Model(s): SDV5-280EAM; Test matching indoor units form, Duct: 4×SDV5-71DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of cor	mpressor:el	ectric motor						
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	28	kW		Seasonal space cooling energy efficiency	η _{s,c}	221.2	%
Declared cooling capac T _j and in	ity for part lo idoor 27/19	oad at given ℃(dry/wet t	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor t	n efficiency temperatur	//auxiliary es T _j
T _j =+35℃	P _{dc}	28	kW		Tj=+35℃	EERd	3.26	
T _j =+30℃	P _{dc}	19.137	kW		Tj =+30 ℃	EER _d	4.50	
T _j =+25℃	P _{dc}	13.246	kW		Tj=+25℃	EER _d	6.40	
Tj=+20℃	P _{dc}	6.688	kW		Tj =+20 ℃	EERd	11.41	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	-					
		F	Power consumption in	modes of	ther than "active mode"		<u> </u>	1
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	—	10500	m³/h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lte	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com		
(*)If C _{dc} is not determine	d by measu	rement then	the default degradatio	n coeffici	ent of heat pumps shall be 0.25			

Model(s): SDV5-280EA	M; nito form F	Nuct. 4x8DV						
Outdoor side heat exchange	nus iorm, L	conditioner:ai	'5-7 IDHA; r					
Indoor side heat exchange	er of air co	nditioner:air	·					
Idication if the heater is e	quipped wit	th a suppleme	entary heater:no					
If applicable:driver of con	npressor:ele	ectric motor	-					
Parameters shall be decl	ared for the	average hea	ating season,parameter	rs for the v	warmer and colder heating sease	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	28	kW		Seasonal space heating energy efficiency	η _{s,h}	134.6	%
Declared heating capac or	ity for part I utdoor temp	oad at indoor peratures T _j	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem	f performance or ga factor for part load a peratures T _j	s utilisation at given ou	n Itdoor
T _j =−7°C	P _{dh}	17.176	kW		Tj=−7°C	COPd	2.32	
T _j =+2℃	P _{dh}	11.706	kW		Tj=+2℃	COPd	3.45	
T _j =+7℃	P _{dh}	7.071	kW		Tj=+7℃	COPd	4.50	
T _j =+12°C	P _{dh}	4.381	kW		T _j =+12℃	COPd	5.15	
T _{biv} =bivalent temperature	P _{dh}	17.176	kW		T _{biv} =bivalent temperature	COPd	2.32	
T _{OL} =operation temperature	P _{dh}	19.313	kW		T _{OL} =operation temperature	COPd	1.89	
Bivalent temperature	T _{biv}	-7	°					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-					
Power consumption in m	odes other	than "active r	node"		Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	P _{CK}	0.124	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	s			
Capacity control		varia	ible		For air-to-air heat pump:air flow rate,outdoor measured	-	10500	m³/h
Sound power level,outdoor	L _{WA}	78	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	UK; info@	@sinclair-solutions.com / www.	sinclair-solutions.co	m	
(*)								
(**)If C _{dh} is not determine	d by measu	urement then	the default degradation	n coefficie	nt of heat pumps shall be 0.25			

Model(s): SDV5-335EAM; Test matching indoor units form, Duct: 6×SDV5-56DA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

- FF	P							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	33.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	204.7	%
Declared cooling capaci T _j and in	ity for part l idoor 27/19	oad at given ℃(dry/wet l	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor t	n efficiency temperatur	//auxiliary es T _j
Tj =+35 ℃	P _{dc}	33.5	kW		Tj=+35℃	EERd	2.57	
Tj =+30 ℃	P _{dc}	23.276	kW		Tj=+30℃	EERd	4.17	
T _j =+25℃	P _{dc}	15.186	kW		Tj =+25 ℃	EER _d	6.65	
T _j =+20℃	P _{dc}	8.719	kW		Tj=+20℃	EERd	8.62	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	-					
	1		Power consumption in	modes of	ther than "active mode"		.1	1
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	Рск	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	11000	m³/h
Sound power level,outdoor	L _{WA}	81	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	©sinclair-	solutions.com / www.sinclair-so	olutions.com	.1	1
(*)If Cdc is not determined	d by measu	rement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25			
Where information relate	es to multi-s	plit air condit	ioners.the test result a	nd perfor	mance data may be obtained or	the basis of perfo	rmance of	the

