Product Fiche

Importer: Salvador Escoda S.A.

Address: Provenza, 392 P2, 08025 Barcelona (Spain)

			Tech	nnical parameters					
Model(s):				MUENR-30-H7T(K)					
Air-to-water heat pump:				YES					
Water-to-water heat pump:				NO					
Brine-to-water heat pump:				NO					
Low-temperature heat pump:				YES					
Equipped with a supplementary	heater:			NO					
Heat pump combination heater:				NO					
Declared climate condition:				AVERAGE					
Parameters are declared for low	-temperatur	e application	n.						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit		
Rated heat output (*)	Prated	18	KW	Seasonal space heating energy efficiency	ηѕ	128	%		
Declared capacity for heating fo	r part load a	t outdoor		Declared coefficient of performance or primary energy ratio for part load at					
temperature Tj				outdoor temperature Tj					
Tj = -7℃	Pdh	15.9	KW	Tj = -7°C	COPd	2.17	-		
Tj = 2℃	Pdh	9.7	KW	Tj = 2°C	COPd	3.44	-		
Tj = 7°C	Pdh	6.5	KW	Tj = 7°C	COPd	4.55	-		
Tj = 12℃	Pdh	8.0	KW	Tj = 12 C	COPd	6.45			
Tj=bivalent temperature	Pdh	15.9	KW	Tj=bivalent temperature	COPd	2.17			
Tj = operating limit	Pdh	16.4	KW	Tj = operating limit	COPd	1.70	-		
For air-to-water heat pumps:				For air-to-water heat pumps: Tj = -15 °C	COPd	-	-		
Tj = -15℃	Pdh	-	KW						
Bivalent temperature	Tbiv	-7	С	For air-to-water heat pumps: Operation limit temperature	TOL	-10	С		
Cycling interval capacity forheating	Pcy ch	-	KW	Cycling interval efficiency	COPcy c	-	-		
Degradation co-efficient (**)	Cdh	0.99		Heating water operating limit temperature	WTOL	-	C		
Power consumption in modes of	ther than act	tive mode	1	Supplementary heater					
Off mode	Pof f	0.075	kW		Psup	-	-		
Standby mode	Psb	0.075	kW	Rated heat output (**)					
Thermostat-off mode	Pto	0.500	kW	Type of energy input		-			
Crankcase heater mode	Pck	0.075	kW						
Other items		I							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	12500	m³/h		
Sound power level, outdoors	LWA	78	dB	For water- or brine-to-water heat pumps: Rated					
Annual energy consumption	QHE	12100	kWh	brine or water flow rate, outdoor heatexchanger	-	-	m³/h		
For heat pump combination hea	ter:			,					
Declared load profile		-		Water heating energy fficiency	ηwh	-	%		
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qf uel	-	kWh		
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ		
Contact details	SALVADO	R ESCODA	SA, C/PI	ROVENZA 392 P2 08172 BARCELONA (SPAIN)					

^(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesignh.

and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,99.

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Model(s): varin-to-water heat pump: Vater-to-water heat pump: varine-to-water heat pump: ow-temperature heat pump: quipped with a supplementary heater: deat pump combination heater: declared climate condition: varameters are declared for low-temperature.				MUENR-60-H7T(K YES NO	()													
Vater-to-water heat pump: Prine-to-water heat pump: ow-temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for low-tempera																		
Prine-to-water heat pump: ow-temperature heat pump: Equipped with a supplementary heater: deat pump combination heater: Declared climate condition: Parameters are declared for low-temperature.				NO			YES											
ow-temperature heat pump: Equipped with a supplementary heater: Heat pump combination heater: Declared climate condition: Parameters are declared for low-temperature.																		
equipped with a supplementary heater: leat pump combination heater: lectared climate condition: learameters are declared for low-tempera				NO														
leat pump combination heater: Declared climate condition: Parameters are declared for low-tempera				YES														
Declared climate condition: Parameters are declared for low-tempera				NO														
Parameters are declared for low-tempera				NO														
<u>.</u>				AVERAGE														
Item	ature applicat	ion.																
	Symbol	Value	Unit	Item	Symbol	Value	Unit											
Rated heat output (*)	Prated	31	KW	Seasonal space heating energy efficiency	ηs	135	%											
Declared capacity for heating for part loa	d at outdoor	temperature	Declared coefficient of performance or primary energy ratio for part load at															
			outdoor temperature Tj															
'j = -7℃	Pdh	26.1	KW	Tj = -7℃	COPd	2.59	-											
ï = 2°C	Pdh	16.7	KW	Tj = 2°C	COPd	3.56	-											
; ;; = 7°C	Pdh	11.8	KW	Tj = 7℃	COPd	3.87	-											
; ; = 12℃	Pdh	11.2	KW	Tj = 12℃	COPd	5.70	-											
j=bivalent temperature	Pdh	31.0	KW	Tj=bivalent temperature	COPd	2.32	_											
j = operating limit	Pdh	31.0	KW	Tj = operating limit	COPd	2.32	_											
For air-to-water heat pumps: Tj = -15°C	Pdh	-	KW	For air-to-water heat pumps: Tj =	COPd	-	-											
sivalent temperature	Tbiv	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C											
Cycling interval capacity forheating	Pcy ch	-	KW	Cycling interval efficiency	COPcy c	-	-											
Degradation co-efficient (**)	Cdh	0.99		Heating water operating limit temperature	WTOL	35	°C											
Power consumption in modes other than	active mode			Supplementary heater														
Off mode	Pof f 0.075 kW			Rated heat output (**)														
Standby mode	Psb	0.075	kW	-	Psup	-	-											
Thermostat-off mode	Pto	0.600	kW	Type of energy input														
Crankcase heater mode	Pck	0.075	kW	- Type of energy input		-												
	FCK	0.073	NVV															
Other items Capacity control		variable		For air-to-water heat pumps: Rated														
				air flow rate, outdoors	-	24000	m³/h											
Sound power level, outdoors	LWA	86	dB	For water- or brine-to-water heat														
unnual energy consumption	QHE	18998	kWh	pumps: Rated brine or water flow rate, outdoor heatexchanger	-	-	m³/ h											
for heat pump combination heater:				.a.c., odiadoi fidatoxofiarigoi			L											
Declared load profile	-			Water heating energy efficiency	ηwh	-	%											
Paily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qf uel	-	kWł											
Annual electricity consumption	AEC	_	kWh	Annual fuel consumption	AFC	_	GJ											
Contact details	SALVADOR ESCODA SA, C/PROVENZA 392 P2 08172 BARCELONA (SPAIN)																	

and the rated heat output of a supplementary heater Psup is equal to the supplementary capacity for heating sup(Tj).

^(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh =0.99.