

OMNIA M 3.2 22T÷30T

POMPE DI CALORE REVERSIBILI PER INSTALLAZIONE ESTERNA
CON COMPRESSORE DC INVERTER

REVERSIBLE HEAT PUMP UNITS FOR OUTDOOR INSTALLATION
WITH DC INVERTER COMPRESSOR



Cod. 3QE47980 - Rev. 03 - 06/2023



IT

BOLLETTINO TECNICO

EN

TECHNICAL BULLETIN

Dati ERP / ERP data

Modello / Models		22T	26T	30T	UM
Classe di efficienza in riscaldamento / Seasonal space heating energy efficiency class	bassa temperatura (acqua prodotta 35°C) low temperature (water outlet at 35°C)	178 A+++	177 A+++	165 A++	ηs (%) class
	media temperatura (acqua prodotta 55°C) medium temperature (water at 55°C)	126 A++	123 A+	123 A+	ηs (%) class
	bassa temperatura (acqua prodotta 35°C) low temperature (water outlet at 35°C)	4,53	4,50	4,19	W/W
	media temperatura (acqua prodotta 55°C) medium temperature (water at 55°C)	3,22	3,14	3,14	W/W
SEER	acqua prodotta 7°C water at 7°C	4,70	4,66	4,49	W/W
	acqua prodotta 18°C water at 18°C	5,67	5,88	5,71	W/W

NOTA: Classe di efficienza calcolata secondo regolamento europeo 811/2013. I valori si riferiscono ad unità prive di eventuali opzioni o accessori.

NOTA: Declared according to European regulation 811/2013. The values are referred to units without options and accessories.

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FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima medio - Media temperatura (55°C) / Heating mode - Average climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		AVERAGE					
Parameters are declared for medium-temperature application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22,4	kW	Seasonal space heating energy efficiency		126	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7	Pdh	19,8	kW	Tj = -7	COPd	1,74	-
Tj = 2	Pdh	11,9	kW	Tj = 2	COPd	3,3	-
Tj = 7	Pdh	8	kW	Tj = 7	COPd	4,62	-
Tj = 12	Pdh	3,6	kW	Tj = 12	COPd	5,2	-
Tj = bivalent temperature	Pdh	19,8	kW	Tj = bivalent temperature	COPd	1,74	-
Tj = operating limit	Pdh	13,8	kW	Tj = operating limit	COPd	1,08	-
For air-to-water heat pumps: Tj = -15	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	2,6	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	-73	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	14390	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) For heat pump space heaters and heat pump combination heaters, the rated heat output Prated is equal to the design load for heating Pdesign, 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima più freddo - Media temperatura (55°C) / Heating mode - Colder climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22,4	kW	Seasonal space heating energy efficiency	η_s	102	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	13,5	kW	Tj = -7°C	COPd	2,07	-
Tj = 2°C	Pdh	8,6	kW	Tj = 2°C	COPd	3,70	-
Tj = 7°C	Pdh	5,2	kW	Tj = 7°C	COPd	4,49	-
Tj = 12°C	Pdh	3,7	kW	Tj = 12°C	COPd	5,76	-
Tj = bivalent temperature	Pdh	13,5	kW	Tj = bivalent temperature	COPd	2,07	-
Tj = operating limit	Pdh	13,8	kW	Tj = operating limit	COPd	1,24	-
For air-to-water heat pumps: Tj = -15°C	Pdh	13,8	kW	For air-to-water heat pumps: Tj = -15	COPd	1,24	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-15	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	50	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	8,9	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	- / 73	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	21067	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qclec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima più caldo - Media temperatura (55°C) / Heating mode - Warmer climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22,0	kW	Seasonal space heating energy efficiency	η_s	161	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	22,1	kW	Tj = 2°C	COPd	2,12	-
Tj = 7°C	Pdh	14,1	kW	Tj = 7°C	COPd	3,50	-
Tj = 12°C	Pdh	6,4	kW	Tj = 12°C	COPd	5,34	-
Tj = bivalent temperature	Pdh	14,1	kW	Tj = bivalent temperature	COPd	3,50	-
Tj = operating limit	Pdh	22,1	kW	Tj = operating limit	COPd	2,12	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	7,9	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	L _{WA}	-73	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	7180	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima medio - Bassa temperatura (35°C) / Heating mode - Average climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		AVERAGE					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22	kW	Seasonal space heating energy efficiency	ηs	178	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	19,73	kW	Tj = -7°C	COPd	2,74	-
Tj = 2°C	Pdh	12,04	kW	Tj = 2°C	COPd	4,4	-
Tj = 7°C	Pdh	8,02	kW	Tj = 7°C	COPd	6,24	-
Tj = 12°C	Pdh	3,81	kW	Tj = 12°C	COPd	7	-
Tj = bivalent temperature	Pdh	19,73	kW	Tj = bivalent temperature	COPd	2,74	-
Tj = operating limit	Pdh	20,34	kW	Tj = operating limit	COPd	2,35	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	2,27	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	/73	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	10180	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima più freddo - Bassa temperatura (35°C) / Heating mode - Colder climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	21	kW	Seasonal space heating energy efficiency	ηs	146	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	13,3	kW	Tj = -7°C	COPd	3,12	-
Tj = 2°C	Pdh	8,25	kW	Tj = 2°C	COPd	4,42	-
Tj = 7°C	Pdh	5,45	kW	Tj = 7°C	COPd	5,87	-
Tj = 12°C	Pdh	3,98	kW	Tj = 12°C	COPd	7,19	-
Tj = bivalent temperature	Pdh	17,46	kW	Tj = bivalent temperature	COPd	2,36	-
Tj = operating limit	Pdh	13,27	kW	Tj = operating limit	COPd	1,69	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	-15	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	3,54	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	14179	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo riscaldamento - Clima più caldo - Bassa temperatura (35°C) / Heating mode - Warmer climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 22T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	22	kW	Seasonal space heating energy efficiency	η_s	234	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	21,81	kW	Tj = 2°C	COPd	3,31	-
Tj = 7°C	Pdh	14,08	kW	Tj = 7°C	COPd	5,2	-
Tj = 12°C	Pdh	6,44	kW	Tj = 12°C	COPd	7,5	-
Tj = bivalent temperature	Pdh	14,08	kW	Tj = bivalent temperature	COPd	5,2	-
Tj = operating limit	Pdh	21,81	kW	Tj = operating limit	COPd	3,31	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	7,92	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	4945	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo raffreddamento - Clima Medio - Bassa temperatura (7°C) / Cooling mode - Average climate - Low temperature (7°C)

Information requirements for comfort chillers										
Model(s):				OMNIA M 3.2 22T						
Outdoor side heat exchanger of chiller:				Air to water						
Indoor side heat exchanger chiller:				Water						
Type:				Compressor driven vapour compression						
Driver of compressor:				Electric motor						
Item		Symbol	Value	Unit		Item		Symbol	Value	Unit
Rated cooling capacity		P _{rated,c}	20,6	kW		Seasonal space cooling energy efficiency		η _{s,c}	185	%
Declared cooling capacity for part load at given outdoor temperature T _j						Declared energy efficiency ratio for part load at given outdoor temperature T _j				
T _j =+35°C		P _{dc}	20,6	kW		T _j =+35°C		EERd	2,89	-
T _j =+30°C		P _{dc}	14,9	kW		T _j =+30°C		EERd	3,95	-
T _j =+25°C		P _{dc}	9,3	kW		T _j =+25°C		EERd	5,37	-
T _j =+20°C		P _{dc}	4,3	kW		T _j =+20°C		EERd	6,19	-
Degradation co-efficient for chillers (*)		C _{dc}	0,9	-						
Power consumption in modes other than “active mode”										
Off mode		P _{OFF}	0,017	kW		Crankcase heater mode		P _{CK}	0,000	kW
Thermosat-off mode		P _{TO}	0,084	kW		Standby mode		P _{SB}	0,017	kW
Other items										
Capacity control		variable				For air-to-water comfort chillers: air flow rate, outdoor measured		-	8950	m³/h
Sound power level, indoors / outdoors		L _{WA}	-73	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		-	-	m³/h
Emissions of nitrogen oxides (if applicable)		NOx (**)	-	mg/kWh input GCV						
GWP of the refrigerant		-	675	kg CO ₂ eq (100years)						
Standard rating conditions used			Low temperature application							
Contact details			Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.										

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 22T - Modo raffreddamento - Clima Medio - Media temperature (18°C) / Cooling mode - Average climate - Medium temperature (18°C)