Model(s):SDV5-335EAI Test matching indoor up	VI; nits form, D	uct: 6×SDV	5-56DA;				
Outdoor side heat excha	nger of air o	conditioner:air					
Indoor side heat exchang	ger of air co	nditioner:air					
Idication if the heater is e	equipped wi	th a suppleme	entary heater:no				
If applicable:driver of cor	npressor:el	ectric motor					
Parameters shall be decl	ared for the	e average hea	ting season,paramete	s for the warmer and colder heating sea	soms are optional		
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	33.5	kW	Seasonal space heating energy efficiency	η _{s,h}	133.4	%
Declared heating capac o	ity for part utdoor temp	load at indoor peratures T _j	teperature 20℃ and	Declared coefficient efficiency/auxiliary energy te	of performance or ga / factor for part load mperatures T _j	as utilisatio at given ou	n utdoor
Tj=-7℃	P _{dh}	17.346	kW	Tj=-7℃	COPd	2.44	
T _j =+2°C	P _{dh}	10.544	kW	Tj=+2℃	COPd	3.24	
T _j =+7℃	P _{dh}	7.080	kW	Tj=+7℃	COPd	4.49	
T _j =+12℃	P _{dh}	5.589	kW	Tj=+12℃	COPd	4.99	
T _{biv} =bivalent temperature	P _{dh}	17.346	kW	T _{biv} =bivalent temperature	COPd	2.44	
T _{OL} =operation temperature	P _{dh}	19.730	kW	T _{OL} =operation temperature	COPd	2.34	
Bivalent temperature	T _{biv}	-7	°				
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25					
Power consumption in m	odes other	than "active n	node"	Supp	lementary heater		
Off mode	P _{OFF}	0.064	kW	Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input			
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode	P _{SB}	0.064	kW
			(Other items			
Capacity control variable				For air-to-air heat pump:air flow rate,outdoor measured		11000	m³/h
Sound power level,outdoor	L _{WA}	81	dB				

 GWP of the refrigerant
 2088
 kg CO_{2 eq}(100years)
 Image: Contact details
 SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK; info@sinclair-solutions.com / www.sinclair-solutions.com

(*)

(**)If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Model(s):SDV5-400EAM; Test matching indoor units form, Duct: 2×SDV5-56DA+4×SDV5-71DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	40	kW		Seasonal space cooling energy efficiency	η _{s,c}	197.8	%
Declared cooling capaci T _j and in	ity for part l door 27/19	oad at given ℃ (dry/wet b	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor t	n efficiency temperatur	ı∕auxiliary œs T _j
Tj=+35℃	P _{dc}	40	kW		Tj=+35℃	EER _d	2.65	
Tj =+30 ℃	P _{dc}	29.504	kW		Tj=+30℃	EERd	4.11	
T _j =+25℃	P _{dc}	18.187	kW		Tj=+25℃	EER _d	5.86	
T _j =+20℃	P _{dc}	9.939	kW		Tj =+20 ℃	EERd	8.72	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
	•	F	Power consumption in	modes of	ther than "active mode"		•	
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	Рск	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L _{WA}	85	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	©sinclair-	solutions.com / www.sinclair-so	olutions.com	•	
(*)If C _{dc} is not determine	d by measu	rement then	the default degradation	n coefficie	ent of heat pumps shall be 0.25			
Where information relate	s to multi-s	plit air condit	ioners,the test result a	nd perfor	mance data may be obtained on	the basis of perfo	rmance of	the

outdoor unit ,with a combination of indoor unit(s) recommended by the manufacturer or importer

Symbol

 $\eta_{s,h}$

Value

139.0

Unit

%

Information requirements for heat pumps

Model(s):SDV5-400EAM; Test matching indoor units form, Duct: 2×SDV5-56DA+4×SDV5-71DHA; Outdoor side heat exchanger of air conditioner:air Indoor side heat exchanger of air conditioner:air Idication if the heater is equipped with a supplementary heater:no If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional Symbol Value Unit Item Item Seasonal space heating Rated heating capacity P_{rated,h} kW 40 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20°C and

	utdoor tem	peratures T _j			efficiency/auxiliary energy ten	factor for part load a peratures T _j	at given ou	itdoor
Tj=−7°C	P _{dh}	25.931	kW		Tj=-7℃	COPd	2.54	
T _j =+2°C	P _{dh}	15.791	kW		Tj=+2℃	COP _d	3.36	
T _j =+7℃	P _{dh}	10.318	kW		Tj=+7℃	COPd	4.66	
T _j =+12℃	P _{dh}	9.548	kW		Tj=+12℃	COPd	5.49	
T _{biv} =bivalent temperature	P _{dh}	25.931	kW		T _{biv} =bivalent temperature	COPd	2.54	
T _{oL} =operation temperature	P _{dh}	29.325	kW		T _{OL} =operation temperature	COPd	2.14	
Bivalent temperature	T _{biv}	-7	°					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_					
Power consumption in m	odes other	than "active n	node"		Supple	ementary heater		
Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input			
Crankcase heater mode	Р _{СК}	0.124	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	S			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	13000	m³/h
Sound power level,outdoor	L _{WA}	85	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	UK; info@	@sinclair-solutions.com / www.	sinclair-solutions.co	m	
(*)								

