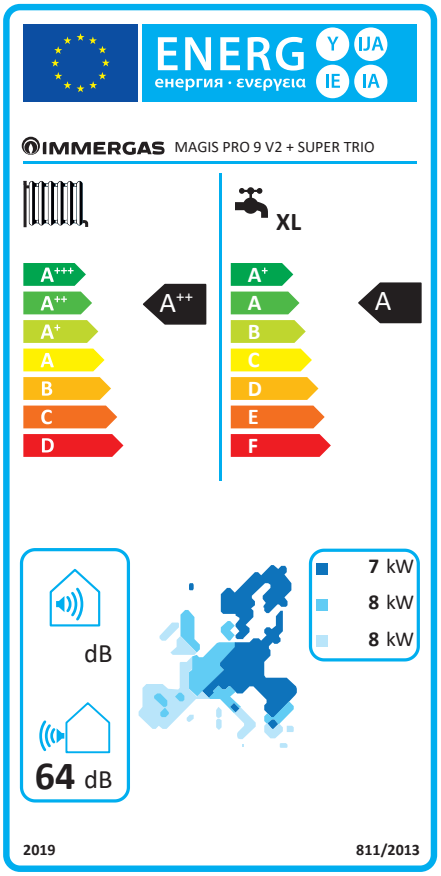
Low temperature table (30/35) average zones

Model: **Magis Pro 9 V2 + Omnistor 300**							
Air/water heat pump: yes							
Water/water heat pump: no							
Brine/water heat pump: no							
Low temperature heat pump: no							
With additional central heating device: no							
Mixed central heating device with heat pump: yes							
The parameters are declared for average climatic conditions							
Element	**Symbol**	**Value**	**Unit**		**Element**	**Symbol**	**Value**	**Unit**
Nominal heat output	*Nominal output*	9	kW		**Room central heating sea-sonal energy efficiency**	η_S	175	%
Central heating capacity declared with a partial load and indoor temperature equivalent to 20°C and outdoor temperature Tj					Performance coefficient declared with indoor temperature equivalent to 20°C and outdoor temperature TJ			
T_j = – 7 °C	*Pdh*	7.5	kW		T_j = – 7 °C	*COPd*	2.64	–
T_j = + 2 °C	*Pdh*	4.6	kW		T_j = + 2 °C	*COPd*	4.17	–
T_j = + 7 °C	*Pdh*	2.9	kW		T_j = + 7 °C	*COPd*	6.53	–
T_j = + 12 °C	*Pdh*	2.7	kW		T_j = + 12 °C	*COPd*	8.87	–
T_j = bivalent temperature	*Pdh*	7.5	kW		T_j = bivalent temperature	*COPd*	2.64	–
T_j = temperature operating limit	*Pdh*	6.7	kW		T_j = temperature operating limit	*COPd*	2.32	–
for air/water heat pumps: T_j = – 15 °C (if TOL < – 20 °C)	*Pdh*	-	kW		for air/water heat pumps: T_j = – 15 °C (if TOL < – 20 °C)	*COPd*	-	–
Bivalent temperature	T_{biv}	-7	°C		for air/water heat pumps: temperature operating limit	*TOL*	-10	°C
Central heating capacity cycle intervals	*Pcych*	-	kW		Cycle intervals efficiency	*COPcyc or PERcyc*	-	–
Degradation coefficient	*Cdh*	0.9	—		Water heating temperature operating limit	*WTOL*	-	°C
Different mode of energy consumption from the active mode					Additional heating appliance			
OFF mode	P_{OFF}	0.008	kW		Nominal heat output	*Psup*	-	kW
Thermostat mode off	P_{TO}	0.021	kW		Type of energy supply voltage	Electrical		
Standby mode	P_{SB}	0.021	kW					
Guard heating mode	P_{CK}	0.000	kW					
Other items								
Capacity control	Variable				For air/water heat pumps: nominal air output to outside	—	3960	m^3/h
Indoor/outdoor sound level	L_{WA}	64	dB		For water or brine/water heat pumps: nominal flow of brine or water, outdoor heat exchanger	—	-	m^3/h
Annual energy consumption	Q_{HE}	3949	kWh orGJ					
For mixed central heating appliances with a heat pump								
Stated load profile	XL				**Water central heating energy efficiency**	η_{wh}	111	%
Daily electrical power consumption	Q_{elec}	7.14	kWh		Daily fuel consumption	Q_{fuel}	-	kWh
annual energy consumption	*AEC*	1511	kWh		Annual fuel consumption	*AFC*	-	GJ
Contact information	IMMERGAS S.p.A via Cisa Ligure n.95 - 42041 Brescello (RE) Italy							

