Model(s): FDC140VNA-W	/	FDE140V	'H						
Outdoor side heat exchanger of air cor	nditioner :	air							
Indoor side heat exchanger of air cond	itioner :	air							
Type: vapour compression									
if applicable: electric motor									
Item	Symbol	Value	Unit	Item	Symbol		Value	Unit	
Rated cooling capacity	,			Seasonal space	•				
<b>3</b> , ,	Prated,c	13.6	kW	cooling energy	η s,c		227.6	%	
				efficiency					
Declared cooling capacity for part load	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			]_,	
			•		GUEc.bin	/ AEFc,bin	269.0	%	
Tj=+30°C	Pdc	10.0	kW	Tj=+30°C	EERd or	,	400.0	<b>.</b> ,	
			•	, , , ,		/ AEFc,bin	420.0	%	
Tj=+25°C	Pdc	6.4	kW	Tj=+25°C	EERd or	,	200.0	0,	
			Į.	, , , , ,		/ AEFc,bin	682.0	%	
Tj=+20°C	Pdc	3.1	kW	Tj=+20°C	EERd or	, ,			
			ı	,, ,		/ AEFc,bin	1034.0	%	
Degradation					0020,011	7 7 121 0,5111		1	
coefficient for	Cdc	0.25	_						
air conditioners**	000								
			ı						
Power consumpiton in other than 'activ	e mode'								
1									
Off mode	$P_{OFF}$	0.008	kW	Crankcase heater	mode	P <sub>CK</sub>	0.005	kW	
Thermostat-off mode	$P_{TO}$	0.030	kW	Standby mode		P <sub>SB</sub>	0.008	kW	
			1				l .	1	
Other items									
				For air-to-air air co	nditioner:		4.500	2 //-	
Capacity control		variable		air flow-rate,outdoo	or measure	ed	4,500	m3/h	
			•	, , , , , , , , , , , , , , , , , , , ,			l.	4	
Sound power level,									
outdoor	$L_{WA}$	72.0	dB						
			•						
If engine driven:			mg/kWh						
Emissions of nitrogen	NOx ***	-	fuel input						
oxides			GCV						
		Į.	1						
GWP of the			kg CO <sub>2eq</sub>						
refrigerant		675	(100years)						
		1							
Contact details Mitsubis	Mitsubishi heavy industries thermal systems,LTD								
** If Cdc is not determined by measure					litioners sha	all be 0,25.			
*** from 26 September 2018			-						
Where information relates to multi-spill	air conditio	ners.the te	est result an	d performance data	be obtaine	d on the basis of the	performan	nce	

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.

Information to identify the model(s) to w	hich the ir	formation r	relates :	FDC140VNA-W /	FDE140VH						
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	a ouppion	iontary not									
Parameters shall be declared for the av	vorage hea	ting space	n naramet	are for the warmer and	colder heating seasons are	ontional					
Item	Symbol		Unit	Item	Symbol Symbol	Value	Unit				
Rated heating capacity	Syllibol	Value	UTIIL	Seasonal space	Symbol	Value	T				
Trated fleating capacity	Prated,ł	15.5	kW		n a b	166.6	%				
	rialeu,i	13.3	NVV	heating energy	η s,h	100.0	70				
Declared heating conscitutor part lead	at indoor t	00000000000	2000	efficiency	of norformonos or goo utiliza	tion officia	22011				
Declared heating capacity for part load at indoor temperature 20°C				Declared coefficient of performance or gas utilization efficiency / auxiliary energy factor for part load at given outdoor temperatures Tj							
and outdoor temperature Tj	auxiliary energy factor for part load at given outdoor temperatures 1)										
		ı—————	7	_			7				
$T_j=-7^{\circ}C$	Pdh	9.2	kW	T <sub>j</sub> =-7°C	COPd or	290.0	%				
			_		GUEh,bin / AEFh,ł	230.0	70				
T <sub>j</sub> =+2°C	Pdh	5.6	kW	T <sub>j</sub> =+2°C	COPd or						
1,-12 0	ı un	3.0	],,,,	1,-120		410.0	%				
		1	٦		GUEh,bin / AEFh,ł		_				
$T_j=+7^{\circ}C$	Pdh	3.6	kW	$T_j=+7^{\circ}C$	COPd or	540.0	%				
			_		GUEh,bin / AEFh,t	0.0.0	,0				
T <sub>i</sub> =+12°C	Pdh	3.0	kW	T <sub>i</sub> =+12°C	COPd or		]_,				
		0.0		J	GUEh,bin / AEFh,t	675.0	%				
T his releast to man exeture	חאף	40.5	الممر	T histologi			-				
T <sub>biv</sub> =bivalent temperature	Pdh	10.5	kW	T <sub>biv</sub> =bivalent	COPd or	250.0	%				
		1	_	temperature	GUEh,bin / AEFh,t		_				
T <sub>OL</sub> =operation limit	Pdh	7.9	kW	T <sub>OL</sub> =operation limit	COPd or	210.0	%				
			_		GUEh,bin / AEFh,t	210.0	70				
For air-to-water heat pumps :	Pdh	-	kW	For air-to-water heat							
T <sub>i</sub> =-15°C			<b>J</b>	pumps:T <sub>i</sub> =-15°C	GUEh,bin / AEFh,k	-	%				
,				, , , , , , , , , , , , , , , , , , ,	COLII, SIII / / NEI II, k						
(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							
·		l.	_	pumps:Operation lim	it	_	°C				
Dogradation			7	T <sub>ol</sub> temperature							
Degradation		0.05		I ol temperature							
coefficient	$C_dh$	0.25	-								
heat pumps**											
			-								
Power consumpiton in modes other than 'active mode'				Supplementary heate	er albu		kW				
				back-up heating capa	acity elbu	-	KVV				
Off mode	$P_{OFF}$	0.008	kW		,		_				
		-	=				7				
Thermostat-off mode	$P_{TO}$	0.045	kW	Type of energy input	$P_{SB}$	0.008	kW				
Crankcase heater mode	$P_{CK}$	0.005	kW	Standby mode	. SB	0.000					
			-1				_				
Other items											
				For air-to-air heat pur	mps:	4.000	0.4				
Capacity control		variable	7	air flow-rate,outdoor		4,380	m3/h				
		variable	_	an now rate, outdoor	modelica		_				
Sound power level,			7	For water-/brine-to-a	ir heat numns :		1				
outdoor measured	$L_{WA}$	73.0	dB	Rated brine or water		_	m3/h				
Catacor measurea			_	outdoor side heat ex			1110/11				
Emissions of nitrogen			mg/kWh	outdoor slad float ox	onangor						
oxides(if applicable)	NOx		fuel input								
oxides(ii applicable)	***	_	GCV								
			JGCV								
OMB CI			٦. ٥٥								
GWP of the		675	kg CO <sub>2eq</sub>								
refrigerant			(100years)	)							
					<u></u>						
Contact details Mitsubishi heavy industries thermal systems,LTD											
** If Cdh is not determined by measure	ment then	the default	degradation	n coefficient air conditio	oners shall be 0,25.	-					
*** from 26 Contombor 2019											

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.

<sup>\*\*\*</sup> from 26 September 2018