Model name

F09MT U24 (Outdoor unit) / F09MT NSM (Indoor unit)

Function (indicate if present)				
cooling heating	Υ			
haatina	V			

If the function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.

Average (mandatory)	Υ
Warmer (if designated)	N
Colder (if designated)	N

Item	symbol	value un	it
Design load			
cooling	Pdesignc	2,5 kW	1
heating / Average	Pdesignh	3,7 kW	1
heating / Warmer	Pdesignh	x,x kW	/
heating / Colder	Pdesignh	x,x kW	1

Declared capacity* for cooling, at indoor temperature

Pdc

Pdc

Pdc

Pdc

27(19)°C and outdoor temperature Tj

Tj=35°C

Tj=30°C

Tj=25°C

Tj=20°C

Tj=2°C

Tj=7°C

Tj=12°C

Item	symbol ^{valu} unit

Seasonal efficiency		
cooling	SEER	9,4 -
heating / Average	SCOP/A	5,1 -
heating / Warmer	SCOP/W	х,х -
heating / Colder	SCOP/C	х,х -

	symbol	value	unit	Item	sy
ın load				Seasonal efficiency	1
g	Pdesignc	2,5	kW	cooling	SI
ıg / Average	Pdesignh	3,7	kW	heating / Average	S
ıg / Warmer	Pdesignh	x,x	kW	heating / Warmer	S
ig / Colder	Pdesignh	x,x	kW	heating / Colder	S

2,50 kW

1,85 kW

1,23 kW

1,10 kW

kW

kW

kW

kW

kW

Declared Energy efficiency ratio* for cooling, at indoor
emperature 27(19)°C and outdoor temperature Ti

Tj=35°C	EERd	5,10 -
Tj=30°C	EERd	7,59 -
Tj=25°C	EERd	10,80 -
Tj=20°C	EERd	18,10 -

Declared capacity* for heating / Average climate	, at
ndoor temperature 20°C and outdoor temperature T	

Tj=-7°C	Pdh	3,28	kW
Tj=2°C	Pdh	1,99	kW
Tj=7°C	Pdh	1,29	kW
Tj=12°C	Pdh	0,88	kW
Tj=bivalent temperature	Pdh	3,70	kW
Tj=operating limit	Pdh	3,70	kW

Declared capacity* for heating / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj

Pdh

Pdh

Pdh

Pdh

Pdh

Declared	Coeffici	ent	of	perf	formance*	for	heati	ng /
Average	climate,	at	inc	loor	temperatu	ıre	20°C	and
outdoor te	emperatu	re 7	Γj		•			

Tj=-7°C	COPd	3,04 -
Tj=2°C	COPd	5,19 -
Tj=7°C	COPd	6,55 -
Tj=12°C	COPd	7,90 -
Tj=bivalent temperature	COPd	2,48 -
Tj=operating limit	COPd	2,48 -

Declared	C	Coefficie	nt	of	perfor	mance	* /	Warmer
climate,	at	indoor	ter	mpe	rature	20°C	and	outdoor
temperati	ure	Ti						

Tj=2°C Tj=7°C	COPd	х,х -
Tj=7°C	COPd	х,х -
Tj=12°C	COPd	х,х -
Tj=bivalent temperature	COPd	x,x -
Tj=operating limit	COPd	x,x -

Declared capacity* for heating / Colder climate, at indoor temperature 20°C and outdoor temperature Tj					
Tj=-7°C	Pdh	x,x	kW		
Tj=2°C	Pdh	x,x	kW		
Ti=7°C	Pdh	v v	k\//		

I J = -1 C	i uii	^,^	IX V V
Tj=2°C	Pdh	x,x	kW
Tj=7°C	Pdh	x,x	kW
Tj=12°C	Pdh	x,x	kW
Tj=bivalent temperature	Pdh	x,x	kW
Tj=operating limit	Pdh	x,x	kW
Tj=-15°C	Pdh	x,x	kW