Information requirements for comfort chillers								
Model(s):				OMNIA M 3.2 22T				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	22,8	kW		Seasonal space cooling energy efficiency	η _{s,c}	224	%
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j			
T _j =+35°C	P _{dc}	22,8	kW		T _j =+35°C	EERd	4,25	-
T _j =+30°C	P _{dc}	16,3	kW		T _j =+30°C	EERd	5,16	-
T _j =+25°C	P _{dc}	10,2	kW		T _j =+25°C	EERd	6,45	-
T _j =+20°C	P _{dc}	4,6	kW		T _j =+20°C	EERd	6,38	-
Degradation co-efficient for chillers (*)	C _{dc}	0,9	-					
Power consumption in modes other than “active mode”								
Off mode	P _{OFF}	0,017	kW		Crankcase heater mode	P _{CK}	0,000	kW
Thermosat-off mode	P _{TO}	0,084	kW		Standby mode	P _{SB}	0,017	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	8950	m³/h
Sound power level, indoors / outdoors	L _{WA}	-73	dB					
Emissions of nitrogen oxides (if applicable)	NOx (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	675	kg CO ₂ eq (100years)					
Standard rating conditions used		Medium temperature application						
Contact details		Ferrol spa ↗ 37047 San Bonifacio (Verona) Italy ↗ Via Ritonda 78/A - tel. +39.045.6139411 ↗ fax +39.045.6100933 ↗ www.ferrol.com						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima medio - Media temperatura (55°C) / Heating mode - Average climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 26T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		AVERAGE					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	26,1	kW	Seasonal space heating energy efficiency	η_s	123	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	20,6	kW	Tj = -7°C	COPd	1,69	-
Tj = 2°C	Pdh	14,3	kW	Tj = 2°C	COPd	3,11	-
Tj = 7°C	Pdh	9,3	kW	Tj = 7°C	COPd	4,72	-
Tj = 12°C	Pdh	3,9	kW	Tj = 12°C	COPd	5,41	-
Tj = bivalent temperature	Pdh	22,1	kW	Tj = bivalent temperature	COPd	1,88	-
Tj = operating limit	Pdh	13,8	kW	Tj = operating limit	COPd	1,08	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	-6	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	4	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-75	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	17204	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferroli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima più freddo - Media temperatura (55°C) / Heating mode - Colder climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 26T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	26,3	kW	Seasonal space heating energy efficiency	η_s	101	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	15,9	kW	Tj = -7°C	COPd	2,10	-
Tj = 2°C	Pdh	10,2	kW	Tj = 2°C	COPd	3,58	-
Tj = 7°C	Pdh	6,5	kW	Tj = 7°C	COPd	4,99	-
Tj = 12°C	Pdh	3,6	kW	Tj = 12°C	COPd	5,68	-
Tj = bivalent temperature	Pdh	15,9	kW	Tj = bivalent temperature	COPd	2,10	-
Tj = operating limit	Pdh	13,4	kW	Tj = operating limit	COPd	1,20	-
For air-to-water heat pumps: Tj = -15°C	Pdh	13,4	kW	For air-to-water heat pumps: Tj = -15°C	COPd	1,20	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-15	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	50	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	10,4	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-75	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	24967	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferroli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima più caldo - Media temperatura (55°C) / Heating mode - Warmer climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 26T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	26,2	kW	Seasonal space heating energy efficiency	ηs	168	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	26,5	kW	Tj = 2°C	COPd	1,99	-
Tj = 7°C	Pdh	16,9	kW	Tj = 7°C	COPd	3,47	-
Tj = 12°C	Pdh	7,6	kW	Tj = 12°C	COPd	5,94	-
Tj = bivalent temperature	Pdh	16,9	kW	Tj = bivalent temperature	COPd	3,47	-
Tj = operating limit	Pdh	26,5	kW	Tj = operating limit	COPd	1,99	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	9,3	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-75	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	8218	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrolispa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolispa.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima medio - Bassa temperatura (35°C) / Heating mode - Average climate - Low temperature (35°C)

Technical parameters																																															
Model(s):		OMNIA M 3.2 26T																																													
Air-to-water heat pump:		YES																																													
Water-to-water heat pump:		NO																																													
Brine-to-water heat pump:		NO																																													
Low-temperature heat pump:		NO																																													
Equipped with a supplementary heater:		NO																																													
Heat pump combination heater:		NO																																													
Declared climate condition:		AVERAGE																																													
Parameters are declared for low-temperature (35°C) application.																																															
Item				Symbol				Value				Unit																																			
Rated heat output (*)				Prated				25				kW																																			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Tj = -7°C				Pd				22,15				kW																															
Tj = 2°C				Pd				13,78				kW																																			
Tj = 7°C				Pd				9,38				kW																																			
Tj = 12°C				Pd				4,11				kW																																			
Tj = bivalent temperature				Pd				22,15				kW																																			
Tj = operating limit				Pd				20,36				kW																																			
For air-to-water heat pumps: Tj = -15°C				Pd				-				kW																																			
Bivalent temperature				Tbiv				-7				°C																																			
Cycling interval capacity for heating				Pcyc				-				kW																																			
Degradation co-efficient (**)				Cdh				0,9				--																																			
Power consumption in modes other than active mode				Off mode				Poff				0,018				kW																															
Standby mode				Psb				0,018				kW																																			
Thermostat-off mode				Pto				0,096				kW																																			
Crankcase heater mode				Pck				0,000				kW																																			
Other items				Capacity control				variable				Sound power level, indoors/outdoors				LWA				/75				dB																							
Annual energy consumption				QHE				11489				kWh				For air-to-water heat pumps: Rated air flow rate, outdoors				-				10650				m³/h																			
For heat pump combination heater:				Declared load profile				-				Daily electricity consumption				Qelec				-				kWh				Annual electricity consumption				AEC				-				kWh							
Water heating energy efficiency				wh				-				%				Daily fuel consumption				Qfuel				-				kWh				Annual fuel consumption				AFC				-				GJ			
Contact details				Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com				(*) 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.																																			

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima più freddo - Bassa temperatura (35°C) / Heating mode - Colder climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 26T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	26	kW	Seasonal space heating energy efficiency	η_s	143	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	15,91	kW	Tj = -7°C	COPd	3,1	-
Tj = 2°C	Pdh	10,1	kW	Tj = 2°C	COPd	4,45	-
Tj = 7°C	Pdh	6,3	kW	Tj = 7°C	COPd	6,06	-
Tj = 12°C	Pdh	4,03	kW	Tj = 12°C	COPd	7,13	-
Tj = bivalent temperature	Pdh	18,97	kW	Tj = bivalent temperature	COPd	2,36	-
Tj = operating limit	Pdh	13,07	kW	Tj = operating limit	COPd	1,67	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	-12	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	7,03	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	17421	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo riscaldamento - Clima più caldo - Bassa temperatura (35°C) / Heating mode - Warmer climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 26T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	26	kW	Seasonal space heating energy efficiency	η_s	231	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	25,5	kW	Tj = 2°C	COPd	3	-
Tj = 7°C	Pdh	16,77	kW	Tj = 7°C	COPd	5,02	-
Tj = 12°C	Pdh	7,65	kW	Tj = 12°C	COPd	7,78	-
Tj = bivalent temperature	Pdh	16,77	kW	Tj = bivalent temperature	COPd	5,02	-
Tj = operating limit	Pdh	25,5	kW	Tj = operating limit	COPd	3	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	9,23	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	5959	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrolispa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolis.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo raffreddamento - Clima Medio - Bassa temperatura (7°C) / Cooling mode - Average climate - Low temperature (7°C)

Information requirements for comfort chillers										
Model(s):				OMNIA M 3.2 26T						
Outdoor side heat exchanger of chiller:				Air to water						
Indoor side heat exchanger chiller:				Water						
Type:				Compressor driven vapour compression						
Driver of compressor:				Electric motor						
Item		Symbol	Value	Unit		Item		Symbol	Value	Unit
Rated cooling capacity		P _{rated,c}	25,5	kW		Seasonal space cooling energy efficiency		η _{s,c}	183	%
Declared cooling capacity for part load at given outdoor temperature T _j						Declared energy efficiency ratio for part load at given outdoor temperature T _j				
T _j =+35°C		P _{dc}	25,5	kW		T _j =+35°C		EERd	2,63	-
T _j =+30°C		P _{dc}	18,5	kW		T _j =+30°C		EERd	3,79	-
T _j =+25°C		P _{dc}	11,8	kW		T _j =+25°C		EERd	5,19	-
T _j =+20°C		P _{dc}	5,6	kW		T _j =+20°C		EERd	6,84	-
Degradation co-efficient for chillers (*)		C _{dc}	0,9	-						
Power consumption in modes other than “active mode”										
Off mode		P _{OFF}	0,017	kW		Crankcase heater mode		P _{CK}	0,000	kW
Thermosat-off mode		P _{TO}	0,084	kW		Standby mode		P _{SB}	0,017	kW
Other items										
Capacity control		variable				For air-to-water comfort chillers: air flow rate, outdoor measured		-	9750	m³/h
Sound power level, indoors / outdoors		L _{WA}	-75	dB		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger		-	-	m³/h
Emissions of nitrogen oxides (if applicable)		NOx (**)	-	mg/kWh input GCV						
GWP of the refrigerant		-	675	kg CO ₂ eq (100years)						
Standard rating conditions used			Low temperature application							
Contact details			Ferroli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.										

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 26T - Modo raffreddamento - Clima Medio - Media temperature (18°C) / Cooling mode - Average climate - Medium temperature (18°C)

Information requirements for comfort chillers									
Model(s):				OMNIA M 3.2 26T					
Outdoor side heat exchanger of chiller:				Air to water					
Indoor side heat exchanger chiller:				Water					
Type:				Compressor driven vapour compression					
Driver of compressor:				Electric motor					
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit	
Rated cooling capacity	P _{rated,c}	26,8	kW		Seasonal space cooling energy efficiency	η _{s,c}	226	%	
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j				
T _j =+35°C	P _{dc}	26,8	kW		T _j =+35°C	EERd	4,04	-	
T _j =+30°C	P _{dc}	19,4	kW		T _j =+30°C	EERd	5,21	-	
T _j =+25°C	P _{dc}	12,1	kW		T _j =+25°C	EERd	6,23	-	
T _j =+20°C	P _{dc}	5,9	kW		T _j =+20°C	EERd	6,94	-	
Degradation co-efficient for chillers (*)	C _{dc}	0,9	-						
Power consumption in modes other than “active mode”									
Off mode	P _{OFF}	0,017	kW		Crankcase heater mode	P _{CK}	0,000	kW	
Thermosat-off mode	P _{TO}	0,084	kW		Standby mode	P _{SB}	0,017	kW	
Other items									
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	9750	m³/h	
Sound power level, indoors / outdoors	L _{WA}	-75	dB						
Emissions of nitrogen oxides (if applicable)	NOx (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h	
GWP of the refrigerant	-	675	kg CO ₂ eq (100years)						
Standard rating conditions used		Medium temperature application							
Contact details		Ferrolli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolli.com							
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.									