(**)If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Model(s):SDV5-450EAM; Test matching indoor units form, Duct: 4×SDV5-71DHA+2×SDV5-80DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	45	kW		Seasonal space cooling energy efficiency	η _{s,c}	193.4	%
Declared cooling capac T _j and in	ity for part l idoor 27/19	oad at given ℃(dry/wet t	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisatior I at given outdoor t	ו efficiency temperatur	//auxiliary es T _j
Tj =+35 ℃	P _{dc}	45	kW		Tj=+35℃	EERd	2.40	
T _j =+30℃	P _{dc}	31.412	kW		Tj=+30℃	EERd	3.79	
T _j =+25℃	P _{dc}	20.145	kW		Tj =+25 ℃	EERd	5.83	
T _j =+20℃	P _{dc}	9.939	kW		Tj =+20 ℃	EERd	8.72	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
	•	F	Power consumption in	modes of	ther than "active mode"			
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	—	13000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	@sinclair-	solutions.com / www.sinclair-so	olutions.com		
(*)If C _{dc} is not determine	d by meası	rement then	the default degradatio	n coefficie	ent of heat pumps shall be 0.25			
Where information relate outdoor unit ,with a com	es to multi-s bination of i	split air condit indoor unit(s)	ioners,the test result a recommended by the	nd perfor manufact	mance data may be obtained on turer or importer	the basis of perfor	mance of	the

Model(s):SDV5-450EAN Test matching indoor ur	VI; nits form, D	uct: 4×SDV	- 5-71DHA+2×SDV5-80I	DHA;				
Outdoor side heat excha	nger of air o	conditioner:ai	r	·				
Indoor side heat exchang	ger of air co	nditioner:air						
Idication if the heater is e	equipped wi	th a suppleme	entary heater:no					
If applicable:driver of con	npressor:el	ectric motor						
Parameters shall be decl	ared for the	e average hea	ating season,parameter	for the warmer and colder hea	ting seasom	ns are optional		
Item	Symbol	Value	Unit	Item		Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	45	kW	Seasonal space heati energy efficiency	ing	η _{s,h}	139.0	%
Declared heating capac o	tity for part lutdoor temp	load at indoor peratures T _j	teperature 20℃ and	Declared coe efficiency/auxiliar	efficient of p y energy fac tempe	erformance or ga ctor for part load eratures T _j	as utilisatior at given ou	n Itdoor
Tj=−7°C	P _{dh}	25.931	kW	Tj=-7℃		COPd	2.54	
T _j =+2°C	P _{dh}	15.791	kW	Tj=+2℃		COPd	3.36	
T _j =+7°C	P _{dh}	10.318	kW	Tj=+7℃		COPd	4.66	
T _j =+12℃	P _{dh}	9.548	kW	T _j =+12℃		COPd	5.49	
T _{biv} =bivalent temperature	P _{dh}	25.931	kW	T _{biv} =bivalent tempera	ature	COPd	2.54	
T _{OL} =operation temperature	P _{dh}	29.325	kW	T _{OL} =operation tempe	erature	COPd	2.14	
Bivalent temperature	T _{biv}	-7	°					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_					
Power consumption in m	odes other	than "active r	node"		Supplem	entary heater		
Off mode	P _{OFF}	0.064	kW	Back-up heating capa	acity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input				
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode		P _{SB}	0.064	kW
			0	ther items				
Capacity control		varia	ible	For air-to-air heat pur flow rate,outdoor mea	mp:air asured	_	13000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	UK; info@sinclair-solutions.com	n / www.sir	nclair-solutions.co	om	
(*)								
(**)If C _{dh} is not determine	ed by measu	urement then	the default degradation	coefficient of heat pumps shall	be 0.25		_	

Model(s):SDV5-500EAM; Test matching indoor units form, Duct: 4×SDV5-56DA+4×SDV5-71DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	110100001.0							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	50	kW		Seasonal space cooling energy efficiency	η _{s,c}	200.6	%
Declared cooling capaci T _j and in	ity for part l idoor 27/19	oad at given ℃(dry/wet l	outdoor temperatures bulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor	n efficiency temperatur	//auxiliary ⁻ es T _j
Tj =+35 ℃	P _{dc}	50	kW		Tj=+35℃	EERd	2.55	
Tj =+30 ℃	P _{dc}	36.091	kW		Tj=+30℃	EERd	3.86	
T _j =+25℃	P _{dc}	22.777	kW		Tj=+25℃	EER _d	5.89	
Tj =+20° ℃	P _{dc}	10.928	kW		Tj=+20℃	EERd	9.40	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
-	1	I	Power consumption in	modes of	ther than "active mode"		4	1
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	Рск	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	าร			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	16000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com	4	1
(*)If C _{dc} is not determined	d by measu	urement then	the default degradatio	n coeffici	ent of heat pumps shall be 0.25			
Where information relate outdoor unit ,with a com	es to multi-s bination of	split air condit indoor unit(s)	tioners,the test result a recommended by the	nd perfor manufac	rmance data may be obtained on turer or importer	the basis of perfo	rmance of	the