Bivalent temperature			
heating / Average	Tbiv	-10	°C
heating / Warmer	Tbiv	х	°C
heating / Colder	Tbiv	х	°C

Cycling interval capacity				
for cooling	Pcycc	x,x	kW	
for heating	Pcych	x,x	kW	

Degradation cooling**	co-efficient Cdc	0,25	-
		-	

Electric power input mode'	in power modes of	her tha	n 'acti
off mode	P_{OFF}	0.001	kW

standby mode	P_{SB}	0,001	kW
thermostat-off mode	P_{TO}	0,013	kW
crankcase heater mode	P _{CK}	0	kW

Capacity control (indicate one of three options)					
	fixed	N			
	staged	N			
	variable	Υ			

Declared	Coeffic	cient	of	perfo	rmanc	e* /	Colde
climate, a	at indoo	r te	mpe	rature	20°C	and	outdoo
temperatu	re Ti						

temperature 1j		
Tj=-7°C	COPd	x,x -
Tj=2°C	COPd	x,x -
Tj=7°C	COPd	x,x -
Tj=12°C	COPd	x,x -
Tj=bivalent temperature	COPd	x,x -
Tj=operating limit	COPd	x,x -
Tj=-15°C	COPd	x,x -

Operating limit temperature			
heating / Average	Tol	-10 °C	
heating / Warmer	Tol	x °C	
heating / Colder	Tol	x °C	

Cycling interval efficiency			
for cooling	EERcyc	x,x	-
for heating	COPcyc	x,x	-

Degradation heating**	co-efficient Cdh	0,25	-

cooling	Q _{CE}	93	kWh/a
heating / Average	Q_{HE}	1016	kWh/a
heating / Warmer	\mathbf{Q}_{HE}	XX	kWh/a
heating / Colder	\mathbf{Q}_{HE}	xx	kWh/a

Other items			
Sound power level (indoor/outdoor)	L_WA	60 / 65	dB(A)
Global warming potential	GWP	675	kgCO 2 eq.
Rated air flow (indoor/outdoor)	-	858 /2940	m3/h

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Tj=bivalent temperature

Tj=operating limit

^{*=} For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section "Declared capacity of the unit" and "declared EER/COP" of the unit.

^{**=} If default Cd=0.25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

Model name

F12MT U24 (Outdoor unit) / F12MT NSM (Indoor unit)

Function (indicate if present)			
cooling	Υ		
heating			

If the function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.

Average (mandatory)	Υ
Warmer (if designated)	N
Colder (if designated)	N

item	symbol	value	unit
Design load			
cooling	Pdesignc	3,5	kW
heating / Average	Pdesignh	3,8	kW
heating / Warmer	Pdesignh	x,x	kW

Item	symbol	valu e	unit

Seasonal efficiency		
cooling	SEER	9,1 -
heating / Average	SCOP/A	5,1 -
heating / Warmer	SCOP/W	х,х -
heating / Colder	SCOP/C	х,х -

heating / Colder	Pdesignh	x,x	kW	
Declared capacity* for	cooling, at indo	or tem	perature	

Declared Energy efficiency ratio* for cooling, at indoor temperature 27(19)°C and outdoor temperature Ti

Tj=35°C	EERd	4,20 -
Tj=30°C	EERd	6,90 -
Tj=25°C	EERd	10,62 -
Tj=20°C	EERd	18,10 -

Tj=30°C	Pdc	2,58	kW
Tj=25°C	Pdc	1,66	kW
Tj=20°C	Pdc	1,10	kW

Declared capacity* for heating / Average climate, at

indoor temperature 20°C and outdoor temperature Td

3,50 kW

kW

kW

kW

kW

kW

27(19)°C and outdoor temperature Ti

Tj=35°C

Tj=2°C

Tj=7°C

Tj=12°C

Declared Coefficient of performance* for heating / Average climate, at indoor temperature 20°C and

outdoor terriperature 1)			
Tj=-7°C	COPd	3,04	-
Tj=2°C	COPd	5,19	-
Tj=7°C	COPd	6,55	-
Tj=12°C	COPd	7,90	-
Tj=bivalent temperature	COPd	2,48	-
Tj=operating limit	COPd	2,48	-

