

Energy Facts - Glide (Wall Sited) Chilled Well With Ambient Gantry/ No Gantry Type



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 (Wall Sited) Chilled Well - With Gantry (r290 Refrigeration)

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
GCW2HT & GCWWS2 (Well) + (Wall Sited Airflow)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	1109.6
	2 no. EC Deck Fans On (8 hrs in 24) 20w ea.	40	0.04	0.32	116.8
	Gantry LED Lights On (8 hrs in 24) 8w	8	0.008	0.064	23.36
	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)	-380	-0.38	-0.38	-138.7
	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)	-40	-0.04	-0.04	-14.6
	Gantry LED Lights Off (16 hrs in 24)	0	0	0	0
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-1.01	-369.87
				kWh/year	1246.72
				Electric cost / year - 18.000 p/kWh	£224.41
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4

Glide (Wall Sited) Chilled Well - No Gantry (r290 Refrigeration)

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year	
GCW2HT & GCWWS2 (Well) + (Wall Sited Airflow) (No Gantry)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	1109.6	
	2 no. EC Deck Fans On (8 hrs in 24) 20w 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	
	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	
	EC Deck Fans Off In Defrost (1 hour in 8)	-40	-0.04	-0.04	-14.6	
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-1.01	-369.87	
					kWh/year	1223.36
					Electric cost / year - 18.000 p/kWh	£220.20
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.3	

Cost saving / year (£) Using No Gantry Model £4.20
Cost saving / year (%) Using No Gantry Model 1.87%
CO2 emissions saving / year (tons) 0.01

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
GCW3HT & GCWWS3 (Well) + (Wall Sited Airflow)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	1109.6
	2 no. EC Deck Fans On (8 hrs in 24) 20w ea.	40	0.04	0.32	116.8
	Gantry LED Lights On (8 hrs in 24) 12w	12	0.012	0.096	35.04
	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)	-380	-0.38	-0.38	-138.7
	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)	-40	-0.04	-0.04	-14.6
	Gantry LED Lights Off (16 hrs in 24)	0	0	0	0
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-0.89	-323.63
				kWh/year	1304.63
				Electric cost / year - 18.000 p/kWh	£234.83
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year	
GCW3HT & GCWWS3 (Well) + (Wall Sited Airflow) (No Gantry)	Condensing unit On (8 hrs in 24) 380w	380	0.38	3.04	1109.6	
	2 no. EC Deck Fans On (8 hrs in 24) 20w 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	
	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	
	EC Deck Fans Off In Defrost (1 hour in 8)	-40	-0.04	-0.04	-14.6	
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-126.67	-0.13	-1.01	-369.87	
					kWh/year	1223.36
					Electric cost / year - 18.000 p/kWh	£220.20
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.3	

Cost saving / year (£) Using No Gantry Model £14.63
Cost saving / year (%) Using No Gantry Model 6.23%
CO2 emissions saving / year (tons) 0.02

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
GCW4HT & GCWWS4 (Well) + (Wall Sited Airflow)	Condensing unit On (8 hrs in 24) 528w	528	0.528	4.224	1541.76
	3 no. EC Deck Fans On (8 hrs in 24) 20w ea.	60	0.06	0.48	175.2
	Gantry LED Lights On (8 hrs in 24) 18w	18	0.018	0.144	52.56
	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
	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)	-60	-0.06	-0.06	-21.9
	Gantry LED Lights Off (16 hrs in 24)	0	0	0	0
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41	-513.92
				kWh/year	1561.11
				Electric cost / year - 18.000 p/kWh	£281.00
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year	
GCW4HT & GCWWS4 (Well) + (Wall Sited Airflow) (No Gantry)	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) 20w ea.	60	0.06	0.48	175.2	
	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	
	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)	-60	-0.06	-0.06	-21.9	
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-176.00	-0.18	-1.41	-513.92	
					kWh/year	1508.55
					Electric cost / year - 18.000 p/kWh	£271.54
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.4	

Cost saving / year (£) Using No Gantry Model £9.46
Cost saving / year (%) Using No Gantry Model 3.37%
CO2 emissions saving / year (tons) 0.01

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year
GCW5HT & GCWWS5 (Well) + (Wall Sited Airflow)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	2061.52
	4 no. EC Deck Fans On (8 hrs in 24) 20w ea.	80	0.08	0.64	233.6
	Gantry LED Lights On (8 hrs in 24) 42w	42	0.042	0.336	122.64
	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
	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)	-80	-0.08	-0.08	-29.2
	Gantry LED Lights Off (16 hrs in 24)	0	0	0	0
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.65	-601.28
				kWh/year	2049.72
				Electric cost / year - 18.000 p/kWh	£368.95
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.6

Model	Component	Rating (W)	kWh/hour	kWh/day	kWh/year	
GCW5HT & GCWWS5 (Well) + (Wall Sited Airflow) (No Gantry)	Condensing unit On (8 hrs in 24) 706w	706	0.706	5.648	2061.52	
	4 no. EC Deck Fans On (8 hrs in 24) 20w ea.	80	0.08	0.64	233.6	
	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	
	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)	-80	-0.08	-0.08	-29.2	
	Condensing Unit Off (Cycling At Temperature (20 mins per hr)	-235.33	-0.24	-1.88	-687.17	
					kWh/year	1841.18
					Electric cost / year - 18.000 p/kWh	£331.41
				CO2 emissions in tons/year (0.281 kg CO2 per kWh)	0.5	

Cost saving / year (£) Using No Gantry Model £37.54
Cost saving / year (%) Using No Gantry Model 10.17%
CO2 emissions saving / year (tons) 0.06