Model(s):SDV5-500EAM; Test matching indoor units form, Duct: SDV5-56DA+4×SDV5-71DHA; Outdoor side heat exchanger of air conditioner:air Indoor side heat exchanger of air conditioner:air Idication if the heater is equipped with a supplementary heater:no If applicable:driver of compressor:electric motor Parameters shall be declared for the average heating season, parameters for the warmer and colder heating seasoms are optional Item Symbol Value Unit Item Symbol Value Unit Seasonal space heating P_{rated,h} kW Rated heating capacity % 50 η_{s,h} 134.2 energy efficiency Declared coefficient of performance or gas utilisation Declared heating capacity for part load at indoor teperature 20°C and efficiency/auxiliary energy factor for part load at given outdoor outdoor temperatures T_j temperatures T_i T_i=-7℃ kW Ti=-7℃ COPd P_{dh} ---27.878 2.46 Tj=+2℃ P_{dh} kW T_i=+2℃ COPd ---18.272 3.18 T_i=+7℃ Tj=+7℃ P_{dh} kW COPd ---11.923 4.64 T_i=+12℃ kW T_i=+12℃ P_{dh} ---COPd 9.535 5.43 T_{biv}=bivalent kW P_{dh} T_{biv} =bivalent temperature COPd ---27.878 2.46 temperature T_{OL}=operation kW COPd P_{dh} T_{OL} =operation temperature ---31.575 1.95 temperature Bivalent temperature °C $\mathsf{T}_{\mathsf{biv}}$ -7 Degradation co-efficient Cdh 0.25 for heat pumps(**) Power consumption in modes other than "active mode" Supplementary heater Off mode POFF kW Back-up heating capacity(*) kW elbu 0.064 0 P_TO Thermosat-off mode kW Type of energy input 0.064 Crankcase heater mode Рск kW Standby mode P_{SB} kW 0.124 0.064 Other items For air-to-air heat pump:air Capacity control variable m³/h _ 16000 flow rate,outdoor measured Sound power L_{WA} dB 88 level,outdoor 2088 kg CO_{2 eq}(100years) GWP of the refrigerant Contact details SINCLAIR Corp. Ltd., 1-4 Argyll St., London, UK; info@sinclair-solutions.com / www.sinclair-solutions.com (*) (**) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Model(s):SDV5-560EAM;

Test matching indoor units form, Duct: 8×SDV5-71DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

in applicable.unver of cor	inpressor.ei							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	56	kW		Seasonal space cooling energy efficiency	η _{s,c}	199.4	%
Declared cooling capaci T _j and in	ty for part l door 27/19	oad at given o ℃(dry/wet b	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisatior d at given outdoor t	n efficiency emperatur	//auxiliary es T _j
T _j =+35℃	P _{dc}	56	kW		Tj=+35℃	EER _d	3.10	
T _j =+30℃	P _{dc}	39.039	kW		Tj =+30 ℃	EER _d	3.95	-
T _j =+25℃	P _{dc}	24.261	kW		Tj =+25 ℃	EER _d	5.65	-
T _j =+20℃	P _{dc}	11.429	kW		Tj =+20 ℃	EER _d	8.15	-
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
	1	F	Power consumption in	modes of	ther than "active mode"		1	
Off mode	POFF	0.064	kW		Crankcase heater mode	P _{CK}	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	@sinclair-	solutions.com / www.sinclair-so	olutions.com	•	
(*)If C _{dc} is not determined	d by measu	rement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25			

Model(s):SDV5-560EAN	l; its form Di	ict: 8xSDV5	-71DHA·						
Outdoor side heat exchan	nger of air o	conditioner air	-						
Indoor side heat exchance	nger of air co	nditioner air							
Idication if the heater is e	auipped wi	th a suppleme	entary heater no						
If applicable:driver of con	npressor:ele	ectric motor							
Parameters shall be decl	ared for the	e average hea	ting season,parameter	rs for the v	warmer and colder heating seas	oms are optional			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	P _{rated,h}	56	kW		Seasonal space heating energy efficiency	η _{s,h}	133.0	%	
Declared heating capac	ity for part I utdoor temp	load at indoor peratures T _j	teperature 20℃ and		Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=−7°C	P _{dh}	29.294	kW		Tj=−7°C	COPd	2.06		
Tj=+2℃	P _{dh}	18.293	kW		Tj=+2℃	COPd	3.29		
Tj=+7℃	P _{dh}	11.917	kW		Tj=+7℃	COPd	4.80		
T _j =+12℃	P _{dh}	10.498	kW		Tj=+12℃	COPd	5.61		
T _{biv} =bivalent temperature	P _{dh}	29.294	kW		T _{biv} =bivalent temperature	COPd	2.06		
T _{oL} =operation temperature	P _{dh}	33.107	kW		T _{OL} =operation temperature	COPd	1.64		
Bivalent temperature	T _{biv}	-7	°C						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_						
Power consumption in m	odes other	than "active n	node"		Supple	ementary heater			
Off mode	P _{OFF}	0.064	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	P _{TO}	0.064	kW		Type of energy input				
Crankcase heater mode	Рск	0.124	kW		Standby mode	P _{SB}	0.064	kW	
			C	Other item	S				
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/h	
Sound power level,outdoor	L _{WA}	88	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	, UK; info@	@sinclair-solutions.com / www.	sinclair-solutions.co	m		
(*)									
(**)If C _{dh} is not determine	ed by measu	urement then	the default degradation	n coefficie	nt of heat pumps shall be 0.25				

