



Product Information Table

Brand Name	FERROLI		
	Indoor		Outdoor
Model name	U.I. DIAMANT 18		U.E. DIAMANT 18
Model Code	2CO9A03F		2CO9A22F
Declared SEER (energy label)	7.1		
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)	256		
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	5.2	kW	Cooling	SEER	7.1	\
Heating /average	Pdesigh	4.1	kW	Heating /average	SCOP/A	4.0	\
Heating /warmer	Pdesigh	4.5	kW	Heating /warmer	SCOP/W	5.2	\
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	5.200	kW	Tj=35°C	EERd	3.47	\
Tj=30°C	Pdc	3.733	kW	Tj=30°C	EERd	5.18	\
Tj=25°C	Pdc	2.064	kW	Tj=25°C	EERd	8.32	\
Tj=20°C	Pdc	2.148	kW	Tj=20°C	EERd	13.59	\
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	3.627	kW	Tj=-7°C	COPd	2.75	\
Tj=2°C	Pdh	2.318	kW	Tj=2°C	COPd	3.87	\
Tj=7°C	Pdh	1.517	kW	Tj=7°C	COPd	5.06	\
Tj=12°C	Pdh	1.493	kW	Tj=12°C	COPd	6.33	\
Tj=bivalent temp	Pdh	3.627	kW	Tj=bivalent temp	COPd	2.75	\
Tj=operating limit	Pdh	4.099	kW	Tj=operating limit	COPd	2.73	\
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	4.561	kW	Tj=2°C	COPd	2,88	\
Tj=7°C	Pdh	3,048	kW	Tj=7°C	COPd	4,81	\
Tj=12°C	Pdh	1,687	kW	Tj=12°C	COPd	6,72	\
Tj=bivalent temp	Pdh	4,561	kW	Tj=bivalent temp	COPd	2,88	\
Tj=operating limit	Pdh	4,561	kW	Tj=operating limit	COPd	2,88	\
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}	256	kWh/a
standby mode	P _{SB}	0.001	kW	Heating /average	Q _{HE}	1435	kWh/a
thermostat-off mode	P _{TO}	0.013	kW	Heating /warmer	Q _{HE}	1212	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	55/61	dB(A)
staged	N	Global warming potential	GWP	675	Kg CO ₂ q.
variable	Y	Rated air flow (indoor/outdoor)	/	840 / 2000	m ³ /h
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