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima medio - Media temperatura (55°C) / Heating mode - Average climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		AVERAGE					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	29,7	kW	Seasonal space heating energy efficiency	η_s	123	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	20,1	kW	Tj = -7°C	COPd	1,63	-
Tj = 2°C	Pdh	16,5	kW	Tj = 2°C	COPd	3,09	-
Tj = 7°C	Pdh	10,5	kW	Tj = 7°C	COPd	4,73	-
Tj = 12°C	Pdh	4,7	kW	Tj = 12°C	COPd	5,85	-
Tj = bivalent temperature	Pdh	24,0	kW	Tj = bivalent temperature	COPd	2,02	-
Tj = operating limit	Pdh	13,8	kW	Tj = operating limit	COPd	1,07	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	5,7	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-77	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	19316	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima più freddo - Media temperatura (55°C) / Heating mode - Colder climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	30,4	kW	Seasonal space heating energy efficiency	ηs	100	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	18,4	kW	Tj = -7°C	COPd	2,10	-
Tj = 2°C	Pdh	11,2	kW	Tj = 2°C	COPd	3,51	-
Tj = 7°C	Pdh	7,4	kW	Tj = 7°C	COPd	5,18	-
Tj = 12°C	Pdh	3,6	kW	Tj = 12°C	COPd	5,73	-
Tj = bivalent temperature	Pdh	18,4	kW	Tj = bivalent temperature	COPd	2,10	-
Tj = operating limit	Pdh	13,1	kW	Tj = operating limit	COPd	1,18	-
For air-to-water heat pumps: Tj = -15°C	Pdh	13,1	kW	For air-to-water heat pumps: Tj = -15°C	COPd	1,18	-
Bivalent temperature	Tbiv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-15	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	50	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	12	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input Electrical			
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-77	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	29238	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferroli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima più caldo - Media temperatura (55°C) / Heating mode - Warmer climate - Medium temperature (55°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for medium-temperature (55°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	29,7	kW	Seasonal space heating energy efficiency	ηs	163	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	26,4	kW	Tj = 2°C	COPd	1,99	-
Tj = 7°C	Pdh	19,1	kW	Tj = 7°C	COPd	3,37	-
Tj = 12°C	Pdh	8,9	kW	Tj = 12°C	COPd	6,09	-
Tj = bivalent temperature	Pdh	19,1	kW	Tj = bivalent temperature	COPd	3,37	-
Tj = operating limit	Pdh	26,4	kW	Tj = operating limit	COPd	1,99	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	10,6	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	11200	m³/h
Sound power level, indoors/outdoors	LWA	-77	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	9580	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrolispa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolis.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima medio - Bassa temperatura (35°C) / Heating mode - Average climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		AVERAGE					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	29	kW	Seasonal space heating energy efficiency	ηs	165	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	21,95	kW	Tj = -7°C	COPd	2,53	-
Tj = 2°C	Pdh	16,22	kW	Tj = 2°C	COPd	4,12	-
Tj = 7°C	Pdh	10,69	kW	Tj = 7°C	COPd	6,21	-
Tj = 12°C	Pdh	4,59	kW	Tj = 12°C	COPd	7,14	-
Tj = bivalent temperature	Pdh	23,57	kW	Tj = bivalent temperature	COPd	2,7	-
Tj = operating limit	Pdh	20,43	kW	Tj = operating limit	COPd	2,34	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15°C	COPd	-	-
Bivalent temperature	Tbiv	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	5,43	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	/77	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	14165	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferroli.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima più freddo - Bassa temperatura (35°C) / Heating mode - Colder climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		COLDER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	29	kW	Seasonal space heating energy efficiency	ηs	138	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	18,49	kW	Tj = -7°C	COPd	3,07	-
Tj = 2°C	Pdh	11,88	kW	Tj = 2°C	COPd	4,42	-
Tj = 7°C	Pdh	7,53	kW	Tj = 7°C	COPd	6,15	-
Tj = 12°C	Pdh	4,11	kW	Tj = 12°C	COPd	6,87	-
Tj = bivalent temperature	Pdh	19,93	kW	Tj = bivalent temperature	COPd	2,44	-
Tj = operating limit	Pdh	13,17	kW	Tj = operating limit	COPd	1,67	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	-10	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-22	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	9,07	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	LWA	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	QHE	20390	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	wh	-	%
Daily electricity consumption	Qelec	-	kWh	Daily fuel consumption	Qfuel	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo riscaldamento - Clima più caldo - Bassa temperatura (35°C) / Heating mode - Warmer climate - Low temperature (35°C)

Technical parameters							
Model(s):		OMNIA M 3.2 30T					
Air-to-water heat pump:		YES					
Water-to-water heat pump:		NO					
Brine-to-water heat pump:		NO					
Low-temperature heat pump:		NO					
Equipped with a supplementary heater:		NO					
Heat pump combination heater:		NO					
Declared climate condition:		WARMER					
Parameters are declared for low-temperature (35°C) application.							
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output (*)	Prated	30	kW	Seasonal space heating energy efficiency	η_s	213	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7°C	Pdh	-	kW	Tj = -7°C	COPd	-	-
Tj = 2°C	Pdh	26,29	kW	Tj = 2°C	COPd	2,94	-
Tj = 7°C	Pdh	19,57	kW	Tj = 7°C	COPd	4,75	-
Tj = 12°C	Pdh	8,9	kW	Tj = 12°C	COPd	7,53	-
Tj = bivalent temperature	Pdh	19,57	kW	Tj = bivalent temperature	COPd	4,75	-
Tj = operating limit	Pdh	26,29	kW	Tj = operating limit	COPd	2,94	-
For air-to-water heat pumps: Tj = -15°C	Pdh	-	kW	For air-to-water heat pumps: Tj = -15	COPd	-	-
Bivalent temperature	Tbiv	7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	2	°C
Cycling interval capacity for heating	Pcyc	-	kW	Cycling interval efficiency	COPcyc	-	-
Degradation co-efficient (**)	Cdh	0,9	--	Heating water operating limit temperature	WTOL	60	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	Poff	0,018	kW	Rated heat output (**)	Psup	10,43	kW
Standby mode	Psb	0,018	kW				
Thermostat-off mode	Pto	0,096	kW	Type of energy input	Electrical		
Crankcase heater mode	Pck	0,000	kW				
Other items							
Capacity control	variable			For air-to-water heat pumps: Rated air flow rate, outdoors	-	10650	m³/h
Sound power level, indoors/outdoors	L _{WA}	-	dB	For water-or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	7540	kWh				
For heat pump combination heater:							
Declared load profile	-			Water heating energy efficiency	η_{wh}	-	%
Daily electricity consumption	Q _{elec}	-	kWh	Daily fuel consumption	Q _{fuel}	-	kWh
Annual electricity consumption	AEC	-	kWh	Annual fuel consumption	AFC	-	GJ
Contact details	Ferrolispa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolis.com						
(*) 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.							

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo raffreddamento - Clima Medio - Bassa temperatura (7°C) / Cooling mode - Average climate - Low temperature (7°C)

Information requirements for comfort chillers								
Model(s):				OMNIA M 3.2 30T				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	29,5	kW		Seasonal space cooling energy efficiency	η _{s,c}	177	%
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j			
T _j =+35°C	P _{dc}	29,5	kW		T _j =+35°C	EERd	2,29	-
T _j =+30°C	P _{dc}	21,2	kW		T _j =+30°C	EERd	3,62	-
T _j =+25°C	P _{dc}	13,5	kW		T _j =+25°C	EERd	5,06	-
T _j =+20°C	P _{dc}	6,0	kW		T _j =+20°C	EERd	6,75	-
Degradation co-efficient for chillers (*)	C _{dc}	0,9	-					
Power consumption in modes other than “active mode”								
Off mode	P _{OFF}	0,017	kW		Crankcase heater mode	P _{CK}	0,000	kW
Thermosat-off mode	P _{TO}	0,084	kW		Standby mode	P _{SB}	0,017	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	10650	m³/h
Sound power level, indoors / outdoors	L _{WA}	-77	dB					
Emissions of nitrogen oxides (if applicable)	NOx (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	675	kg CO ₂ eq (100years)					
Standard rating conditions used		Low temperature application						
Contact details		Ferrol spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrol.com						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

FOGLIO DATI TECNICI ERP / ERP TECHNICAL DATA SHEET

OMNIA M 3.2 30T - Modo raffreddamento - Clima Medio - Media temperature (18°C) / Cooling mode - Average climate - Medium temperature (18°C)

Information requirements for comfort chillers								
Model(s):				OMNIA M 3.2 30T				
Outdoor side heat exchanger of chiller:				Air to water				
Indoor side heat exchanger chiller:				Water				
Type:				Compressor driven vapour compression				
Driver of compressor:				Electric motor				
Item	Symbol	Value	Unit		Item	Symbol	Value	Unit
Rated cooling capacity	P _{rated,c}	30,8	kW		Seasonal space cooling energy efficiency	η _{s,c}	225	%
Declared cooling capacity for part load at given outdoor temperature T _j					Declared energy efficiency ratio for part load at given outdoor temperature T _j			
T _j =+35°C	P _{dc}	30,8	kW		T _j =+35°C	EERd	3,79	-
T _j =+30°C	P _{dc}	22,1	kW		T _j =+30°C	EERd	5,06	-
T _j =+25°C	P _{dc}	13,9	kW		T _j =+25°C	EERd	6,33	-
T _j =+20°C	P _{dc}	6,3	kW		T _j =+20°C	EERd	7,01	-
Degradation co-efficient for chillers (*)	C _{dc}	0,9	-					
Power consumption in modes other than “active mode”								
Off mode	P _{OFF}	0,017	kW		Crankcase heater mode	P _{CK}	0,000	kW
Thermosat-off mode	P _{TO}	0,084	kW		Standby mode	P _{SB}	0,017	kW
Other items								
Capacity control	variable				For air-to-water comfort chillers: air flow rate, outdoor measured	-	10650	m³/h
Sound power level, indoors / outdoors	L _{WA}	-77	dB					
Emissions of nitrogen oxides (if applicable)	NOx (**)	-	mg/kWh input GCV		For water / brine-to-water chillers: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	675	kg CO ₂ eq (100years)					
Standard rating conditions used		Medium temperature application						
Contact details		Ferrolli spa - 37047 San Bonifacio (Verona) Italy - Via Ritonda 78/A - tel. +39.045.6139411 - fax +39.045.6100933 - www.ferrolli.com						
(*) If Cdc is not determined by measurement then the default degradation coefficient of chillers shall be 0,9. (**) From 26 September 2018.								