Average temperature table (47/55) average zones

Model: **Magis Pro 9 V2 + Super Trio**							
Air/water heat pump: yes							
Water/water heat pump: no							
Brine/water heat pump: no							
Low temperature heat pump: no							
With additional central heating device: no							
Mixed central heating device with heat pump: yes							
The parameters are declared for average temperature application, except for low temperature heat pumps. The parameters for low temperature heat pumps are declared for low temperature application							
The parameters are declared for average climatic conditions							
Element	**Symbol**	**Value**	**Unit**		**Element**	**Symbol**	**Value**	**Unit**
Nominal heat output	*Nominal output*	8.00	kW		**Room central heating seasonal energy efficiency**	η_s	127	%
Central heating capacity declared with a partial load and indoor temperature equivalent to 20°C and outdoor temperature Tj					Performance coefficient declared with indoor temperature equivalent to 20°C and outdoor temperature TJ			
T_j = – 7 °C	*Pdh*	7,1	kW		T_j = – 7 °C	*COPd*	1,76	–
T_j = + 2 °C	*Pdh*	4,3	kW		T_j = + 2 °C	*COPd*	3,32	–
T_j = + 7 °C	*Pdh*	2,8	kW		T_j = + 7 °C	*COPd*	4,62	–
T_j = + 12 °C	*Pdh*	2,6	kW		T_j = + 12 °C	*COPd*	5,88	–
T_j = bivalent temperature	*Pdh*	7,1	kW		T_j = bivalent temperature	*COPd*	1,76	–
T_j = temperature operating limit	*Pdh*	4,9	kW		T_j = temperature operating limit	*COPd*	1,35	–
for air/water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	*Pdh*	-	kW		for air/water heat pumps: Tj = – 15 °C (if TOL < – 20 °C)	*COPd*	-	–
Bivalent temperature	T_{biv}	-7	°C		for air/water heat pumps: temperature operating limit	*TOL*	-10	°C
Central heating capacity cycle intervals	*Pcych*	-	kW		Cycle intervals efficiency	*COPcyc or PERcyc*	-	–
Degradation coefficient	*Cdh*	0,9	—		Water heating temperature operating limit	*WTOL*	-	°C
Different mode of energy consumption from the active mode					Additional heating appliance			
OFF mode	P_{OFF}	0,022	kW		Nominal heat output	*Psup*	2.00	kW
Thermostat mode off	P_{TO}	0,022	kW		Type of energy supply voltage	integration		
Standby mode	P_{SB}	0,022	kW					
Guard heating mode	P_{CK}	0,000	kW					
Other items								
Capacity control	Variable				For air/water heat pumps: nominal air output to outside	—	3960	m^3/h
Indoor/outdoor sound level	L_{WA}	64	dB		For water or brine/water heat pumps: nominal flow of brine or water, outdoor heat exchanger	—	-	m^3/h
Annual energy consumption	Q_{HE}	5103	kWh or GJ					
For mixed central heating appliances with a heat pump								
Stated load profile	XL				**Water central heating energy efficiency**	η_{wh}	111	%
Daily electrical power consumption	Q_{elec}	7.14	kWh		Daily fuel consumption	Q_{fuel}	-	kWh
annual energy consumption	*AEC*	1511	kWh		Annual fuel consumption	*AFC*	-	GJ
Contact information	Immergas s.p.a via Cisa Ligure n.95							


ENERG
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IMMERGAS MAGIS PRO 9 V2 + SUPER TRIO
XL
A+++
A++
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A
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A
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C
D
E
F
A
dB
64 dB
7 kW
8 kW
8 kW
2019
811/2013

Model: **Magis Pro 9 V2 + Omnistor 300**								
For mixed central heating appliances with a heat pump								
Stated Load Profile	XL				**Water central heating energy efficiency**	η_{wh}	111	%
Daily electrical power consumption	Q_{elec}	7.14	kWh		Daily fuel consumption	Q_{fuel}	-	kWh
Annual energy consumption	*AEC*	1511	kWh		Annual fuel consumption	*AFC*	-	GJ
Standby Heat Loss		2.18	kWh /day		Reference hot water temperature	θ'_{WH}	53.0	°C
Volume of DHW accounted for in test		300	L		Water heating temperature operating limit	*WTOL*	65	°C
Test data as per EN 16147:2017								
Contact information	IMMERGAS S.p.A via Cisa Ligure n.95 - 42041 Brescello (RE) Italy							