Model(s):SDV5-615EAM; Test matching indoor units form, Duct: 4×SDV5-71DHA+4×SDV5-80DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	61.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	198.2	%
Declared cooling capaci T _j and in	ity for part l door 27/19	oad at given ℃(dry/wet t	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisatior d at given outdoor t	n efficiency emperatur	/auxiliary es T _j
T _j =+35℃	P _{dc}	61.5	kW		Tj=+35℃	EER _d	2.79	
T _j =+30℃	P _{dc}	43.022	kW		Tj =+30 ℃	EER _d	3.86	
T _j =+25℃	P _{dc}	27.726	kW		Tj=+25℃	EERd	6.0	
T _j =+20℃	P _{dc}	12.137	kW		Tj =+20 ℃	EERd	7.65	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_					
	•	F	Power consumption in	modes of	ther than "active mode"		1	
Off mode	P _{OFF}	0.064	kW		Crankcase heater mode	Рск	0.064	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.064	kW
			C	Other item	IS			
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	17000	m³/h
Sound power level,outdoor	L _{WA}	88	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com	·	
(*)If C _{dc} is not determined	d by measu	rement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25			

Model(s):SDV5-615EAM	l; iits form. Dι	uct: 4×SDV5	- -71DHA+4×SDV5-80D	- HA:					
Outdoor side heat excha	nger of air o	conditioner:air		,					
Indoor side heat exchang	ger of air co	nditioner:air							
Idication if the heater is e	quipped wi	th a suppleme	entary heater:no						
If applicable:driver of con	npressor:ele	ectric motor	-						
Parameters shall be decl	ared for the	e average hea	ting season,parameters	for the warmer and colder heating seas	oms are optional				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	P _{rated,h}	61.5	kW	Seasonal space heating energy efficiency	η _{s,h}	133.0	%		
Declared heating capac or	ity for part l utdoor temp	load at indoor peratures T _j	teperature 20°C and	Declared coefficient o efficiency/auxiliary energy ter	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _i				
Tj=−7°C	P _{dh}	29.294	kW	Tj=−7°C	COPd	2.06			
T _j =+2℃	P _{dh}	18.293	kW	Tj=+2℃	COPd	3.29			
T _j =+7°C	P _{dh}	11.917	kW	Tj=+7℃	COPd	4.80			
T _j =+12℃	P _{dh}	10.498	kW	Tj=+12℃	COPd	5.61			
T _{biv} =bivalent temperature	P _{dh}	29.294	kW	T _{biv} =bivalent temperature	COPd	2.06			
T _{oL} =operation temperature	P _{dh}	33.107	kW	T _{OL} =operation temperature	COPd	1.64			
Bivalent temperature	T _{biv}	-7	°C						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_						
Power consumption in m	odes other	than "active n	node"	Suppl	Supplementary heater				
Off mode	P _{OFF}	0.064	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	P _{TO}	0.064	kW	Type of energy input					
Crankcase heater mode	P _{CK}	0.124	kW	Standby mode	P _{SB}	0.064	kW		
			Ot	ther items					
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	17000	m³/h		
Sound power level,outdoor	L _{WA}	88	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London, I	UK; info@sinclair-solutions.com / www	.sinclair-solutions.c	om			
(*)									
(**)If C _{dh} is not determine	d by measu	urement then	the default degradation	coefficient of heat pumps shall be 0.25					

Model(s):SDV5-670EAM;

Test matching indoor units form, Duct: 4×SDV5-80DHA+4×SDV5-90DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	67	kW		Seasonal space cooling energy efficiency	η _{s,c}	207	%
Declared cooling capaci T _j and in	ity for part l idoor 27/19	oad at given ℃(dry/wet l	outdoor temperatures bulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisation d at given outdoor	n efficiency temperatur	//auxiliary res T _j
Tj =+35 ℃	P _{dc}	67	kW		Tj=+35℃	EERd	2.41	
Tj =+30 ℃	P _{dc}	44.6	kW		Tj=+30℃	EERd	3.83	
T _j =+25℃	P _{dc}	30.31	kW		Tj=+25℃	EERd	6.52	
Tj =+20 ℃	P _{dc}	12.94	kW		T _j =+20℃	EERd	9.57	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	-					
	1		Power consumption in	modes o	ther than "active mode"		4	L
Off mode	P _{OFF}	0.085	kW		Crankcase heater mode	Рск	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
			C	Other item	IS			
Capacity control		varia	able		For air-to-air air conditioner:air flow rate,outdoor measured	_	24500	m³/h
Sound power level,outdoor	L _{WA}	89	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com	_1	<u>I</u>
(*)If Cdc is not determined	d by measu	urement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25			
Where information relate	es to multi-s	split air condit	tioners,the test result a	nd perfor	mance data may be obtained or	the basis of perfo	rmance of	the