TABELLE PRESTAZIONALI - MODO RISCALDAMENTO / CAPACITY TABLES - HEATING MODE

OMNIA M 3.2 Mod. 22T - Prestazioni riscaldamento / Heating capacity

Tw_out °C*	DB/WB °C*	Heating Capacity [W]						COP					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
25	-25	/	12.53	11.23	8.67	6.14	3.76	/	2.37	2.40	2.46	2.54	2.68
	-20	/	14.83	13.30	10.26	7.28	4.45	/	2.63	2.67	2.79	2.85	2.97
	-15	/	17.44	15.64	12.08	8.56	5.25	/	2.99	3.04	3.21	3.29	3.43
	-10	/	20.39	18.28	14.12	10.02	6.14	/	2.93	3.08	3.23	3.31	3.48
	-7	/	21.54	20.03	14.97	10.48	6.74	/	3.07	3.42	3.43	3.50	3.84
	-5	/	22.11	19.83	15.32	10.87	6.93	/	3.11	3.30	3.48	3.58	3.85
	-2	22.84	22.17	19.89	15.38	10.92	7.34	3.10	3.19	3.34	3.47	3.54	3.81
	0	23.13	22.43	20.13	15.56	11.05	7.61	3.42	3.49	3.66	3.77	3.84	4.12
	2	23.59	22.83	20.50	15.86	11.27	7.94	3.83	3.91	4.14	4.27	4.36	4.53
	5	24.67	23.14	20.78	16.10	11.46	9.18	4.53	4.59	4.79	4.91	4.95	5.31
	7	25.43	23.25	20.89	16.19	11.55	9.71	5.05	5.10	5.22	5.39	5.46	5.73
	10	25.86	23.44	21.06	16.34	11.65	10.56	5.54	5.62	5.76	5.91	5.98	6.00
	12	26.53	23.37	21.01	16.30	11.84	/	5.61	5.68	5.84	5.98	6.05	/
	15	27.54	23.27	20.93	16.23	12.11	/	5.71	5.77	5.97	6.07	6.15	/
	20	29.04	23.03	20.70	16.09	13.85	/	5.79	5.84	6.08	6.19	6.21	/
	25	28.38	23.31	20.95	16.29	15.80	/	5.82	5.88	6.14	6.23	6.24	/
30	-25	/	12.55	11.25	8.68	6.14	3.71	/	2.17	2.20	2.27	2.35	2.46
	-20	/	14.84	13.30	10.26	7.27	4.39	/	2.39	2.43	2.55	2.61	2.69
	-15	/	17.43	15.63	12.06	8.55	5.17	/	2.68	2.73	2.90	2.98	3.11
	-10	20.36	20.08	18.00	13.90	9.86	6.05	2.65	2.70	2.85	3.00	3.07	3.23
	-7	22.29	21.31	19.43	15.01	10.65	6.63	2.81	2.80	3.07	3.20	3.31	3.47
	-5	21.92	21.60	19.58	15.13	10.73	6.92	2.80	2.87	3.09	3.23	3.32	3.49
	-2	22.63	21.96	19.70	15.23	10.81	7.22	2.88	2.97	3.13	3.26	3.33	3.58
	0	22.90	22.20	19.92	15.40	10.93	7.48	3.15	3.22	3.39	3.50	3.56	3.83
	2	23.32	22.56	20.25	15.67	11.13	7.80	3.38	3.45	3.69	3.82	3.91	3.98
	5	24.21	22.70	20.39	15.79	11.24	9.02	4.10	4.15	4.35	4.47	4.51	4.86
	7	25.06	22.91	20.58	15.95	11.38	9.54	4.61	4.70	4.82	4.98	5.06	5.31
	10	25.46	23.07	20.73	16.08	11.47	10.37	4.95	5.03	5.16	5.32	5.38	5.40
	12	26.11	22.99	20.66	16.03	11.63	/	5.02	5.09	5.25	5.39	5.46	/
	15	27.09	22.86	20.57	15.94	11.88	/	5.13	5.19	5.39	5.49	5.57	/
	20	28.53	22.60	20.31	15.79	13.57	/	5.23	5.28	5.51	5.62	5.64	/
	25	27.84	22.84	20.54	15.97	15.47	/	5.26	5.32	5.59	5.67	5.68	/
35	-25	12.49	11.19	9.48	8.63	6.11	3.71	2.01	2.04	2.08	2.11	2.19	2.30
	-20	14.75	13.22	11.20	10.20	7.22	4.40	2.18	2.23	2.30	2.35	2.41	2.49
	-15	17.30	15.51	13.15	11.97	8.48	5.17	2.41	2.46	2.56	2.63	2.72	2.84
	-10	20.19	17.85	15.13	13.78	9.77	6.04	2.45	2.66	2.75	2.81	2.88	3.04
	-7	21.32	19.85	16.53	14.80	10.54	6.62	2.49	2.78	2.86	2.92	3.04	3.20
	-5	21.70	21.39	17.01	14.82	10.51	6.70	2.61	2.82	2.95	3.05	3.15	3.41
	-2	22.39	21.52	17.21	15.05	10.68	6.98	2.71	2.90	3.01	3.08	3.16	3.40
	0	22.64	21.95	17.46	15.22	10.80	7.18	2.92	2.99	3.14	3.26	3.33	3.59
	2	23.02	22.00	17.64	15.46	10.98	7.65	3.03	3.10	3.31	3.47	3.56	3.63
	5	23.34	22.34	17.81	15.54	11.05	8.83	3.74	3.79	3.97	4.11	4.16	4.56
	7*	24.14	22.00	17.79	15.68	11.19	9.33	4.32	4.40	4.56	4.69	4.76	5.06
	10	24.45	22.67	18.08	15.79	11.26	10.14	4.45	4.53	4.70	4.82	4.89	5.18
	12	25.31	22.57	18.00	15.73	11.41	/	4.57	4.64	4.81	4.93	5.00	/
	15	26.59	22.42	17.90	15.63	11.63	/	4.74	4.80	4.98	5.11	5.18	/
	20	27.97	22.13	17.69	15.46	13.28	/	4.90	4.95	5.14	5.30	5.31	/
	25	27.24	22.34	17.86	15.61	15.12	/	4.96	5.02	5.22	5.37	5.38	/
40	-25	/	13.88	11.10	9.71	6.87	4.01	/	2.25	2.17	2.11	2.17	2.29
	-20	/	16.30	13.02	11.38	8.06	4.71	/	2.49	2.43	2.39	2.47	2.57
	-15	19.00	18.30	14.75	12.97	9.19	5.50	2.32	2.61	2.62	2.62	2.69	2.84
	-10	20.78	19.10	15.69	13.98	9.91	6.02	2.39	2.67	2.71	2.73	2.85	3.01
	-7	20.73	20.42	16.24	14.15	10.04	6.18	2.49	2.56	2.77	2.94	3.04	3.21
	-5	21.55	20.89	16.62	14.48	10.27	6.53	2.53	2.62	2.82	2.98	3.06	3.23
	-2	21.77	21.09	16.77	14.62	10.38	6.77	2.71	2.78	2.98	3.14	3.20	3.36
	0	22.86	22.09	17.59	15.34	10.90	7.15	2.84	2.91	3.10	3.26	3.35	3.42
	2	22.93	22.44	17.88	15.60	11.09	8.76	3.48	3.53	3.71	3.86	3.90	4.12
	5	23.70	22.65	18.05	15.75	11.24	9.25	3.91	3.99	4.18	4.32	4.39	4.49
	7	23.98	22.81	18.20	15.89	11.33	9.93	4.04	4.12	4.32	4.48	4.54	4.56
	10	24.81	22.74	18.15	15.85	11.34	/	4.13	4.20	4.39	4.54	4.61	/
	15	26.05	22.64	18.07	15.78	11.36	/	4.26	4.32	4.50	4.63	4.71	/
	20	27.35	22.43	17.92	15.67	12.95	/	4.51	4.56	4.70	4.80	4.84	/
	25	26.59	22.73	18.16	15.88	14.74	/	4.63	4.69	4.80	4.88	4.90	/
	30	28.17	22.59	18.69	16.74	/	/	4.98	5.04	5.08	5.10	5.10	/
	35	28.04	22.64	20.21	18.99	18.99	/	5.06	5.11	5.14	5.16	5.16	/

