kWh					£349.74
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5

Model	Component	Rating (W)	kW/hour	kWh/day	kWh/year
GMDR5ASHT (Assisted Serve Cold M.Deck) (Rear Doors)	Condensing unit On (8 hrs in 24) 817w	817	0.817	6.536	2385.64
	4 no. EC Deck Fans On (8 hrs in 24) 6.5w ea.	26	0.026	0.208	75.92
	Canopy LED Light On (8 hrs in 24) 22w	22	0.022	0.176	64.24
Glide	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
	Condensing Unit Off In Defrost (1 hour in 8)	-817	-0.817	-0.817	-298.205
Glide	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
	Canopy LED Light Off (16 hrs in 24)	0	0	0	0
Condensing Unit Off (Cycling At Temperature (20 mins per hr)					-272.33
kwh/year					1943.02
Electric cost / year - 18.000 p/kWh					£349.74
CO2 emissions in tons/year (0.281 kg CO2 per kwh)					0.5