



Product Information Table

Brand Name	FERROLI		
	Indoor		Outdoor
Model name	U.I. DIAMANT 9		U.E. DIAMANT 9
Model Code	2CO9A01F		2CO9A20F
Declared SEER (energy label)	6.2		
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)	147		
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	Pdesignc	2.6	kW	Cooling	SEER	6.2	\
Heating /average	Pdesignh	2.1	kW	Heating /average	SCOP/A	4.0	\
Heating /warmer	Pdesignh	2.6	kW	Heating /warmer	SCOP/W	4.8	\
Heating /colder	Pdesignh	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	2.600	kW	Tj=35°C	EERd	3.57	\
Tj=30°C	Pdc	1.971	kW	Tj=30°C	EERd	5.12	\
Tj=25°C	Pdc	1.300	kW	Tj=25°C	EERd	7.39	\
Tj=20°C	Pdc	1.100	kW	Tj=20°C	EERd	10.00	\
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	1.858	kW	Tj=-7°C	COPd	2.95	\
Tj=2°C	Pdh	1.200	kW	Tj=2°C	COPd	4.12	\
Tj=7°C	Pdh	0.762	kW	Tj=7°C	COPd	4.56	\
Tj=12°C	Pdh	0.730	kW	Tj=12°C	COPd	5.57	\
Tj=bivalent temp	Pdh	1.858	kW	Tj=bivalent temp	COPd	2.95	\
Tj=operating limit	Pdh	1.790	kW	Tj=operating limit	COPd	2.92	\
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	2.604	kW	Tj=2°C	COPd	3.05	\
Tj=7°C	Pdh	1.710	kW	Tj=7°C	COPd	4.76	\
Tj=12°C	Pdh	0.857	kW	Tj=12°C	COPd	5.60	\
Tj=bivalent temp	Pdh	2.604	kW	Tj=bivalent temp	COPd	3.05	\
Tj=operating limit	Pdh	2.604	kW	Tj=operating limit	COPd	3.05	\
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}	147	kWh/a
standby mode	P _{SB}	0.001	kW	Heating /average	Q _{HE}	735	kWh/a
thermostat-off mode	P _{TO}	0.021	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	53/61	dB(A)
staged	N	Global warming potential	GWP	675	Kg CO ₂ q.
variable	Y	Rated air flow (indoor/outdoor)	/	520 / 1700	m ³ /h
Contact detail to obtain more information			Ferroli S.p.A Via Ritonda 78/A 37047 San Bonifacio (VR) Italy www.ferroli.com		