Tw_out °C°	°DB/WB °C°	Heating Capacity [W]						COP						
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%	
45	-25	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	16.22	14.54	11.22	7.94	4.67	/	1.97	2.08	2.25	2.33	2.43	
	-10	/	18.61	16.68	12.88	9.13	5.44	/	2.12	2.26	2.42	2.49	2.64	
	-7	/	20.00	20.31	15.67	11.10	6.33	/	2.20	2.41	2.54	2.66	2.82	
	-5	20.27	19.96	17.90	13.82	9.80	6.50	2.28	2.35	2.55	2.74	2.84	3.01	
	-2	21.04	20.40	18.29	14.13	10.02	6.44	2.36	2.45	2.69	2.82	2.89	3.07	
	0	21.72	21.04	18.87	14.58	10.34	6.44	2.49	2.56	2.81	2.92	2.99	3.14	
	2	22.42	22.00	18.94	14.65	10.40	7.29	2.53	2.60	2.81	2.95	3.04	3.10	
	5	22.70	22.21	19.94	15.44	10.98	8.32	3.04	3.09	3.30	3.42	3.46	3.69	
	7	23.22	22.00	20.39	15.78	11.22	8.79	3.31	3.40	3.56	3.73	3.80	3.98	
	10	23.47	22.32	20.04	15.54	11.08	9.69	3.54	3.62	3.82	3.98	4.04	4.06	
	12	24.26	22.23	19.97	15.49	11.07	/	3.61	3.68	3.89	4.02	4.09	/	
	15	25.45	22.10	19.86	15.40	11.07	/	3.72	3.79	3.99	4.10	4.17	/	
	20	26.68	22.80	20.51	15.89	12.61	/	3.93	3.98	4.11	4.22	4.27	/	
	25	25.89	22.11	19.87	15.45	14.33	/	4.17	4.23	4.33	4.42	4.44	/	
	30	27.11	21.93	19.72	16.25	16.25	/	4.40	4.46	4.50	4.52	4.52	/	
35	27.21	21.98	19.75	18.41	18.41	/	4.65	4.70	4.72	4.75	4.75	/		
50	-25	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	15.72	14.09	10.87	7.70	4.57	/	1.74	1.87	1.96	2.01	2.08	
	-10	/	18.01	16.14	12.46	8.83	5.32	/	1.78	1.95	2.07	2.13	2.24	
	-7	19.66	19.37	17.37	13.41	9.50	5.94	1.89	1.90	2.14	2.27	2.33	2.43	
	-5	20.06	19.76	17.72	13.68	9.70	6.10	1.95	1.98	2.21	2.35	2.46	2.61	
	-2	20.88	20.23	18.14	14.01	9.93	6.17	2.05	2.07	2.33	2.44	2.57	2.74	
	0	21.73	21.04	18.87	14.57	10.34	6.38	2.16	2.21	2.46	2.60	2.70	2.84	
	2	22.40	21.24	19.05	14.73	10.46	6.94	2.32	2.32	2.60	2.75	2.87	3.02	
	5	22.46	21.98	19.74	15.28	10.86	8.24	2.56	2.61	2.85	2.95	3.06	3.24	
	7	22.69	22.18	19.92	15.42	10.96	8.40	2.93	3.02	3.19	3.24	3.30	3.46	
	10	22.90	22.34	20.06	15.55	11.08	9.01	3.17	3.21	3.43	3.48	3.54	3.64	
	12	23.66	22.28	20.01	15.51	11.06	9.51	3.24	3.28	3.50	3.59	3.65	3.76	
	15	24.80	22.18	19.92	15.45	11.01	10.27	3.34	3.40	3.61	3.76	3.83	3.94	
	20	24.36	22.15	19.92	15.44	12.23	11.68	3.49	3.58	3.73	3.86	3.89	3.99	
	25	25.12	22.33	20.06	15.60	13.88	13.25	3.57	3.62	3.86	3.99	4.01	4.01	
	30	26.26	21.23	19.08	15.72	15.72	15.01	3.73	3.77	3.94	4.00	4.00	4.05	
35	26.31	21.25	19.09	17.79	17.79	16.98	3.86	3.86	4.24	4.26	4.26	4.33		
55	-25	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	17.70	15.87	12.24	8.67	4.63	/	1.53	1.70	1.82	1.88	1.99	
	-7	/	18.00	18.56	14.31	10.13	5.06	/	1.55	1.79	1.92	1.98	2.08	
	-5	19.69	19.39	17.38	13.42	9.51	5.69	1.61	1.65	1.87	2.02	2.13	2.27	
	-2	20.09	19.46	17.45	13.48	9.55	6.00	1.72	1.73	1.99	2.11	2.24	2.40	
	0	21.09	20.76	18.61	14.37	10.19	6.20	1.81	1.85	2.11	2.24	2.35	2.49	
	2	22.00	22.00	20.92	16.16	11.46	6.89	1.90	1.90	2.18	2.33	2.46	2.58	
	5	22.81	22.34	20.05	15.51	11.02	7.84	2.31	2.35	2.59	2.70	2.80	2.98	
	7	22.60	22.00	19.84	15.36	10.91	8.27	2.55	2.65	2.81	2.87	2.93	3.09	
	10	22.28	22.28	20.00	15.50	11.04	9.14	2.79	2.83	3.05	3.10	3.16	3.19	
	12	22.74	22.23	19.96	15.47	11.03	9.65	2.87	2.91	3.13	3.22	3.28	3.32	
	15	23.44	22.17	19.91	15.43	11.00	10.41	2.99	3.05	3.26	3.41	3.49	3.51	
	20	23.68	22.19	19.96	15.46	11.82	/	3.16	3.25	3.40	3.53	3.56	/	
	25	24.27	22.42	20.15	15.66	13.39	/	3.35	3.41	3.64	3.78	3.80	/	
	30	24.95	22.08	19.91	15.42	14.90	/	3.49	3.54	3.70	3.77	3.79	/	
35	24.21	21.97	19.81	17.10	17.10	/	3.79	3.81	4.18	4.20	4.20	/		
60	-25	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	15.77	14.14	10.91	7.73	4.93	/	1.40	1.53	1.64	1.76	1.92	
	-7	/	17.18	15.41	11.89	8.43	5.22	/	1.42	1.59	1.73	1.85	2.02	
	-5	/	17.61	15.79	12.19	8.64	5.52	/	1.48	1.66	1.77	1.90	2.06	
	-2	18.20	17.88	16.04	12.39	8.78	5.81	1.59	1.59	1.76	1.87	1.99	2.15	
	0	19.22	18.55	16.63	12.85	9.11	6.01	1.71	1.71	1.88	2.01	2.14	2.30	
	2	20.18	19.45	17.45	13.49	9.57	6.53	1.79	1.79	2.00	2.10	2.22	2.32	
	5	21.28	20.82	18.68	14.45	10.27	7.74	2.19	2.19	2.34	2.42	2.53	2.73	
	7	21.45	20.96	18.82	14.56	10.34	7.89	2.44	2.44	2.54	2.59	2.69	2.89	
	10	21.05	20.61	18.41	14.27	10.17	8.82	2.66	2.66	2.77	2.81	2.92	3.01	
	12	21.20	20.62	18.52	14.35	10.23	9.31	2.72	2.72	2.85	2.92	3.03	3.13	
	15	21.42	20.79	18.67	14.48	10.32	10.03	2.80	2.80	2.99	3.10	3.21	3.30	
	20	21.67	20.25	18.58	14.39	11.37	11.37	3.01	3.01	3.12	3.21	3.35	3.59	
	25	20.33	19.51	17.89	13.90	12.86	12.86	3.23	3.23	3.33	3.62	3.65	3.81	
	30	19.22	19.22	17.03	14.51	14.51	14.51	3.37	3.37	3.48	3.78	3.78	3.87	

