

## Model

Designation **CU GS34CLX MG\_Z 230/1/50 VAL**



Sales code: 314L7001  
Engineering code: CUGS34CLX00VE

## Application Data

Power supply 220-240V / 50Hz 1~  
Refrigerants R404A-R452A  
Refr. charge - tech. limit 2000g / 70,5oz  
Starter HST / capillary tube or expansion valve  
Sound pressure (10m) 40,2dB(A)

## Configuration data

	Conf. 1	Conf. 2
Voltage range	198 - 254V / 50Hz	198 - 254V / 50Hz
Refrigerant	R404A	R452A
Application	LBP	LBP

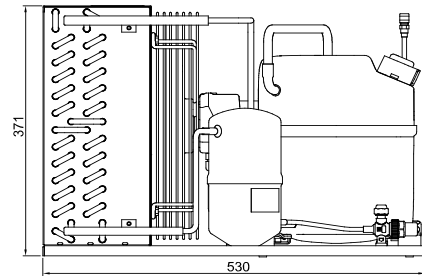
Rated performance pe=-25°C, Tsuc=20°C, Tamb=25°C, subcooling: 2K

Cooling capacity	1712W / 5847Btu/h	1671W / 5707Btu/h
Power consumption	1263,5W	1175,9W
Current consumption	6,4A	5,5A
COP/EER	1,36 / 4,63Btu/Wh	1,42 / 4,85Btu/Wh

Approvals Eco design (EU) 2015/1095, CE, UK CA, VDE Eco design (EU) 2015/1095, CE, UK CA, VDE

## Compressor

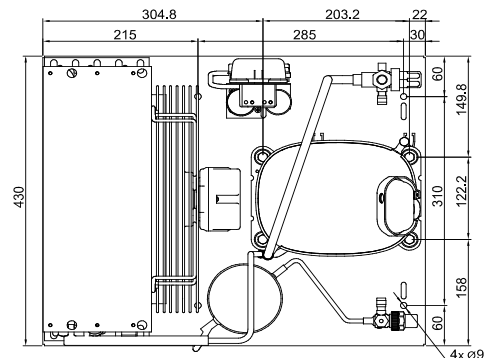
Designation **GS34CLX**  
Motor configuration CSCR  
Locked rotor amperage 40A  
Rated load amperage 5,6A  
Winding resistance main 1,6Ω  
Winding resistance aux 6,7Ω  
Oil quantity 900cm<sup>3</sup> / 30,4fl.oz  
Oil type POE  
Horsepower rating 1 3/4 HP



## Dimensions

### Condensing unit

Height x Width x Depth 371 x 430 x 530 [mm] / 14,6 x 16,9 x 20,9 [in]  
Weight 36,6kg / 80,8lbs  
Suction adapter FLARE 1/2"  
Discharge adapter FLARE 1/4"  
Process connector ø6,5mm / 0,26in



### Package data

Height x Width x Depth 450 x 600 x 700 [mm] / 17,7 x 23,6 x 27,6 [in]  
Weight 40,6kg / 89,6lbs

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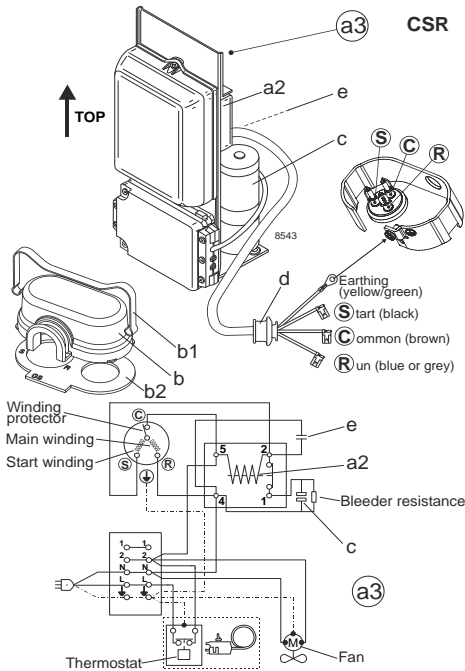
### Components Condensing-Unit / Spare Parts

Component	Type	Spare part code number
Compressor code	GS34CLX	107B0525
Condenser	Condenser (4 rows x 14 tubes)	SP 314S0006
Fan motor		SP 314S0013
Blade code	/	/
Air flow	1263m <sup>3</sup> /h	
Receiver code	Receiver 1,3 liter	MP 314S0036
Suction valve code	FLARE 1/2"	FLARE 1/2"
Liquid valve code	FLARE 1/4"	FLARE 1/4"

