

SMA-12HRDN1C							
Function							
Cooling	YES	Average Zone				YES	
Heating	YES	Warmer Zone				-	
		Colder Zone				-	
Design load				Seasonal efficiency			
Cooling	Pdc	3.2	Kw	Cooling	SEER	5.7	Kw
Heating/Average Zone	Pdc	2.5	Kw	Heating/Average Zone	SCOP/A	3.8	Kw
Heating/Warmer Zone	Pdc	/	Kw	Heating/Warmer Zone	SCOP/W	/	Kw
Heating/Colder Zone	Pdc	/	Kw	Heating/Colder Zone	SCOP/C	/	Kw
Cooling							
Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio,at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°	Pdc	3.19	Kw	Tj=35°	EERd	3.17	
Tj=30°	Pdc	2.32	Kw	Tj=30°	EERd	4.48	
Tj=25°	Pdc	1.51	Kw	Tj=25°	EERd	7.13	
Tj=20°	Pdc	1.31	Kw	Tj=20°	EERd	9.67	
Heating							
Declared capacity for cooling at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio,at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=-7°	Pdc	2.32	Kw	Tj=-7°	COPd	2.82	
Tj=2°	Pdc	1.34	Kw	Tj=2°	COPd	3.72	
Tj=7°	Pdc	1.02	Kw	Tj=7°	COPd	4.67	
Tj=12°	Pdc	1.16	Kw	Tj=12°	COPd	5.79	
Tj=bivalent temperature	Pdc	2.32	Kw	Tj=bivalent temperature	Tj=bivalen	COPd	2.82
Tj=operation limit	Pdc	2.23	Kw	Tj=operation limit	Tj=operati	COPd	2.54
Bivalent temperature				Operation limit temperature			
Heating/Average Zone	Tbiv	-7	°C	Heating/Average Zone	Tbiv	-15	°C
Heating/Warmer Zone	Tbiv	/	°C	Heating/Warmer Zone	Tbiv	/	°C
Electric power input in power modes other than active mode				Annual electricity consumption			
off mode	Poff	0	Kw	Cooling	Qct	196	KWh/a
Standby mode	Pss	0.001	Kw	Heating/Average Zone	Qhe	920	KWh/a
Thermostat off mode	Pto	0.042	Kw	Heating/Warmer Zone	Qhe	/	KWh/a
Crankcase heater mode	Psk	0	Kw	Heating/Colder Zone	Qhe	/	KWh/a
Capacity control				Annual electricity consumption			
	symbol	vale	unit		symbol	vale	unit
fixed	-			Sound power level(indoor/outdoor)	Lwa	39/52	dB(A)
staged	-			Global warming potential	GWP	2088	kgCO2eq.
variable	YES			Rated air flow(indoor unit)	—	550	m <sup>3</sup> /h
				Rated air flow(outdoor unit)	—	/	m <sup>3</sup> /h