TABELLE PRESTAZIONALI - MODO RISCALDAMENTO / CAPACITY TABLES - HEATING MODE

OMNIA M 3.2 Mod. 26T - Prestazioni riscaldamento / Heating capacity

Tw_out °C	DB/WB °C	Heating Capacity [W]						COP					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
25	-25	/	12,91	11,57	8,92	6,31	3,85	/	2,35	2,39	2,45	2,53	2,60
	-20	/	15,28	13,69	10,56	7,48	4,57	/	2,60	2,65	2,77	2,83	2,86
	-15	/	17,83	15,98	12,33	8,74	5,33	/	2,97	3,02	3,19	3,27	3,32
	-10	/	21,04	18,69	14,42	10,23	6,24	/	3,03	3,05	3,21	3,28	3,34
	-7	/	22,48	20,15	15,56	11,04	6,72	/	3,13	3,15	3,35	3,47	3,62
	-5	/	22,96	20,46	15,80	11,21	6,91	/	3,17	3,22	3,41	3,51	3,62
	-2	/	23,92	21,45	16,57	11,75	7,24	/	3,25	3,28	3,41	3,48	3,59
	0	/	24,93	22,36	17,27	12,26	7,53	/	3,32	3,49	3,60	3,67	3,77
	2	26,40	26,05	23,36	18,05	12,80	8,06	3,61	3,69	3,92	4,05	4,14	4,21
	5	28,19	26,31	23,62	18,29	13,01	9,18	4,22	4,27	4,48	4,59	4,64	5,31
	7	28,84	26,77	24,04	18,62	13,24	9,71	4,73	4,78	4,90	5,07	5,14	5,73
	10	29,33	26,45	23,76	18,42	13,11	10,56	5,33	5,41	5,54	5,70	5,77	6,00
	12	30,24	26,61	23,90	18,54	13,19	11,18	5,41	5,48	5,64	5,78	5,85	6,06
	15	31,61	26,84	24,12	18,71	13,32	12,11	5,52	5,59	5,78	5,89	5,97	6,15
	20	31,44	26,58	23,91	18,54	13,85	/	5,61	5,66	5,90	6,01	6,21	/
	25	31,23	26,24	23,59	18,34	15,80	/	5,68	5,74	6,00	6,09	6,24	/
30	-25	/	12,77	11,44	8,82	6,24	3,77	/	2,16	2,19	2,25	2,33	2,40
	-20	/	15,10	13,53	10,43	7,39	4,47	/	2,36	2,40	2,53	2,59	2,62
	-15	/	17,74	15,90	12,26	8,69	5,26	/	2,66	2,71	2,88	2,96	3,01
	-10	/	20,71	18,56	14,33	10,15	6,15	/	2,67	2,82	2,97	3,04	3,11
	-7	/	22,32	20,01	15,44	10,95	6,61	/	2,77	2,97	3,10	3,21	3,27
	-5	/	22,84	20,30	15,67	11,11	6,80	/	2,82	2,99	3,17	3,27	3,38
	-2	/	23,72	21,27	16,42	11,65	7,12	/	2,91	3,07	3,19	3,27	3,38
	0	/	24,71	22,16	17,12	12,14	7,40	/	3,05	3,22	3,33	3,40	3,49
	2	26,16	25,80	23,14	17,88	12,68	7,92	3,16	3,23	3,47	3,60	3,69	3,76
	5	28,36	26,46	23,75	18,38	13,07	9,02	3,78	3,84	4,04	4,16	4,20	4,86
	7	28,47	26,41	23,71	18,36	13,06	9,54	4,29	4,38	4,50	4,66	4,74	5,31
	10	28,91	26,63	23,92	18,53	13,19	10,37	4,73	4,81	4,95	5,11	5,17	5,40
	12	29,77	26,54	23,84	18,48	13,16	10,97	4,82	4,89	5,05	5,19	5,25	5,47
	15	31,05	26,40	23,72	18,40	13,12	11,88	4,94	5,01	5,20	5,31	5,39	5,57
	20	31,20	26,36	23,71	18,38	13,57	/	5,05	5,10	5,33	5,44	5,64	/
	25	31,25	26,25	23,60	18,35	15,47	/	5,12	5,18	5,44	5,53	5,68	/
35	-25	/	12,71	10,09	8,78	6,21	3,72	/	2,00	2,06	2,10	2,18	2,25
	-20	/	15,01	11,92	10,37	7,34	4,40	/	2,16	2,26	2,33	2,39	2,42
	-15	/	17,62	13,99	12,18	8,63	5,18	/	2,39	2,52	2,61	2,70	2,74
	-10	/	20,10	16,17	14,21	10,07	6,05	/	2,53	2,67	2,78	2,85	2,91
	-7	/	21,96	18,12	16,20	11,48	6,91	/	2,74	2,79	2,82	2,94	3,00
	-5	/	22,74	18,07	15,73	11,15	6,69	/	2,77	2,89	2,98	3,08	3,19
	-2	/	23,49	18,67	16,26	11,53	7,00	/	2,80	2,93	3,02	3,10	3,21
	0	/	24,05	19,12	16,65	11,81	7,12	/	2,82	2,97	3,10	3,16	3,26
	2	25,59	24,65	19,65	17,48	12,40	7,61	2,81	2,96	3,09	3,25	3,34	3,41
	5	27,72	25,84	20,58	17,95	12,76	8,83	3,42	3,48	3,66	3,80	3,84	4,56
	7*	27,90	26,00	20,89	18,33	13,03	9,33	3,99	4,08	4,24	4,37	4,41	5,06
	10	28,45	26,76	21,33	18,61	13,25	10,14	4,24	4,32	4,48	4,61	4,64	5,18
	12	29,30	26,00	21,28	18,58	13,23	10,73	4,37	4,44	4,60	4,73	4,78	5,18
	15	30,58	26,59	21,22	18,53	13,21	11,63	4,56	4,62	4,79	4,93	5,00	5,18
	20	30,96	26,38	21,05	18,39	13,28	/	4,72	4,77	4,96	5,12	5,31	/
	25	30,91	26,11	20,87	18,25	15,12	/	4,82	4,88	5,07	5,23	5,38	/
40	-25	/	14,87	11,44	9,72	6,88	4,04	/	2,05	2,07	2,08	2,14	2,17
	-20	/	16,49	13,09	11,40	8,07	4,74	/	2,10	2,25	2,38	2,46	2,51
	-15	/	19,21	15,26	13,29	9,42	5,54	/	2,31	2,47	2,61	2,68	2,74
	-10	/	20,05	16,37	14,53	10,30	6,06	/	2,35	2,54	2,68	2,80	2,86
	-5	/	21,28	16,91	14,73	10,44	6,23	/	2,39	2,60	2,78	2,88	2,99
	-2	/	22,45	17,84	15,54	11,02	6,59	/	2,42	2,62	2,78	2,86	2,97
	0	/	23,75	18,88	16,44	11,66	6,98	/	2,51	2,71	2,87	2,94	3,04
	2	25,12	24,77	19,69	17,15	12,16	7,44	2,59	2,66	2,85	3,01	3,10	3,17
	5	27,07	25,65	20,43	17,82	12,66	8,76	3,40	3,46	3,64	3,78	3,83	4,12
	7	26,89	26,70	21,12	18,33	13,03	9,25	3,61	3,73	3,89	4,02	4,09	4,49
	10	27,94	26,92	21,15	18,26	12,99	9,93	3,78	3,95	4,10	4,22	4,28	4,56
	12	28,88	26,70	21,11	18,31	13,04	10,50	3,89	4,02	4,18	4,30	4,37	4,62
	15	30,30	26,38	21,05	18,38	13,10	11,36	4,06	4,12	4,30	4,44	4,51	4,71
	20	31,17	26,18	20,89	18,25	12,95	/	4,32	4,37	4,50	4,61	4,84	/
	25	30,20	26,36	21,04	18,38	14,74	/	4,39	4,45	4,56	4,64	4,90	/
	30	30,17	26,32	21,04	18,40	16,74	/	4,75	4,82	4,85	4,88	5,10	/
	35	30,43	26,23	21,40	18,99	18,99	/	4,95	5,00	5,09	5,16	5,16	/

Tw_out °C"	DB/WB °C"	Heating Capacity [W]						COP					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
45	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	16,60	14,88	11,47	8,12	4,75	/	1,95	2,06	2,23	2,32	2,36
	-10	/	19,32	17,32	13,36	9,46	5,54	/	2,10	2,25	2,40	2,48	2,54
	-7	/	21,00	20,82	16,05	11,37	6,76	/	2,15	2,36	2,49	2,61	2,67
	-5	23,50	23,18	20,78	16,02	11,35	6,82	2,17	2,19	2,39	2,58	2,68	2,78
	-2	23,62	23,29	20,88	16,11	11,42	6,93	2,20	2,25	2,49	2,62	2,69	2,80
	0	24,64	24,29	21,77	16,80	11,91	7,33	2,23	2,30	2,55	2,65	2,72	2,82
	2	25,08	24,00	23,42	18,08	12,81	8,08	2,28	2,35	2,56	2,70	2,79	2,85
	5	27,00	26,32	23,62	18,26	12,97	8,32	2,97	3,02	3,23	3,35	3,39	3,69
	7	27,08	26,00	23,86	18,46	13,11	8,79	3,02	3,10	3,26	3,43	3,50	3,98
	10	27,91	26,27	23,59	18,26	12,99	9,69	3,27	3,35	3,55	3,71	3,75	4,06
	12	28,47	26,21	23,53	18,23	12,98	10,24	3,37	3,44	3,65	3,79	3,83	4,11
	15	29,32	26,11	23,45	18,18	12,96	11,07	3,53	3,59	3,79	3,90	3,96	4,17
	20	30,43	26,30	23,63	18,33	13,07	12,61	3,74	3,79	3,92	4,03	4,06	4,27
	25	30,28	26,33	23,69	18,36	14,33	14,33	3,93	3,99	4,09	4,18	4,44	4,44
30	30,34	26,09	23,45	18,23	16,25	16,25	4,17	4,24	4,28	4,30	4,52	4,52	
35	30,68	26,03	23,40	18,41	18,41	18,41	4,55	4,59	4,61	4,63	4,75	4,75	
50	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	16,26	14,57	11,23	7,95	4,61	/	1,72	1,85	1,94	1,99	2,03
	-10	/	18,89	16,93	13,06	9,25	5,36	/	1,74	1,92	2,04	2,10	2,16
	-7	/	21,34	19,12	14,75	10,44	6,11	/	1,87	2,11	2,24	2,30	2,35
	-5	21,90	21,60	19,35	14,93	10,57	6,27	1,89	1,91	2,13	2,28	2,39	2,49
	-2	22,75	22,43	20,10	15,51	10,99	6,61	1,99	2,01	2,27	2,38	2,52	2,65
	0	23,71	23,37	20,95	16,16	11,45	7,00	2,08	2,12	2,38	2,51	2,62	2,73
	2	24,69	24,33	21,81	16,83	11,92	7,46	2,30	2,30	2,58	2,73	2,85	2,98
	5	26,45	26,00	23,33	18,04	12,81	8,24	2,36	2,41	2,65	2,75	2,85	3,24
	7	26,80	26,31	23,61	18,26	12,97	8,40	2,73	2,82	2,99	3,05	3,10	3,46
	10	27,26	26,16	23,49	18,18	12,93	9,43	3,10	3,14	3,36	3,42	3,47	3,57
	12	27,85	26,18	23,51	18,20	12,96	9,96	3,17	3,21	3,43	3,52	3,58	3,69
	15	28,74	26,21	23,54	18,24	13,00	10,75	3,27	3,33	3,54	3,69	3,76	3,85
	20	29,62	26,32	23,64	18,33	13,07	12,23	3,39	3,48	3,64	3,77	3,79	3,89
	25	29,70	26,25	23,61	18,29	13,88	/	3,49	3,54	3,78	3,91	4,01	/
30	29,41	26,26	23,60	18,35	15,72	/	3,67	3,72	3,88	3,95	4,00	/	
35	29,68	26,31	23,64	18,38	17,79	/	3,78	3,82	4,15	4,17	4,26	/	
55	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	18,59	16,66	12,84	9,09	5,23	/	1,50	1,67	1,79	1,85	1,91
	-7	/	20,00	18,17	14,01	9,92	5,71	/	1,52	1,76	1,89	1,95	2,00
	-5	/	21,11	18,92	14,58	10,33	5,98	/	1,57	1,79	1,94	2,05	2,16
	-2	/	22,56	20,22	15,59	11,04	6,38	/	1,68	1,93	2,05	2,18	2,31
	0	/	23,84	21,36	16,47	11,67	6,75	/	1,77	2,03	2,16	2,27	2,37
	2	/	24,00	23,44	18,08	12,80	7,49	/	1,88	2,16	2,31	2,44	2,56
	5	26,58	26,13	23,44	18,11	12,86	7,84	2,10	2,15	2,39	2,49	2,59	2,98
	7	26,61	26,00	23,45	18,13	12,87	8,27	2,35	2,45	2,61	2,67	2,73	3,09
	10	26,76	26,22	23,53	18,20	12,94	9,14	2,72	2,76	2,98	3,03	3,09	3,19
	12	27,25	26,17	23,49	18,17	12,92	9,65	2,80	2,84	3,06	3,15	3,21	3,32
	15	27,99	26,09	23,43	18,13	12,90	10,41	2,92	2,98	3,19	3,34	3,42	3,51
	20	29,00	26,03	23,38	18,13	12,92	11,82	3,06	3,15	3,31	3,44	3,47	3,56
	25	29,45	26,02	23,40	18,13	13,39	/	3,27	3,33	3,56	3,67	3,80	/
30	28,38	25,34	22,76	17,70	14,49	/	3,44	3,48	3,65	3,80	3,79	/	
35	28,59	25,32	22,75	17,69	17,10	/	3,72	3,76	4,09	4,13	4,20	/	
60	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	17,74	15,90	12,26	8,68	4,93	/	1,37	1,50	1,61	1,72	1,86
	-7	19,13	18,86	16,90	13,03	9,23	5,32	1,39	1,39	1,56	1,70	1,82	1,96
	-5	19,89	19,60	17,57	13,55	9,59	5,63	1,40	1,41	1,59	1,69	1,82	1,98
	-2	20,61	20,31	18,20	14,04	9,94	5,93	1,52	1,54	1,70	1,81	1,93	2,06
	0	20,96	20,65	18,51	14,28	10,11	6,12	1,58	1,63	1,79	1,93	2,06	2,19
	2	21,78	21,45	19,23	14,84	10,50	6,51	1,71	1,77	1,98	2,08	2,20	2,31
	5	25,63	25,19	22,60	17,46	12,39	7,74	1,91	1,99	2,14	2,22	2,33	2,73
	7	25,86	25,38	22,77	17,60	12,49	7,89	2,21	2,24	2,34	2,39	2,49	2,89
	10	25,76	25,24	22,65	17,52	12,45	8,82	2,55	2,60	2,70	2,74	2,85	3,01
	12	25,98	25,18	22,60	17,49	12,43	9,31	2,61	2,65	2,78	2,85	2,96	3,13
	15	26,30	25,10	22,54	17,46	12,40	10,03	2,69	2,73	2,92	3,03	3,14	3,30
	20	27,04	25,65	23,04	17,85	12,73	11,37	2,87	2,92	3,03	3,12	3,19	3,59
	25	25,79	24,98	22,47	17,40	12,86	/	3,12	3,15	3,25	3,45	3,81	/
30	/	25,40	22,85	17,76	14,51	/	/	3,24	3,36	3,60	3,87	/	
35	/	/	/	/	/	/	/	/	/	/	/	/	

