Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 12**				
Indoor model		**SMERALDO-C IDU DUCT 12**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	52		
	outdoor			62		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,5		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	188		
Design load in cooling mode		*Pdesignc*	[kW]	3,5		
SCOP (average heating season)		*SCOP/A*	-	4,1		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	922		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	2,7		
Declared capacity at reference design condition (heating average season)		-	[kW]	2,5		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,17		
Rated current for cooling		-	[A]	4,8		
Rated current for heating		-	[A]	4,0		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	3,5	0,5	3,9
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	3,4	1,0	4,5
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	1,1	0,2	1,5
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	0,9	0,3	1,4
Rated Energy efficiency ratio		*EERrated*	-	3,23		
Rated Coefficient of performance		*COPrated*	-	3,74		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	1

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 188 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 922 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

Contact details for obtaining more information	**Ferroli S.p.A. Via Ritonda 78/A 37047 San Bonifacio (VR) Italy**

Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 18**				
Indoor model		**SMERALDO-C IDU DUCT 18**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	53		
	outdoor			62		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,5		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	285		
Design load in cooling mode		*Pdesignc*	[kW]	5,3		
SCOP (average heating season)		*SCOP/A*	-	4,1		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	1468		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	4,3		
Declared capacity at reference design condition (heating average season)		-	[kW]	3,8		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,48		
Rated current for cooling		-	[A]	7,1		
Rated current for heating		-	[A]	7,2		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	5,3	1,3	6,2
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	6,0	1,5	6,3
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	1,6	0,4	2,1
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	1,6	0,5	1,9
Rated Energy efficiency ratio		*EERrated*	-	3,32		
Rated Coefficient of performance		*COPrated*	-	3,72		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	1

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 285 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 1468 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

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Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 24**				
Indoor model		**SMERALDO-C IDU CASSETTE 24**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	59		
	outdoor			68		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,3		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	394		
Design load in cooling mode		*Pdesignc*	[kW]	7,1		
SCOP (average heating season)		*SCOP/A*	-	4,1		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	2117		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	6,2		
Declared capacity at reference design condition (heating average season)		-	[kW]	5,3		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,85		
Rated current for cooling		-	[A]	8,8		
Rated current for heating		-	[A]	8,5		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	6,5	3,3	7,9
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	7,6	2,8	8,5
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	2,0	0,8	2,8
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	1,9	0,6	2,3
Rated Energy efficiency ratio		*EERrated*	-	3,25		
Rated Coefficient of performance		*COPrated*	-	4,01		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	1

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 394 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 2117 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

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Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 30**				
Indoor model		**SMERALDO-C IDU CASSETTE 30**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	63		
	outdoor			70		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,6		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	467		
Design load in cooling mode		*Pdesignc*	[kW]	8,8		
SCOP (average heating season)		*SCOP/A*	-	4,2		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	2567		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	7,7		
Declared capacity at reference design condition (heating average season)		-	[kW]	6,8		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,90		
Rated current for cooling		-	[A]	11,8		
Rated current for heating		-	[A]	11,0		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	8,8	2,2	9,4
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	9,4	2,7	9,7
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	2,7	0,2	3,0
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	2,5	0,4	2,5
Rated Energy efficiency ratio		*EERrated*	-	3,23		
Rated Coefficient of performance		*COPrated*	-	3,83		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	1

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 467 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 2567 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

Contact details for obtaining more information	**Ferroli S.p.A. Via Ritonda 78/A 37047 San Bonifacio (VR) Italy**

Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 36**				
Indoor model		**SMERALDO-C IDU CASSETTE 36**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	63		
	outdoor			70		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,7		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	549		
Design load in cooling mode		*Pdesignc*	[kW]	10,5		
SCOP (average heating season)		*SCOP/A*	-	4,0		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	2975		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	8,5		
Declared capacity at reference design condition (heating average season)		-	[kW]	7,8		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,66		
Rated current for cooling		-	[A]	17,5		
Rated current for heating		-	[A]	13,5		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	9,9	2,7	11,4
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	11,1	2,8	12,3
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	3,0	0,9	4,2
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	3,0	0,8	4,0
Rated Energy efficiency ratio		*EERrated*	-	3,33		
Rated Coefficient of performance		*COPrated*	-	3,71		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	1

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 549 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 2975 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

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Product Fiche

Trademark		LAMBORGHINI CALORECLIMA				
Outdoor model		**SMERALDO-C ODU S 36T**				
Indoor model		**SMERALDO-C IDU CASSETTE 36**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	63		
	outdoor			70		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,4		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	589		
Design load in cooling mode		*Pdesignc*	[kW]	10,5		
SCOP (average heating season)		*SCOP/A*	-	4,0		
Energy efficiency class in heating (average season)		-	-	A+		
Annual electricity consumption in heating (average season) (3)		*QHE*	[kWh/a]	2870		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	8,2		
Declared capacity at reference design condition (heating average season)		-	[kW]	7,8		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,39		
Rated current for cooling		-	[A]	6,5		
Rated current for heating		-	[A]	5,0		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	10,0	2,7	11,4
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	11,1	2,8	12,7
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	3,0	0,9	4,2
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	3,0	0,8	4,0
Rated Energy efficiency ratio		*EERrated*	-	3,29		
Rated Coefficient of performance		*COPrated*	-	3,71		
Voltage - Frequency - Phase no.		-	[V-Hz-Ph]	220/240	50	3

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675.This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

(2) Energy consumption 589 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

(3) Energy consumption 2870 kW/h per year based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

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