



Product Information Table

Brand Name	FERROLI		
	Indoor		Outdoor
Model name	2 x U.I. DIAMANT 9		U.E. DIAMANT 18-2
Model Code	2CO9A01F		2CO9AA0F
Declared SEER ( energy label)	6.1		
Energy Efficiency class at cooling mode ( according to NO 626/2011)	A++		
Declared SCOP ( energy label)	3.8		
Energy Efficiency class at heating mode ( according to NO 626/2011)	A		
Annual energy consumption (kWh) in cooling mode (350 h/year)	304		
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	5.3	kW	Cooling	SEER	6.1	\
Heating /average	Pdesigh	4.8	kW	Heating /average	SCOP/A	3.8	\
Heating /warmer	Pdesigh	4.9	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	5.370	kW	Tj=35°C	EERd	3.37	\
Tj=30°C	Pdc	3.930	kW	Tj=30°C	EERd	4.49	\
Tj=25°C	Pdc	2.314	kW	Tj=25°C	EERd	7.95	\
Tj=20°C	Pdc	1.035	kW	Tj=20°C	EERd	10.30	\
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	4.247	kW	Tj=-7°C	COPd	2.59	\
Tj=2°C	Pdh	2.676	kW	Tj=2°C	COPd	3.80	\
Tj=7°C	Pdh	1.758	kW	Tj=7°C	COPd	4.77	\
Tj=12°C	Pdh	1.916	kW	Tj=12°C	COPd	5.89	\
Tj=bivalent temp	Pdh	4.247	kW	Tj=bivalent temp	COPd	2.59	\
Tj=operating limit	Pdh	3.847	kW	Tj=operating limit	COPd	2.41	\
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	4,901	kW	Tj=2°C	COPd	2,90	\
Tj=7°C	Pdh	3,185	kW	Tj=7°C	COPd	4,81	\
Tj=12°C	Pdh	1,407	kW	Tj=12°C	COPd	5,47	\
Tj=bivalent temp	Pdh	4,901	kW	Tj=bivalent temp	COPd	2,90	\
Tj=operating limit	Pdh	4,901	kW	Tj=operating limit	COPd	2,90	\
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 <sub>OFF</sub>	0.010	kW	Cooling	Q <sub>CE</sub>	304	kWh/a
standby mode	P <sub>SB</sub>	0.010	kW	Heating /average	Q <sub>HE</sub>	1768	kWh/a
thermostat-off mode	P <sub>TO</sub>	0.052	kW	Heating /warmer	Q <sub>HE</sub>	1430	kWh/a
crankcase heater mode	P <sub>CK</sub>	\	kW	Heating /colder	Q <sub>HE</sub>	N.A.	kWh/a



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Capacity control		Other items			
fixed	N	Sound power level (indoor/outdoor)	LWA	54/64	dB(A)
staged	N	Global warming potential	GWP	675	Kg CO <sub>2</sub> q.
variable	Y	Rated air flow (indoor/outdoor)	/	520 / 2200	m <sup>3</sup> /h
Contact detail to obtain more information			Ferroli S.p.A Via Ritonda 78/A 37047 San Bonifacio (VR) Italy <a href="http://www.ferroli.com">www.ferroli.com</a>		