TABELLE PRESTAZIONALI - MODO RISCALDAMENTO / CAPACITY TABLES - HEATING MODE

OMNIA M 3.2 Mod. 30T - Prestazioni riscaldamento / Heating capacity

Tw_out °C	*DB/WB °C*	Heating Capacity [W]						COP					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
25	-25	/	12,91	11,57	8,92	6,31	3,85	/	2,32	2,35	2,42	2,50	2,60
	-20	/	15,28	13,69	10,56	7,48	4,57	/	2,53	2,57	2,70	2,75	2,86
	-15	/	17,83	15,98	12,33	8,74	5,33	/	2,70	2,97	3,14	3,22	3,32
	-10	/	20,84	18,69	14,42	10,23	6,24	/	2,85	3,00	3,15	3,22	3,34
	-7	/	21,96	20,15	15,56	11,04	6,72	/	2,92	3,27	3,40	3,35	3,62
	-5	/	23,11	20,72	16,00	11,35	6,91	/	2,96	3,15	3,33	3,43	3,62
	-2	/	24,23	21,73	16,78	11,91	7,24	/	3,01	3,17	3,30	3,37	3,59
	0	/	25,26	22,66	17,50	12,42	7,53	/	3,23	3,40	3,50	3,57	3,77
	2	/	26,59	23,85	18,42	13,07	7,92	/	3,61	3,84	3,97	4,06	4,13
	5	30,47	29,12	26,13	20,22	14,37	9,18	4,12	4,17	4,37	4,49	4,53	5,31
	7	30,49	29,98	26,92	20,83	14,81	9,71	4,56	4,61	4,73	4,90	4,97	5,73
	10	31,31	30,16	27,08	20,97	14,93	10,56	5,22	5,30	5,44	5,59	5,66	6,00
	12	31,79	30,05	26,99	20,92	14,90	11,18	5,25	5,32	5,48	5,62	5,69	6,06
	15	32,50	29,89	26,85	20,83	14,86	12,11	5,29	5,36	5,55	5,66	5,74	6,15
	20	33,71	30,08	27,03	20,97	14,96	13,85	5,44	5,49	5,73	5,84	5,86	6,21
	25	34,27	29,53	26,56	20,60	15,80	/	5,53	5,59	5,85	5,94	6,24	/
30	-25	/	12,77	11,44	8,82	6,24	3,77	/	2,12	2,15	2,22	2,30	2,40
	-20	/	15,10	13,53	10,43	7,39	4,47	/	2,29	2,33	2,46	2,51	2,62
	-15	/	17,74	15,90	12,26	8,69	5,26	/	2,62	2,67	2,84	2,92	3,01
	-10	/	20,72	18,56	14,33	10,15	6,15	/	2,66	2,76	2,92	2,99	3,11
	-7	/	22,32	20,01	15,44	10,95	6,61	/	2,72	2,92	3,05	3,16	3,27
	-5	/	23,21	20,57	15,88	11,26	6,80	/	2,77	2,92	3,10	3,20	3,38
	-2	/	24,04	21,55	16,64	11,80	7,12	/	2,80	2,96	3,09	3,16	3,38
	0	/	25,04	22,46	17,34	12,30	7,40	/	2,96	3,12	3,23	3,30	3,49
	2	/	26,35	23,63	18,25	12,95	7,79	/	3,15	3,39	3,52	3,61	3,68
	5	/	30,12	26,23	20,29	14,42	9,02	/	3,68	3,94	4,05	4,10	4,86
	7	30,11	30,11	27,02	20,91	14,86	9,54	4,12	4,21	4,33	4,49	4,57	5,31
	10	30,88	30,02	26,96	20,87	14,85	10,37	4,63	4,71	4,84	5,00	5,06	5,40
	12	31,33	30,00	26,94	20,87	14,87	10,97	4,66	4,73	4,89	5,03	5,10	5,47
	15	32,01	29,97	26,92	20,87	14,89	11,88	4,71	4,78	4,97	5,08	5,16	5,57
	20	33,14	29,96	26,92	20,88	14,90	13,57	4,87	4,92	5,09	5,20	5,22	5,64
	25	33,83	29,72	26,73	20,72	15,47	/	4,97	5,03	5,17	5,25	5,68	/
35	-25	/	12,71	10,09	8,78	6,21	3,72	/	1,97	2,02	2,06	2,14	2,25
	-20	/	15,01	11,92	10,37	7,34	4,40	/	2,09	2,18	2,26	2,31	2,42
	-15	/	17,62	13,99	12,18	8,63	5,18	/	2,35	2,47	2,57	2,65	2,74
	-10	/	20,55	16,32	14,21	10,07	6,05	/	2,53	2,64	2,72	2,80	2,91
	-7	/	22,38	18,23	16,16	11,45	6,91	/	2,71	2,75	2,77	2,89	3,00
	-5	/	22,94	18,13	15,73	11,15	6,69	/	2,73	2,83	2,91	3,01	3,19
	-2	/	23,85	18,93	16,47	11,68	7,00	/	2,75	2,84	2,91	2,99	3,21
	0	/	24,79	19,70	17,16	12,17	7,12	/	2,77	2,90	3,00	3,07	3,26
	2	/	26,00	20,70	18,05	12,79	7,61	/	2,80	3,00	3,17	3,26	3,41
	5	29,72	28,83	22,95	20,01	14,21	8,83	3,32	3,37	3,55	3,70	3,74	4,56
	7*	30,25	30,10	23,95	20,87	14,83	9,33	3,85	3,91	4,07	4,20	4,27	5,06
	10	30,40	29,83	23,77	20,73	14,75	10,14	4,16	4,21	4,38	4,50	4,57	5,18
	12	30,81	29,95	23,87	20,82	14,81	10,73	4,22	4,28	4,49	4,58	4,65	5,18
	15	31,46	30,12	24,01	20,95	14,91	11,63	4,30	4,39	4,56	4,70	4,77	5,18
	20	32,52	30,18	24,08	21,03	15,00	13,28	4,52	4,60	4,79	4,94	4,96	5,31
	25	33,58	30,00	23,95	20,92	15,12	/	4,67	4,73	4,93	5,08	5,38	/
40	-25	/	14,06	11,17	9,72	6,88	4,04	/	1,87	1,98	2,07	2,13	2,17
	-20	/	16,49	13,09	11,40	8,07	4,74	/	2,05	2,20	2,33	2,41	2,51
	-15	/	19,21	15,26	13,29	9,42	5,54	/	2,25	2,41	2,55	2,62	2,74
	-10	/	21,00	16,69	14,53	10,30	6,06	/	2,29	2,48	2,63	2,75	2,86
	-7	/	22,50	17,87	15,56	11,03	6,23	/	2,35	2,56	2,74	2,78	2,93
	-5	/	23,54	18,70	16,28	11,54	6,59	/	2,36	2,56	2,75	2,80	2,97
	-2	/	24,50	19,47	16,95	12,02	6,98	/	2,42	2,61	2,77	2,84	3,04
	0	/	25,75	20,46	17,82	12,63	7,48	/	2,56	2,75	2,91	3,00	3,07
	2	29,27	28,38	22,59	19,69	13,99	8,76	3,19	3,24	3,42	3,57	3,61	4,12
	5	29,83	29,83	23,74	20,70	14,71	9,25	3,41	3,49	3,68	3,82	3,89	4,49
	7	30,42	29,86	23,78	20,74	14,75	9,93	3,66	3,74	3,94	4,10	4,16	4,56
	10	30,59	29,73	23,68	20,67	14,70	10,50	3,77	3,85	4,04	4,19	4,26	4,62
	12	30,85	29,53	23,54	20,55	14,61	11,36	3,95	4,01	4,19	4,33	4,40	4,71
	15	31,84	29,62	23,59	20,57	14,67	12,95	4,19	4,24	4,37	4,48	4,52	4,84
	20	33,00	29,31	23,39	20,43	14,74	/	4,30	4,36	4,47	4,55	4,90	/
	25	33,74	29,65	23,71	20,74	16,74	/	4,66	4,73	4,76	4,79	5,10	/
	35	33,59	29,61	23,67	20,69	18,99	/	4,82	4,87	4,90	4,92	5,16	/