Compressor starting equipment	Spare part code number
pos. a3 - GS starter kit	117-7074
pos. b - cover	107B9101
pos. b2 - gasket	107B9100
pos. b1 - clamp	107B9104

### Wiring Sketch Compressor

### Wiring Sketch Condensing Unit



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## Cooling performance - Conf. 1

Power supply	220-240V / 50Hz 1~	Voltage range	198 - 254V / 50Hz
Refr. charge - tech. limit	2000g / 70,5oz		
Starter	HST / capillary tube or expansion valve		
Motor configuration	CSCR		
Refrigerant	R404A		
Application	LBP		
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE		

ambient temperature	[°C / °F]	25 / 77 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4	-10 / 14	-5 / 23
cooling capacity	[W]	634	853	1107	1712	2055	2796	3178
COP	[W/W]	0,87	1,01	1,14	1,35	1,42	1,48	1,46
cooling capacity	[Btu/h]	2165	2912	3780	5846	7017	9548	10852
power consumption	[W]	725	844	969	1264	1444	1894	2171
current consumption	[A]	4,6	4,9	5,3	6,4	7,2	9,3	10,6

ambient temperature	[°C / °F]	32 / 90 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)				
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4
cooling capacity	[W]	527	729	961	1508	1816
COP	[W/W]	0,74	0,86	0,97	1,16	1,22
cooling capacity	[Btu/h]	1799	2489	3281	5151	6203
power consumption	[W]	711	847	986	1301	1487
current consumption	[A]	4,4	4,7	5,2	6,6	7,5

ambient temperature	[°C / °F]	38 / 100 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)			
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13
cooling capacity	[W]	436	623	836	1333
COP	[W/W]	0,64	0,75	0,85	1,01
cooling capacity	[Btu/h]	1489	2128	2855	4554
power consumption	[W]	679	830	983	1317
current consumption	[A]	4,2	4,7	5,2	6,8

ambient temperature	[°C / °F]	43 / 109 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)		
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31
cooling capacity	[W]	362	536	733
COP	[W/W]	0,57	0,67	0,76
cooling capacity	[Btu/h]	1236	1830	2502
power consumption	[W]	636	800	965
current consumption	[A]	4,1	4,6	5,3

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## Cooling performance - Conf. 2

Power supply	220-240V / 50Hz 1~	Voltage range	198 - 254V / 50Hz
Refr. charge - tech. limit	2000g / 70,5oz		
Starter	HST / capillary tube or expansion valve		
Motor configuration	CSCR		
Refrigerant	R452A		
Application	LBP		
Approvals	Eco design (EU) 2015/1095, CE, UK CA, VDE		

ambient temperature	[°C / °F]	25 / 77 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)						
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4	-10 / 14	-5 / 23
cooling capacity	[W]	618	803	1044	1671	2043	2862	3293
COP	[W/W]	0,97	1,04	1,17	1,42	1,52	1,61	1,61
cooling capacity	[Btu/h]	2110	2743	3564	5707	6976	9773	11245
power consumption	[W]	638	769	896	1176	1345	1775	2049
current consumption	[A]	3,9	4,3	4,7	5,5	6	7,3	8,1

ambient temperature	[°C / °F]	32 / 90 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)				
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4
cooling capacity	[W]	528	692	908	1478	1818
COP	[W/W]	0,86	0,9	1	1,22	1,31
cooling capacity	[Btu/h]	1804	2363	3101	5046	6210
power consumption	[W]	617	766	909	1210	1384
current consumption	[A]	3,8	4,3	4,7	5,6	6,2

ambient temperature	[°C / °F]	38 / 100 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)				
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31	-25 / -13	-20 / -4
cooling capacity	[W]	450	595	790	1311	1627
COP	[W/W]	0,77	0,79	0,87	1,07	1,16
cooling capacity	[Btu/h]	1538	2033	2699	4478	5558
power consumption	[W]	584	749	905	1224	1404
current consumption	[A]	3,7	4,2	4,7	5,7	6,2

ambient temperature	[°C / °F]	43 / 109 (suction gas temperature [°C / °F]: 20 / 68, subcooling: 2K)		
evaporating temperature	[°C / °F]	-45 / -49	-40 / -40	-35 / -31
cooling capacity	[W]	385	515	692
COP	[W/W]	0,71	0,71	0,78
cooling capacity	[Btu/h]	1316	1758	2364
power consumption	[W]	543	722	888
current consumption	[A]	3,6	4,2	4,7