Tj=-7°C	Pdh	3,37 k\	Ν
Tj=2°C	Pdh	2,05 k\	N
Tj=7°C	Pdh	1,32 k\	N
Tj=12°C	Pdh	0,88 k\	N
Tj=bivalent temperature	Pdh	3,80 k\	N
Tj=operating limit	Pdh	3,80 k\	N
		•	

Pdh

Pdh

Pdh

Pdh

Pdh

, ,		
Tj=2°C	COPd	х,х -
Tj=7°C	COPd	x,x -
Tj=12°C	COPd	x,x -
Tj=bivalent temperature	COPd	х,х -
Tj=operating limit	COPd	x,x -

Declared capacity* for heating / Warmer climate, at indoor temperature 20°C and outdoor temperature Tj
--

temperature Tj			
Tj=2°C	COPd	x,x	-
Tj=7°C	COPd	x,x	-
Tj=12°C	COPd	x,x	-
Tj=bivalent temperature	COPd	x,x	-
Tj=operating limit	COPd	x,x	-

Declared capacity* for indoor temperature 20°C			
Tj=-7°C	Pdh	x,x	kW
Tj=2°C	Pdh	x,x	kW
Tj=7°C	Pdh	x,x	kW
Tj=12°C	Pdh	x,x	kW
Tj=bivalent temperature	Pdh	x,x	kW
Tj=operating limit	Pdh	x,x	kW
Tj=-15°C	Pdh	x,x	kW

climate, at indoor tem	perature 20°C	and	outdoo
temperature Tj			
Tj=-7°C	COPd	x,x	-
Tj=2°C	COPd	x,x	-
Tj=7°C	COPd	x,x	_
Tj=12°C	COPd	x,x	-
Tj=bivalent temperature	COPd	x,x	-
Tj=operating limit	COPd	x,x	_
Tj=-15°C	COPd	x,x	-

Declared Coefficient of performance*

Operating limit temperature

Cycling interval efficiency

Bivalent temperature				
heating / Average	Tbiv	-10	°C	_
heating / Warmer	Tbiv	х	°C	
heating / Colder	Tbiv	х	°C	

- F			
heating / Average	Tol	-10	°C
heating / Warmer	Tol	x	°C
heating / Colder	Tol	x	°C

Cycling interval capacity			
for cooling	Pcycc	x,x	kW
for heating	Pcych	x,x	kW

co-efficient Cdc

for cooling	EERcyc x,x -	
for heating	COPcyc x,x -	

oooning					
Electric power input in power modes mode'	s ot	her	tha	n 'a	ctive

Degradation

Degradation heating**	co-efficient Cdh	0,25	-

mode'			
off mode	P_{OFF}	0.001 kW	
standby mode	$P_{\mathtt{SB}}$	0,001 kW	
thermostat-off mode	P_{TO}	0,013 kW	
crankcase heater mode	Pck	0 kW	

heating**	Cuii	0,23	
Annual electricity consumption	1		

f mode	P _{OFF}	0.001	kW
andby mode	P_{SB}	0,001	kW
ermostat-off mode	P_{TO}	0,013	kW
ankcase heater mode	P _{ck}	0	kW

Turidar crocuroity corroampaon			
cooling	Q _{CE}	135	kWh/a
heating / Average	Q_{HE}	1043	kWh/a
heating / Warmer	Q_{HE}	xx	kWh/a
heating / Colder	Q_{HE}	xx	kWh/a

Capacity control (indicate one of three options)			
fixed	N		
staged	N		
variable	Y		

L _{wa}	60 / 65	dB(A)
GWP	675	kgCO 2 eq.
-	858 /2940	m3/h
	GWP	GWP 675

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Tj=bivalent temperature

Tj=operating limit

^{*=} For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section "Declared capacity of the unit" and "declared EER/COP" of the unit.

^{**=} If default Cd=0.25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.