EMICON
INNOVATION and COMFORT
EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Sede operativa: Via A. Volta n°49 - 47014 Meldola (FC) ITALY
Sede Legale: Via R. Brusi n°37 - 47521 Cesena (FC) ITALY
Tel: +39 0543 495611 - Web: www.emiconac.it - E-mail: info@emiconac.it

Model(s):	PAE881Kp/Everest290
Ait-to-water heat pump: [yes/no]	Yes
Water-to-water heat pump: [yes/no]	No
Brine-to-water heat pump: [yes/no]	No
Low-temperature heat pump: [yes/no]	No
Equipped with a supplementary heater: [yes/no]	No
Heat pump combination heater: [yes/no]	Yes

Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps.

For low- temperature heat pumps, parameters shall be declared for low-temperature application.

Parameters shall be declared for average climate conditions.

Item		*Symbol*	*Symbol*	*Unit*
Rated heat output (*)	**Average**	Prated	62.3	kW
	Warmer		-	kW
	Colder		-	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j				
T_j = - 7 °C		Pdh	55.1	kW
T_j = + 2 °C		Pdh	33.6	kW
T_j = + 7 °C		Pdh	21.6	kW
T_j = + 12 °C		Pdh	9.59	kW
Tj = Bivalent temperature	Average	Pdh	55.1	kW
	Warmer	Pdh	-	kW
	Colder	Pdh	-	kW
Tj= Operation limit temperature		Pdh	12,6	kW
For air-to-water heat pumps: T j = – 15 °C (if TOL < – 20 °C)		Pdh	-	kW
Bivalent temperature	Average	T_{biv}	-10,0	°C
	Warmer		-	°C
	Colder		-	°C
Cycling interval capacity for heating		Pcych	-	kW
Degradation co-efficient (**)		Cdh	0.96	-
Power consumption in modes other than active mode				
Off mode	Average	P_{OFF}	0.02	kW
	Warmer		-	kW
	Colder		-	kW
Thermostat-off mode	Average	P_{TO}	0.0237	kW
	Warmer		-	kW
	Colder		-	kW
Standby mode	Average	P_{SB}	0.02	kW
	Warmer		-	kW
	Colder		-	kW
Crankcase heater mode	Average	P_{CK}	0.18	kW
	Warmer		-	kW
	Colder		-	kW

Item		*Symbol*	*Symbol*	*Unit*
Seasonal space heating energy efficiency	**Average**	η_s	130	%
	Warmer		-	%
	Colder		-	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T j				
T_j = - 7 °C		COP_d	2.06	-
T_j = + 2 °C		COP_d	3.38	-
T_j = + 7 °C		COP_d	4.19	-
T_j = + 12 °C		COP_d	4.74	-
Tj = Bivalent temperature	Average	COP_d	2.06	-
	Warmer	COP_d	-	-
	Colder	COP_d	-	-
Tj= Operation limit temperature		COP_d	-	-
For air-to-water heat pumps: T j = – 15 °C (if TOL < – 20 °C)		COP_d	-	-
For air-to-water heat pumps: Operation limit temperature		TOL	-20	°C
Cycling interval efficiency		COPcyc	-	-
Heating water operating limit temperature		WTOL	58	°C
Supplementary heater				
Rated heat output (*)		P_{sup}	-	kW
Type of energy input			-	
Energy efficiency class			A++	-
	Average	SCOP	3.32	-
	Warmer		-	-
	Colder		-	-
Annual energy consumption for space heating	Average	Qn	119304	kWh
	Warmer		-	kWh
	Colder		-	kWh

Other items

Capacity control		Staged			For air-to-water heat pumps: Rated air flow rate, outdoors	43032 m³/h
Sound power level, outdoors/indoors	89	-	dB		For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	- m³/h

For heat pump combination heater:

Declared load profile	-	4XL			Energy efficiency class		- %
					Water heating energy efficiency	η_{wh}	130 %
Daily electricity consumption	Qelec	28.79	kWh		Daily fuel consumption	Qfuel	- kWh
Annual electricity consumption	AEC	6322	kWh		Annual fuel consumption	AFC	- GJ

Contact details	www.emicon.it – emicon@emiconac.it	Name and address of the manufacturer or its authorised representative	Emicon AC Spa Via A. Volta, 49 – 47014 Medola (FC) Italy

(*) 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 = 0,9.

In compliance with 811/2013 - 813/2013 Regulations