



Product Information Table

Brand Name	FERROLI		
	Indoor		Outdoor
Model name	U.I. DIAMANT 12		U.E. DIAMANT 12
Model Code	2CO9A02F		2CO9A21F
Declared SEER (energy label)	6.1		
Energy Efficiency class at cooling mode (according to NO 626/2011)	A++		
Declared SCOP (energy label)	4.0		
Energy Efficiency class at heating mode (according to NO 626/2011)	A+		
Annual energy consumption (kWh) in cooling mode (350 h/year)	201		
Function (indicate if present)	Climate application in Heating if applicable		
Cooling	Y	Average (mandatory)	Y
Heating	Y	Warmer (if designated)	Y
		Colder (if designated)	N

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Design load				Seasonal efficiency			
Cooling	Pdesigc	3.5	kW	Cooling	SEER	6.1	\
Heating /average	Pdesigh	2.3	kW	Heating /average	SCOP/A	4.0	\
Heating /warmer	Pdesigh	2.6	kW	Heating /warmer	SCOP/W	4.8	\
Heating /colder	Pdesigh	N.A.	kW	Heating /colder	SCOP/C	N.A.	\
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temp Tj				Declared efficiency ratio for cooling, at indoor temperature 27(19)°C and outdoor temp Tj			
Tj=35°C	Pdc	3.500	kW	Tj=35°C	EERd	2.92	\
Tj=30°C	Pdc	2.620	kW	Tj=30°C	EERd	4.47	\
Tj=25°C	Pdc	1.697	kW	Tj=25°C	EERd	7.22	\
Tj=20°C	Pdc	1.036	kW	Tj=20°C	EERd	11.91	\
Declared capacity for heating/Average, at indoor temperature 20°C and outdoor temp Tj				Declared coefficient of performance for heating/Average, at indoor temperature 20°C and outdoor temp Tj			
Tj=-7°C	Pdh	2.035	kW	Tj=-7°C	COPd	2.83	\
Tj=2°C	Pdh	1.280	kW	Tj=2°C	COPd	4.13	\
Tj=7°C	Pdh	0.840	kW	Tj=7°C	COPd	4.72	\
Tj=12°C	Pdh	0.660	kW	Tj=12°C	COPd	5.16	\
Tj=bivalent temp	Pdh	2.035	kW	Tj=bivalent temp	COPd	2.83	\
Tj=operating limit	Pdh	2.219	kW	Tj=operating limit	COPd	2.62	\
Declared capacity for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	2.601	kW	Tj=2°C	COPd	3.45	\
Tj=7°C	Pdh	1.835	kW	Tj=7°C	COPd	4.74	\
Tj=12°C	Pdh	0.827	kW	Tj=12°C	COPd	5.47	\
Tj=bivalent temp	Pdh	2.601	kW	Tj=bivalent temp	COPd	3.45	\
Tj=operating limit	Pdh	2.601	kW	Tj=operating limit	COPd	3.45	\
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	°C	heating/Average	Tol	-15	°C
heating/Warmer	Tbiv	2	°C	heating/Warmer	Tol	2	°C
Cycling interval capacity				Cycling interval efficiency			
Degradation coefficient cooling	Cdc	0.25	\	Degradation coefficient heating	Cdh	0.25	\
Electric power input in power mode other than "active mode"				Annual electricity consumption			
off mode	P _{OFF}	0.001	kW	Cooling	Q _{CE}	201	kWh/a
standby mode	P _{SB}	0.001	kW	Heating /average	Q _{HE}	805	kWh/a
thermostat-off mode	P _{TO}	0.023	kW	Heating /warmer	Q _{HE}	758	kWh/a
crankcase heater mode	P _{CK}	\	kW	Heating /colder	Q _{HE}	N.A.	kWh/a



Product Information Table

Capacity control		Other items			
fixed	N	Sound power level (indoor/outdoor)	LWA	53/65	dB(A)
staged	N	Global warming potential	GWP	675	Kg CO ₂ q.
variable	Y	Rated air flow (indoor/outdoor)	/	600 / 1700	m ³ /h
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