MODEL				MV-E18BI + MV-H09BIF 2x			
FUNCTION				**FUNCTION**			
Cooling	Yes			Average season	Yes		
Heating	Yes			Warmer season	No		
				Colder season	No		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	Pdesignc	5,2	kW	Cooling	SEER	6,1	- -
Heating / Average	Pdesignh	3,8	kW	Heating / Average	SCOP/A	4,0	- -
Heating / Warmer	Pdesignh	-	kW	Heating / Warmer	SCOP/W	-	- -
Heating / Colder	Pdesignh	-	kW	Heating / Colder	SCOP/C	-	- -
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			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 35 °C	Pdc	5,23	kW	Tj = 35 °C	EERd	3,29	- -
Tj = 30 °C	Pdc	3,86	kW	Tj = 30 °C	EERd	4,37	- -
Tj = 25 °C	Pdc	2,48	kW	Tj = 25 °C	EERd	7,51	- -
Tj = 20 °C	Pdc	1,63	kW	Tj = 20 °C	EERd	12,83	- -
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = - 7 °C	Pdh	3,45	kW	Tj = - 7 °C	COPd	3,08	- -
Tj = 2 °C	Pdh	2,09	kW	Tj = 2 °C	COPd	4,12	- -
Tj = 7 °C	Pdh	1,34	kW	Tj = 7 °C	COPd	4,25	- -
Tj = 12 °C	Pdh	1,26	kW	Tj = 12 °C	COPd	6,11	- -
Tj = bivalent temperature	Pdh	3,05	kW	Tj = bivalent temperature	COPd	2,79	- -
Tj = operating limit	Pdh	3,45	kW	Tj = operating limit	COPd	3,08	- -
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			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 2 °C	Pdh	-	kW	Tj = 2 °C	COPd	-	- -
Tj = 7 °C	Pdh	-	kW	Tj = 7 °C	COPd	-	- -
Tj = 12 °C	Pdh	-	kW	Tj = 12 °C	COPd	-	- -
Tj = bivalent temperature	Pdh	-	kW	Tj = bivalent temperature	COPd	-	- -
Tj = operating limit	Pdh	-	kW	Tj = operating limit	COPd	-	- -
Declared capacity for heating / Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	- -
Tj = 2 °C	Pdh	-	kW	Tj = 2 °C	COPd	-	- -
Tj = 7 °C	Pdh	-	kW	Tj = 7 °C	COPd	-	- -
Tj = 12 °C	Pdh	-	kW	Tj = 12 °C	COPd	-	- -
Tj = bivalent temperature	Pdh	-	kW	Tj = bivalent temperature	COPd	-	- -
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	- -
Bivalent temperature				Operating limit temperature			
Item	symbol	value	unit	Item	symbol	value	unit
Heating / Average	Tbiv	-7	°C	Heating / Average	Tol	-10	°C
Heating / Warmer	Tbiv	-	°C	Heating / Warmer	Tol	-	°C
Heating / Colder	Tbiv	-	°C	Heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
For cooling	Pcycc	x,x	kW	For cooling	EERcyc	x,x	- -
For heating	Pcych	x,x	kW	For heating	COPcyc	x,x	- -
Degradation co-efficient cooling	Cdc	x,x	- -	Degradation co-efficient heating	Cdh	x,x	- -
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P_{OFF}	0,009198	kW	Cooling	Q_{CE}	298	kWh/a
Standby mode	P_{SB}	0,009198	kW	Heating / Average	Q_{HE}	1330	kWh/a
Thermostat-off mode	P_{TO}	0,004283/,0,008314	kW	Heating / Warmer	Q_{HE}	-	kWh/a
Crankcase heater mode	P_{CK}	0,000	kW	Heating / Colder	Q_{HE}	-	kWh/a
Capacity control				Other items	symbol	value	unit
Fixed	No			Sound power level (indoor/outdoor)	L_{WA}	55/65	dB(A)
Staged	No			Global warming potential	GWP	675	$kgCO_2$ eq.
Variable	Yes			Rated air flow (indoor/outdoor)	- -	560/2600	m^3 / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK Representive: SINCLAIR EUROPE spol. s r.o., Purkynova 45, 612 00 Brno, CZ			
Contact details for obtaining more information				info@sinclair-solutions.com / www.sinclair-solutions.com			

* R32 (100% HFC-32)

* Device contains fluorinated greenhouse gases covered by the Kyoto Protocol.