Model(s):SDV5-670EAM;

Test matching indoor u	nits form, E	Duct: 4×SD∖	/5-80DHA+4×SDV5-90DH	łA;				
Outdoor side heat exchar	nger of air o	conditioner:ai	r					
Indoor side heat exchang	er of air co	nditioner:air						
Idication if the heater is e	quipped wi	th a suppleme	entary heater:no					
If applicable:driver of con	npressor:ele	ectric motor						
Parameters shall be decla	ared for the	e average hea	ating season,parameters fo	or the warmer and colder heating seaso	oms are optional			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Rated heating capacity	P _{rated,h}	67	kW	Seasonal space heating energy efficiency	η _{s,h}	133.0	%	
Declared heating capac ດເ	ity for part l utdoor temp	load at indoor peratures T _j	teperature 20℃ and	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j				
Tj=−7°C	P _{dh}	40.63	kW	Tj=−7°C	COPd	2.31		
Tj=+2℃	P _{dh}	25.21	kW	Tj=+2℃	COPd	3.14		
T _j =+7°C	P _{dh}	16.21	kW	Tj=+7℃	COPd	4.83		
T _j =+12℃	P _{dh}	9.21	kW	T _j =+12℃	COPd	5.05		
T _{biv} =bivalent temperature	P _{dh}	43.25	kW	T _{biv} =bivalent temperature	COPd	1.90		
T _{oL} =operation temperature	P _{dh}	43.25	kW	T _{OL} =operation temperature	COPd	1.90		
Bivalent temperature	T _{biv}	-10	°					
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-					
Power consumption in mo	odes other	than "active r	node"	Supplementary heater				
Off mode	P _{OFF}	0.085	kW	Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	P _{TO}	0.085	kW	Type of energy input				
Crankcase heater mode	P _{CK}	0.085	kW	Standby mode	P _{SB}	0.085	kW	
			Othe	er items				
Capacity control		varia	able	For air-to-air heat pump:air flow rate,outdoor measured	_	24500	m³/h	
Sound power level,outdoor	L _{WA}	89	dB				L	
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details	SINCLA	IR Corp. Ltd.,	, 1-4 Argyll St., London, Ul	K; info@sinclair-solutions.com / www.	sinclair-solutions.	com		
(*)								

 $(^{**})$ If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Model(s):SDV5-785EAM; Test matching indoor units form, 8×SDV5-100CA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

	-								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	P _{rated,c}	78.5	kW		Seasonal space cooling energy efficiency	η _{s,c}	196.6	%	
Declared cooling capaci T _j and in	ity for part l door 27/19	oad at given o ℃(dry/wet b	outdoor temperatures oulb)		Declared energy efficiency ratio or gas utilisation efficiency/auxilia energy factor for part load at given outdoor temperatures T _j				
T _j =+35℃	P _{dc}	78.5	kW		Tj=+35℃	EERd	2.10		
T _j =+30℃	P _{dc}	52.42	kW		Tj =+30 ℃	EER _d	4.33		
T _j =+25℃	P _{dc}	33.78	kW		Tj =+25 ℃	EERd	5.45		
T _j =+20℃	P _{dc}	15.44	kW		Tj =+20 ℃	EER _d	9.00		
Degradation co-efficient for air conditioners(*)	C _{dc}		_						
	1	F	Power consumption in	modes of	her than "active mode"				
Off mode	POFF	0.085	kW		Crankcase heater mode	Рск	0.085	kW	
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW	
			C	Other item	IS		<u> </u>		
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	—	25000	m³/h	
Sound power level,outdoor	L _{WA}	90	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com			
(*)If Cdc is not determined	d by measu	rement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25				

Model(s):SDV5-785EAN	Л; ita fama Ол		004						
Outdoor side heat exchar	nger of air o	conditioner air	0CA;						
Indoor side heat exchange	er of air co	nditioner:air							
Idication if the heater is e	quipped wi	th a suppleme	entary heater:no						
If applicable:driver of con	npressor:ele	ectric motor	-						
Parameters shall be decla	ared for the	e average hea	ting season,parameter	rs for the	warmer and colder heating sease	oms are optional			
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated heating capacity	P _{rated,h}	78.5	kW		Seasonal space heating energy efficiency	η _{s,h}	133.0	%	
Declared heating capacity for part load at indoor teperature 20 $^{\circ}\text{C}$ and outdoor temperatures T $_j$				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _j					
Tj=−7°C	P _{dh}	40.63	kW		Tj=−7°C	COPd	2.31		
T _j =+2°C	P _{dh}	25.21	kW		Tj=+2℃	COPd	3.14		
T _j =+7℃	P _{dh}	16.21	kW		Tj=+7℃	COPd	4.83		
T _j =+12℃	P _{dh}	9.21	kW		Tj=+12℃	COPd	5.05		
T _{biv} =bivalent temperature	P _{dh}	43.25	kW		T _{biv} =bivalent temperature	COPd	1.90		
T _{oL} =operation temperature	P _{dh}	43.25	kW		T _{OL} =operation temperature	COPd	1.90		
Bivalent temperature	T _{biv}	-10	°C						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	_						
Power consumption in mo	odes other	than "active m	node"		Supplementary heater				
Off mode	P _{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW	
Thermosat-off mode	P _{TO}	0.085	kW		Type of energy input				
Crankcase heater mode	P _{CK}	0.085	kW		Standby mode	P _{SB}	0.085	kW	
			C	Other item	S				
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	25000	m³/h	
Sound power level,outdoor	L _{WA}	90	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	, UK; info	@sinclair-solutions.com / www.	sinclair-solutions.co	m		
(*)									
(**)If C _{dh} is not determine	d by measu	urement then t	the default degradation	n coefficie	nt of heat pumps shall be 0.25				

