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.

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 24**				
Indoor model		**SMERALDO-C IDU DUCT 24**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	56		
	outdoor			69		
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]	377		
Design load in cooling mode		*Pdesignc*	[kW]	7,1		
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]	1867		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	5,6		
Declared capacity at reference design condition (heating average season)		-	[kW]	5,3		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,33		
Rated current for cooling		-	[A]	9,6		
Rated current for heating		-	[A]	9,0		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	7,0	3,2	7,9
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	8,0	2,8	8,6
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	2,2	0,8	2,9
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	2,0	0,6	2,5
Rated Energy efficiency ratio		*EERrated*	-	3,24		
Rated Coefficient of performance		*COPrated*	-	3,99		
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 377 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 1867 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 DUCT 30**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	60		
	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]	2667		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	8,0		
Declared capacity at reference design condition (heating average season)		-	[kW]	6,6		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	1,36		
Rated current for cooling		-	[A]	11,8		
Rated current for heating		-	[A]	10,6		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	8,6	2,2	10,0
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	9,4	2,7	10,0
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	2,7	0,2	3,5
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	2,4	0,4	2,5
Rated Energy efficiency ratio		*EERrated*	-	3,24		
Rated Coefficient of performance		*COPrated*	-	3,91		
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 2667 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 DUCT 36**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	62		
	outdoor			70		
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]	583		
Design load in cooling mode		*Pdesignc*	[kW]	10,5		
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]	2868		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	8,4		
Declared capacity at reference design condition (heating average season)		-	[kW]	7,7		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	0,74		
Rated current for cooling		-	[A]	13,6		
Rated current for heating		-	[A]	12,2		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	9,8	2,8	11,7
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	10,3	2,8	12,6
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	3,0	0,9	4,3
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	2,8	0,8	4,0
Rated Energy efficiency ratio		*EERrated*	-	3,23		
Rated Coefficient of performance		*COPrated*	-	3,73		
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 583 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 2868 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 36T**				
Indoor model		**SMERALDO-C IDU DUCT 36**				
Description		**Symbol**	**Unit**	**Value**		
Sound power level at standard rating conditions	indoor	*LWA*	[dB(A)]	62		
	outdoor			70		
Refrigerant type		-	-	R32		
GWP (1)		*GWP*	[kgCO2 eq.]	675		
SEER		*SEER*	-	6,1		
Energy efficiency class in cooling		-	-	A++		
Annual electricity consumption in cooling (2)		*QCE*	[kWh/a]	608		
Design load in cooling mode		*Pdesignc*	[kW]	10,6		
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]	3080		
Warmer heating season		-	-	Y		
Colder heating season		-	-	N		
Design load in heating mode (average season)		*Pdesignh*	[kW]	8,8		
Declared capacity at reference design condition (heating average season)		-	[kW]	7,8		
Back up heating capacity at reference design condition (heating average season)		-	[kW]	1,03		
Rated current for cooling		-	[A]	4,4		
Rated current for heating		-	[A]	4,3		
Rated capacity for cooling (Rated - min - max)		*Prated cooling*	[kW]	9,2	2,7	11,7
Rated capacity for heating (Rated - min - max)		*Prated heating*	[kW]	10,1	2,8	12,8
Rated power input for cooling (Rated - min - max)		*PEER*	[kW]	2,8	0,9	4,2
Rated power input for heating (Rated - min - max)		*PCOP*	[kW]	2,7	0,8	4,0
Rated Energy efficiency ratio		*EERrated*	-	3,25		
Rated Coefficient of performance		*COPrated*	-	3,75		
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 608 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 3080 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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