

Information requirements for heat pumps

Energy Index: SCOP

Regulations: calculated according to commision regulation (EU) 2013/813, implementing the directive of the

european commission 2009/125/ec "ecodesign".

Climate: Average

Source type: Outdoor air **User type:** Low temperature **User flow:** Constant user flow rate

User flow: Constant user	flow rate						
Model: LAHP-3954LT454	f l t						
Outdoor side heat exchanger o							
Indoor side heat exchanger of I Indication if the heater is equip			ry hostor: N	•			
If applicable: driver of compres	-		ry neater. IN	0			
			ason naran	neters for the warmer and cold	er heating s	easons are ontional	
	symb				symb		
item	ol	value	unit	item	ol	value	unit
Rated heating capacity	P _{rated,h}	266	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	159	%
Declared heating capacity for part load at indoor temperature $20 ^{\circ}$ C and outdoor temperature T_j				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures <i>Tj</i>			
<i>Tj</i> = -7°C	Pdh	236	kW	Tj = -7°C	COP _d	2.37	%
<i>Tj</i> = 2°C	Pdh	143	kW	<i>Tj</i> = 2°C	COP d	3.92	%
<i>Tj</i> = 7°C	Pdh	108	kW	<i>Tj</i> = 7°C		5.54	%
,				-	COP d		
<i>Tj</i> = 12°C	Pdh	124	kW	<i>Tj</i> = 12°C	COP _d	7.21	%
Tbiv = -7°C	Pdh	236	kW	<i>Tj</i> = -7°C	COP _d	2.37	%
$TOL = -10^{\circ}C$	Pdh	214	kW	<i>Tj</i> = -10°C	COP _d	2.10	%
For air-to-water heat pumps: Operation limit temperature $Tj = -^{\circ}C$	Pdh	-	kW	For air-to-water heat pumps: <i>Tj</i> = +-°C	COP _d	-	%
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	T ol	-10	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	%
Degradation co-efficient chillers(*)	C _{dh}	0.99	_	Heating water operating limit temperature	WTol	60.0000	°C
Power consumptio	n in modes	other than ' a	ctive mode	Supplementary heat	er	•	•
Off mode	P _{OFF}	0.02	kW	Back-up heating capacity (*)	elbu	-	kW
Thermostat-off mode	P _{TO}	1.32	kW	Type of energy input			-
Crankcase heater mode	P _{CK}	0.22	kW	Standby mode	P _{SB}	0.15	kW
Other items				•			
Capacity control		staged		For air-to-air heat pumps: air flow rate, outdoor measured	_	133120	m³/h
Sound power level, indoor/outdoor measured Emissions of nitrogen oxides (if applicable)	L _{WA} NOx(**	0/91.5 0.0	dB mg/kW h fuel input GCV	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	_	-	m³/h
GWP of the refrigerant		466	kg CO₂ eq (100 years)				
Contact details	prova						
(*)							<u></u>

(*)

(***) From 26 September 2018. Where information relates to multi-split heat pumps, the test result and performance data may 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.

^(**) If Cdh is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25.