Model(s):SDV5-850EAM; Test matching indoor units form, 4×SDV5-100CA+4×SDV5-112DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable:driver of compressor:electric motor

Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	85	kW		Seasonal space cooling energy efficiency	η _{s,c}	204.6	%
Declared cooling capaci T _j and in	ity for part l idoor 27/19	oad at given ℃(dry/wet t	outdoor temperatures oulb)		Declared energy efficiency ra energy factor for part load	tio or gas utilisatio d at given outdoor	n efficiency temperatur	//auxiliary res T _j
Tj =+35 ℃	P _{dc}	85	kW		T _j =+35℃	EERd	1.90	
Tj =+30 ℃	P _{dc}	56.76	kW		Tj=+30℃	EERd	4.25	
T _j =+25℃	P _{dc}	36.41	kW		Tj=+25℃	EER _d	6.35	
T _j =+20℃	P _{dc}	16.4	kW		T _j =+20℃	EERd	8.95	
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	-					
	1	ŀ	Power consumption in r	modes of	ther than "active mode"		4	L
Off mode	P _{OFF}	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW
			0	ther item	IS			
Capacity control		varia	ible		For air-to-air air conditioner:air flow rate,outdoor measured	_	24000	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)					
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com	4	
(*)If C _{dc} is not determined	d by measu	rement then	the default degradation	n coeffici	ent of heat pumps shall be 0.25			
Where information relate	e to multi e	nlit air condit	ioners the test result a	nd nerfor	mance data may be obtained or	the basis of perfo	ormance of	the
Transis information felate	o to muili-a	pin an conful	ionoid, inc icol reduit al		manue data may be obtailled of			0.00

outdoor unit , with a combination of indoor unit(s) recommended by the manufacturer or importer

Model(s):SDV5-850EAM; Test matching indoor units form, 4×SDV5-100CA+4×SDV5-112DHA;

Test matching indoor ui	nits form, 4	×SDV5-100C	A+4×SDV5-112DHA;						
Outdoor side heat excha	nger of air o	conditioner:ai	ſ						
Indoor side heat exchang	ger of air co	nditioner:air							
Idication if the heater is e	quipped wit	th a supplem	entary heater:no						
If applicable:driver of con	npressor:ele	ectric motor							
Parameters shall be decl	ared for the	average hea	ting season,parameters fo	or the warmer and colder heating seaso	oms are optional				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heating capacity	P _{rated,h}	85	kW	Seasonal space heating energy efficiency	η _{s,h}	133.8	%		
Declared heating capac o	ity for part I utdoor temp	oad at indoor peratures T _j	teperature 20℃ and	Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures T _i					
T _j =-7℃	P _{dh}	39.85	kW	Tj=−7°C	COPd	2.32			
T _j =+2°C	P _{dh}	24.62	kW	Tj=+2℃	COPd	3.12			
T _j =+7°C	P _{dh}	16.84	kW	T _j =+7℃	COPd	5.00			
T _j =+12°C	P _{dh}	13.01	kW	T _j =+12℃	COPd	5.46			
T _{biv} =bivalent temperature	P _{dh}	45.19	kW	T _{biv} =bivalent temperature	COPd	1.85			
T _{OL} =operation temperature	P _{dh}	45.19	kW	T _{OL} =operation temperature	COPd	1.85			
Bivalent temperature	T _{biv}	-10	°C						
Degradation co-efficient for heat pumps(**)	C _{dh}	0.25	-						
Power consumption in m	odes other	than "active r	node"	Supple	mentary heater				
Off mode	P _{OFF}	0.085	kW	Back-up heating capacity(*)	elbu	0	kW		
Thermosat-off mode	P _{TO}	0.085	kW	Type of energy input					
Crankcase heater mode	P _{CK}	0.085	kW	Standby mode	P _{SB}	0.085	kW		
			Othe	er items					
Capacity control		varia	ble	For air-to-air heat pump:air flow rate,outdoor measured	_	24000	m³/h		
Sound power level,outdoor	L _{WA}	90	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London, UK	; info@sinclair-solutions.com / www.	sinclair-solutions.co	om			
(*)									