MODEL				MV-E18BI + MV-H07BIF, MV-H09BIF			
FUNCTION				**FUNCTION**			
Cooling	Yes			Average season	Yes		
Heating	Yes			Warmer season	No		
				Colder season	No		
Design load				Seasonal efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
Cooling	Pdesignc	5,2	kW	Cooling	SEER	6,1	- -
Heating / Average	Pdesignh	3,8	kW	Heating / Average	SCOP/A	4,0	- -
Heating / Warmer	Pdesignh	-	kW	Heating / Warmer	SCOP/W	-	- -
Heating / Colder	Pdesignh	-	kW	Heating / Colder	SCOP/C	-	- -
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			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 35 °C	Pdc	5,24	kW	Tj = 35 °C	EERd	3,25	- -
Tj = 30 °C	Pdc	3,89	kW	Tj = 30 °C	EERd	4,32	- -
Tj = 25 °C	Pdc	2,65	kW	Tj = 25 °C	EERd	7,44	- -
Tj = 20 °C	Pdc	1,46	kW	Tj = 20 °C	EERd	12,54	- -
Declared capacity for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = - 7 °C	Pdh	3,36	kW	Tj = - 7 °C	COPd	2,84	- -
Tj = 2 °C	Pdh	2,06	kW	Tj = 2 °C	COPd	4,13	- -
Tj = 7 °C	Pdh	1,38	kW	Tj = 7 °C	COPd	4,59	- -
Tj = 12 °C	Pdh	0,93	kW	Tj = 12 °C	COPd	5,61	- -
Tj = bivalent temperature	Pdh	2,79	kW	Tj = bivalent temperature	COPd	2,53	- -
Tj = operating limit	Pdh	3,36	kW	Tj = operating limit	COPd	2,84	- -
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			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = 2 °C	Pdh	-	kW	Tj = 2 °C	COPd	-	- -
Tj = 7 °C	Pdh	-	kW	Tj = 7 °C	COPd	-	- -
Tj = 12 °C	Pdh	-	kW	Tj = 12 °C	COPd	-	- -
Tj = bivalent temperature	Pdh	-	kW	Tj = bivalent temperature	COPd	-	- -
Tj = operating limit	Pdh	-	kW	Tj = operating limit	COPd	-	- -
Declared capacity for heating / Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Item	symbol	value	unit	Item	symbol	value	unit
Tj = - 7 °C	Pdh	-	kW	Tj = - 7 °C	COPd	-	- -
Tj = 2 °C	Pdh	-	kW	Tj = 2 °C	COPd	-	- -
Tj = 7 °C	Pdh	-	kW	Tj = 7 °C	COPd	-	- -
Tj = 12 °C	Pdh	-	kW	Tj = 12 °C	COPd	-	- -
Tj = bivalent temperature	Pdh	-	kW	Tj = bivalent temperature	COPd	-	- -
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	- -
Bivalent temperature				Operating limit temperature			
Item	symbol	value	unit	Item	symbol	value	unit
Heating / Average	Tbiv	-7	°C	Heating / Average	Tol	-10	°C
Heating / Warmer	Tbiv	-	°C	Heating / Warmer	Tol	-	°C
Heating / Colder	Tbiv	-	°C	Heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
Item	symbol	value	unit	Item	symbol	value	unit
For cooling	Pcycc	x,x	kW	For cooling	EERcyc	x,x	- -
For heating	Pcych	x,x	kW	For heating	COPcyc	x,x	- -
Degradation co-efficient cooling	Cdc	x,x	- -	Degradation co-efficient heating	Cdh	x,x	- -
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off mode	P_{OFF}	0,0083122	kW	Cooling	Q_{CE}	298	kWh/a
Standby mode	P_{SB}	0,0083122	kW	Heating / Average	Q_{HE}	1330	kWh/a
Thermostat-off mode	P_{TO}	0,0031362/0,018415	kW	Heating / Warmer	Q_{HE}	-	kWh/a
Crankcase heater mode	P_{CK}	0,000	kW	Heating / Colder	Q_{HE}	-	kWh/a
Capacity control				Other items	symbol	value	unit
Fixed	No			Sound power level (indoor/outdoor)	L_{WA}	55/65	dB(A)
Staged	No			Global warming potential	GWP	675	$kgCO_2$ eq.
Variable	Yes			Rated air flow (indoor/outdoor)	- -	560/2600	m^3 / h
Name and address of the manufacturer or of its authorised representative.				Manufacturer: SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK Representive: SINCLAIR EUROPE spol. s r.o., Purkynova 45, 612 00 Brno, CZ			
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