Model(s): FDC140VNA / FDT1	40VH								
Outdoor side heat exchanger of air conditio		air							
Indoor side heat exchanger of air conditioned	er:	air							
Type: vapour compression									
if applicable : electric motor									
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated cooling capacity	<u> </u>	7 4.40		Seasonal space co		7 4.40			
Transfer of the state of the st	Prated,c	13.6	kW	efficiency ηs,c	,	243.2	%		
				, , , , , , , , , , , , ,					
Declared cooling capacity for part load at gi	Declared energy efficiency ratio or gas utilization efficiency /								
Tj and indoor 27°C/19°C(dry/wet bulb)				auxiliary energy factor for part load at given outdoor temperatures Tj					
,				, 0,	, ,	•	•		
Tj=+35°C	Pdc	13.6	kW	Tj=+35°C	EERd or		]		
		<u></u>	7	1, 100 1	GUEc,bin / AEFc,bin	267.0	%		
Tj=+30°C	Pdc	10.0	kW	Tj=+30°C	EERd or				
			_	1, 100 1	GUEc,bin / AEFc,bin	450.0	%		
Tj=+25°C	Pdc	6.4	kW	Tj=+25°C	EERd or				
		<u> </u>	<b>-</b>	1,7 120 0	GUEc,bin / AEFc,bin	706.0	%		
Tj=+20°C	Pdc	3.5	kW	Tj=+20°C	EERd or		1		
			_	1,=120 0	GUEc,bin / AEFc,bin	1310.0	%		
Degradation			7		0020,511177121 0,5111		1		
coefficient for	Cdc	0.25	_						
air conditioners**	Out								
all conditions			_						
Power consumpiton in other than 'active mo			٦				1		
Off mode	$P_{OFF}$	0.008	kW	Crankcase heater i	<b>5.</b>	0.008	kW		
Thermostat-off mode	$P_{TO}$	0.020	kW	Standby mode	$P_{SB}$	0.008	kW		
Other items							1		
			_	For air-to-air air co	nditioner:	4500	m3/h		
Capacity control		variable	]	air flow-rate,outdoo	or measured		]		
			-						
Sound power level,	$L_WA$	73.0	dB						
outdoor			_						
			7						
If engine driven:	NOx		mg/kWh						
Emissions of nitrogen	***	-	fuel input						
oxides			GCV						
OWD of the			7						
GWP of the		2088	kg CO <sub>2eq</sub> (100years)						
refrigerant									
Contact details	i boosas la de	otrioo the	and avertages !	I TD					
Contact details Mitsubish  ** If Cdc is not determined by measuremen			nal systems,L		shall be 0.25				
*** from 26 Sontombor 2018	. a.o.i alo de	uogia		.c.n an Jonationors	20 0 <u>,2</u> 0.				

Where information relates to multi-spilt air conditioners, the test result and performance data be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.

from 26 September 2018

Information to identify the model(s) to which	the information	relates :		FDC140VI	NA / FDT140VH								
Outdoor side heat exchanger of heat pump		air											
Indoor side heat exchanger of heat pump :		air											
Indication if the heater is equipped with a supplementary heater : No													
if applicable : electric motor													
Parameters shall be declared for the averag	e heating seaso	n , paramet	ers for the w	varmer and	colder heating seasons	are optional.							
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit					
Rated heating capacity					Seasonal space heating	ng energy efficiency ηs,h							
	Prated,h	15.5	kW				168.0	%					
Declared heating capacity for part load at indoor temperature 20°C					Declared coefficient of	f performance or gas utilization eff	iciency /						
and outdoor temperature Tj					auxiliary energy factor for part load at given outdoor temperatures Tj								
			_					_					
T <sub>j</sub> =-7°C	Pdh	9.3	kW		T <sub>j</sub> =-7°C	COPd or	228.0	%					
			_			GUEh,bin / AEFh,bin	220.0						
T <sub>j</sub> =+2°C	Pdh	5.7	kW		T <sub>j</sub> =+2°C	COPd or	433.0	%					
			=			GUEh,bin / AEFh,bin	455.0						
T <sub>j</sub> =+7°C	Pdh	3.7	kW		T <sub>j</sub> =+7°C	COPd or	583.0	%					
			=			GUEh,bin / AEFh,bin	303.0						
T <sub>j</sub> =+12°C	Pdh	2.6	kW		T <sub>j</sub> =+12°C	COPd or	688.0	%					
			-			GUEh,bin / AEFh,bin	000.0	<u> </u> ~					
T <sub>biv</sub> =bivalent temperature	Pdh	10.5	kW		T <sub>biv</sub> =bivalent	COPd or	268.0	%					
			=		temperature	GUEh,bin / AEFh,bin	200.0						
T <sub>OL</sub> =operation limit	Pdh	7.9	kW		T <sub>OL</sub> =operation limit	COPd or	230.0	%					
			=			GUEh,bin / AEFh,bin	200.0						
For air-to-water heat pumps :	Pdh	-	kW		For air-to-water heat	COPd or		%					
T <sub>j</sub> =-15°C					pumps:T <sub>j</sub> =-15°C	GUEh,bin / AEFh,bin		]~					
(if T <sub>OL</sub> <-20°C)					(if T <sub>OL</sub> <-20°C)								
			=					_					
Bivalent temperature	$T_biv$	-10.0	°C		For water-to-air heat								
			=		pumps:Operation limit		-	°C					
Degradation					T <sub>ol</sub> temperature								
coefficient	$C_{dh}$	0.25	-										
heat pumps**													
								_					
Power consumpiton in modes other than 'ac	tive mode'				Supplementary heater	r elbi		kW					
			7		back-up heating capa			<u> </u>					
Off mode	$P_{OFF}$	0.008	kW					7					
Thermostat-off mode	$P_{TO}$	0.035	kW		Type of energy input	0.008	kW						
Crankcase heater mode	P <sub>CK</sub>	800.0	kW		Standby mode								
Other items								7					
		Г	7		For air-to-air heat pum	nps:	4380	m3/h					
Capacity control		variable			air flow-rate,outdoor m	neasured							
			1					7					
Sound power level,	$L_WA$	73.0	dB		For water-/brine-to-air	heat pumps :							
outdoor measured					Rated brine or water fi	iow-rate,	-	m3/h					
			1		outdoor side heat excl	hanger		]					
Emissions of nitrogen	NOx		mg/kWh										
oxides(if applicable)	***	-	fuel input										
			GCV										
				_									
			1										
GWP of the		2088	kg CO <sub>2eq</sub>										
refrigerant			(100years)	'									
1				1									
·	shi heavy indust												
** If Cdh is not determined by measurement	then the default	t degradatio	n coefficient	t air conditio	ners shall be 0,25.								
*** from 26 September 2018													
Where information relates to multi-spilt air co	onditioners,the te	est result an	d performan	nce data be	obtained on the basis of	f the performance							
of the outdoor unit, with a combination of ind	oor unit(s) recor	mmended b	y the manufa	facturer or in	mporter.								

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