(**) If C_{dh} is not determined by measurement then the default degradation coefficient of heat pumps shall be 0.25

Model(s):SDV5-900EAM; Test matching indoor units form, Duct: 8×SDV5-112DHA;

Outdoor side heat exchanger of air conditioner:air

Indoor side heat exchanger of air conditioner:air

Type:compressor driven

If applicable driver of compressor electric motor

	110100001.01								
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	P _{rated,c}	90	kW		Seasonal space cooling energy efficiency	η _{s,c}	199.0	%	
Declared cooling capaci T _j and in	ty for part l door 27/19	oad at given o ℃(dry/wet b	outdoor temperatures oulb)		Declared energy efficiency ratio or gas utilisation efficiency/aux energy factor for part load at given outdoor temperatures T				
T _j =+35℃	P _{dc}	90	kW		T _j =+35℃	EERd	1.88		
T _j =+30℃	P _{dc}	60.69	kW		Tj =+30 ℃	EER _d	4.23		
Tj =+25℃	P _{dc}	38.72	kW		T _j =+25℃	EER _d	5.82		
Tj =+20 ℃	P _{dc}	18.14	kW		T _j =+20℃	EER _d	9.20		
Degradation co-efficient for air conditioners(*)	C _{dc}	0.25	_						
	l .	F	Power consumption in	modes of	ther than "active mode"				
Off mode	POFF	0.085	kW		Crankcase heater mode	P _{CK}	0.085	kW	
Thermosat-off mode	P _{TO}	0	kW		Standby mode	P _{SB}	0.085	kW	
			C	Other item	IS				
Capacity control		varia	ble		For air-to-air air conditioner:air flow rate,outdoor measured	_	24000	m³/h	
Sound power level,outdoor	L _{WA}	90	dB						
GWP of the refrigerant		2088	kg CO _{2 eq} (100years)						
Contact details: SINCLA	IR Corp. Lt	d., 1-4 Argyll	St., London, UK; info@	sinclair-	solutions.com / www.sinclair-so	olutions.com			
(*)If C _{dc} is not determined	d by measu	rement then	the default degradatio	n coeffici	ent of heat pumps shall be 0.25				

Model(s):SDV5-900EAM Test matching indoor un	l; lits form. Di	uct: 8×SDV5	5-112DHA:					
Outdoor side heat excha	nger of air o	conditioner:air	•					
Indoor side heat exchang	ger of air co	nditioner:air						
Idication if the heater is e	quipped wi	th a suppleme	entary heater:no					
If applicable:driver of con	npressor:ele	ectric motor						
Parameters shall be decl	ared for the	e average hea	ting season,parameter	rs for the v	varmer and colder heating sease	oms are optional		
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated heating capacity	P _{rated,h}	90	kW		Seasonal space heating energy efficiency	η _{s,h}	133.8	%
Declared heating capac or	ity for part I utdoor temp	load at indoor peratures T _j	teperature 20°C and		Declared coefficient o efficiency/auxiliary energy tem	f performance or ga factor for part load a peratures T _j	s utilisatio at given ou	n Itdoor
Tj=−7°C	P _{dh}	39.85	kW		Tj=−7°C	COPd	2.32	
T _j =+2℃	P _{dh}	24.62	kW		Tj=+2℃	COPd	3.12	
T _j =+7℃	P _{dh}	16.84	kW		Tj=+7℃	COPd	5.00	
T _j =+12℃	P _{dh}	13.01	kW		T _j =+12℃	COPd	5.46	
T _{biv} =bivalent temperature	P _{dh}	45.19	kW		T _{biv} =bivalent temperature	COPd	1.85	
T _{oL} =operation temperature	P _{dh}	45.19	kW		T _{OL} =operation temperature	COPd	1.85	
Bivalent temperature	T _{biv}	-10	°					
Degradation co-efficient	Cab							
for heat pumps(**)	Cun	0.25						
Power consumption in m	odes other	than "active n	node"	Supplementary heater				
Off mode	P _{OFF}	0.085	kW		Back-up heating capacity(*)	elbu	0	kW
Thermosat-off mode	P _{TO}	0.085	kW		Type of energy input			
Crankcase heater mode	Рск	0.085	kW		Standby mode	P _{SB}	0.085	kW
			C	Other items	6			
Capacity control		varia	ble		For air-to-air heat pump:air flow rate,outdoor measured	_	24000	m³/h
Sound power level,outdoor	L _{WA}	90	dB					
GWP of the refrigerant		2088	kg CO _{2 eq} (100years))				
Contact details	SINCLAI	R Corp. Ltd.,	1-4 Argyll St., London,	, UK; info@	Sinclair-solutions.com / www.	sinclair-solutions.co	m	
(*)								
(**)If C _{dh} is not determine	d by measu	urement then	the default degradation	n coefficie	nt of heat pumps shall be 0.25			