Tw out °C°	°DB/WB °C°	Heating Capacity [W]						COP					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
45	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	16,60	14,88	11,47	8,12	4,75	/	1,90	2,01	2,18	2,27	2,36
	-10	/	19,32	17,32	13,36	9,46	5,54	/	2,05	2,19	2,35	2,42	2,54
	-7	/	22,00	20,49	15,80	11,19	6,76	/	2,10	2,31	2,44	2,56	2,67
	-5	/	22,22	19,91	15,36	10,88	6,82	/	2,15	2,35	2,53	2,63	2,78
	-2	/	23,42	20,99	16,19	11,47	6,93	/	2,19	2,43	2,56	2,63	2,80
	0	/	24,36	21,84	16,85	11,94	7,33	/	2,20	2,45	2,56	2,63	2,82
	2	/	26,00	25,37	19,57	13,87	8,25	/	2,25	2,46	2,60	2,69	2,75
	5	28,77	28,77	25,02	19,34	13,74	8,32	2,75	2,75	3,01	3,13	3,17	3,69
	7	30,14	30,06	26,78	20,70	14,70	8,79	2,86	2,90	3,06	3,23	3,30	3,98
	10	30,36	29,82	26,76	20,70	14,72	9,69	3,16	3,24	3,44	3,60	3,66	4,06
	12	30,29	29,70	26,66	20,63	14,67	10,24	3,26	3,33	3,53	3,67	3,74	4,11
	15	30,18	29,53	26,51	20,53	14,60	11,07	3,42	3,48	3,68	3,79	3,87	4,17
	20	31,69	29,58	26,57	20,60	14,69	12,61	3,61	3,66	3,79	3,90	3,95	4,27
	25	32,42	29,42	26,43	20,50	14,62	14,33	3,83	3,89	4,00	4,08	4,10	4,44
30	33,32	29,34	26,39	20,45	16,25	/	4,08	4,15	4,19	4,22	4,52	/	
35	32,78	29,50	26,51	20,61	18,41	/	4,30	4,42	4,46	4,48	4,75	/	
50	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	16,26	14,57	11,23	7,95	4,61	/	1,69	1,82	1,91	1,96	2,03
	-10	/	18,89	16,93	13,06	9,25	5,36	/	1,73	1,91	2,02	2,09	2,16
	-7	/	21,34	19,12	14,75	10,44	6,11	/	1,85	2,09	2,22	2,28	2,35
	-5	/	21,90	19,62	15,13	10,72	6,27	/	1,87	2,09	2,24	2,35	2,49
	-2	/	23,06	20,67	15,94	11,29	6,61	/	1,97	2,23	2,35	2,48	2,65
	0	/	23,97	21,48	16,57	11,74	7,00	/	2,07	2,33	2,46	2,57	2,73
	2	/	25,75	23,08	17,80	12,61	7,40	/	2,27	2,55	2,70	2,82	2,95
	5	28,20	27,33	24,52	18,95	13,45	8,24	2,30	2,35	2,59	2,69	2,79	3,24
	7	29,71	29,71	26,65	20,59	14,62	8,40	2,58	2,67	2,84	2,90	2,95	3,46
	10	29,69	29,69	26,64	20,60	14,65	9,43	3,02	3,06	3,28	3,34	3,39	3,57
	12	29,84	29,59	26,56	20,54	14,61	9,96	3,08	3,13	3,35	3,44	3,50	3,69
	15	30,07	29,44	26,43	20,45	14,55	10,75	3,19	3,24	3,46	3,61	3,68	3,85
	20	31,00	29,53	26,51	20,55	14,65	12,23	3,31	3,40	3,56	3,68	3,71	3,89
	25	31,91	29,41	26,41	20,48	14,61	13,88	3,38	3,43	3,67	3,80	3,84	4,01
30	32,79	29,41	26,45	20,49	15,72	/	3,59	3,63	3,80	3,87	4,00	/	
35	31,72	29,13	26,17	20,35	17,79	/	3,67	3,75	4,12	4,14	4,26	/	
55	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	18,59	16,66	12,84	9,09	5,23	/	1,48	1,66	1,78	1,84	1,91
	-7	/	21,00	18,68	14,39	10,19	5,71	/	1,50	1,74	1,87	1,93	2,00
	-5	/	21,52	19,28	14,87	10,52	5,98	/	1,53	1,75	1,90	2,01	2,16
	-2	/	22,65	20,29	15,65	11,08	6,38	/	1,64	1,90	2,01	2,14	2,31
	0	/	23,52	21,08	16,25	11,51	6,75	/	1,71	1,97	2,10	2,21	2,37
	2	/	26,00	22,63	17,45	12,36	7,19	/	1,85	2,13	2,28	2,41	2,55
	5	/	28,09	24,41	18,86	13,38	7,84	/	2,04	2,33	2,43	2,53	2,98
	7	/	30,00	26,71	20,63	14,64	8,27	/	2,30	2,46	2,52	2,58	3,09
	10	/	29,46	26,43	20,44	14,52	9,14	/	2,68	2,90	2,95	3,01	3,19
	12	/	29,37	26,36	20,38	14,49	9,65	/	2,76	2,98	3,07	3,14	3,32
	15	/	29,24	26,24	20,30	14,44	10,41	/	2,90	3,11	3,26	3,35	3,51
	20	30,07	29,35	26,35	20,42	14,56	11,82	2,98	3,07	3,23	3,36	3,40	3,56
	25	30,88	29,27	26,28	20,38	14,53	13,39	3,16	3,22	3,45	3,59	3,62	3,80
30	32,12	29,32	26,37	20,43	14,90	/	3,36	3,40	3,57	3,74	3,79	/	
35	30,57	28,05	25,20	19,59	17,10	/	3,65	3,70	4,07	4,11	4,20	/	
60	-25	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	17,74	15,90	12,26	8,68	4,93	/	1,36	1,49	1,60	1,71	1,86
	-7	/	19,69	17,64	13,60	9,63	5,32	/	1,37	1,54	1,68	1,80	1,96
	-5	/	21,09	18,89	14,56	10,30	5,63	/	1,37	1,55	1,65	1,78	1,98
	-2	/	22,17	19,86	15,31	10,83	5,93	/	1,50	1,66	1,77	1,90	2,06
	0	/	23,00	20,61	15,89	11,25	6,12	/	1,57	1,74	1,88	2,00	2,19
	2	/	24,69	22,12	17,05	12,07	6,96	/	1,74	1,95	2,05	2,17	2,29
	5	/	27,36	23,77	18,36	13,02	7,74	/	1,90	2,08	2,16	2,27	2,73
	7	/	28,53	25,59	19,76	14,02	7,89	/	2,09	2,19	2,24	2,34	2,89
	10	/	28,61	25,67	19,84	14,09	8,82	/	2,52	2,62	2,66	2,77	3,01
	12	/	28,49	25,56	19,76	14,04	9,31	/	2,57	2,70	2,77	2,88	3,13
	15	/	28,31	25,41	19,65	13,97	10,03	/	2,64	2,83	2,94	3,05	3,30
	20	/	29,04	26,07	20,20	14,39	11,37	/	2,84	2,95	3,04	3,14	3,59
	25	/	28,97	26,01	20,16	14,37	12,86	/	3,04	3,14	3,43	3,53	3,81
35	/	29,25	26,27	20,37	14,51	/	/	3,23	3,35	3,65	3,87	/	

TABELLE PRESTAZIONALI - MODO RAFFREDDAMENTO / CAPACITY TABLES - COOLING MODE

OMNIA M 3.2 Mod. 22T - Prestazioni raffreddamento / Cooling capacity

Tw_out °C	°C	Cooling Capacity [W]						EER					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
5	-5	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/
	10	/	/	/	/	/	/	/	/	/	/	/	/
	15	/	/	/	/	/	/	/	/	/	/	/	/
	20	19,25	19,25	17,46	13,78	9,97	8,54	4,10	4,10	4,20	4,62	4,95	5,15
	25	21,19	20,67	18,77	14,86	10,80	8,25	3,53	3,59	3,70	4,13	4,45	4,70
	30	22,33	20,37	18,51	14,67	10,68	7,96	2,88	3,11	3,23	3,64	4,01	4,24
	35	21,39	20,92	19,04	15,13	11,05	7,65	2,47	2,52	2,66	3,08	3,44	3,72
	40	19,08	19,08	17,36	13,80	10,08	7,34	2,31	2,31	2,38	2,78	3,15	3,38
7	43	15,99	15,99	14,54	11,54	8,41	7,00	2,05	2,05	2,18	2,59	2,95	3,20
	-5	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/
	10	/	/	/	/	/	/	/	/	/	/	/	/
	15	19,75	19,75	17,91	14,09	10,18	8,40	4,90	4,90	5,08	5,37	5,65	5,65
	20	20,19	20,19	18,31	14,47	10,47	9,03	4,42	4,42	4,56	4,97	5,27	5,49
	25	22,21	21,12	19,18	15,18	11,04	8,72	3,88	3,95	4,14	4,55	4,84	5,04
	30	23,40	20,82	18,92	15,00	10,92	8,42	3,27	3,50	3,70	4,11	4,41	4,65
	35	22,40	21,00	19,05	15,14	11,05	8,09	2,79	2,95	3,20	3,62	3,89	4,18
10	40	19,52	19,52	17,76	14,13	10,31	7,75	2,70	2,70	2,89	3,31	3,64	3,95
	43	16,76	16,76	15,24	12,11	8,83	7,45	2,37	2,37	2,59	2,99	3,36	3,62
	-5	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/
	10	18,40	18,40	16,67	13,06	11,63	11,63	5,95	5,95	6,08	6,24	6,50	6,50
	15	20,67	20,67	18,74	14,74	10,97	10,97	5,45	5,45	5,56	5,92	6,25	6,35
	20	22,57	20,62	18,70	14,78	10,69	10,72	4,77	4,89	5,02	5,37	5,68	5,81
	25	24,80	21,13	19,18	15,18	11,00	10,35	4,27	4,49	4,62	5,04	5,34	5,48
	30	26,08	20,90	18,99	15,05	10,95	9,99	3,75	3,98	4,10	4,47	4,73	4,95
15	35	24,42	21,15	19,24	15,28	11,15	9,55	3,23	3,50	3,64	4,03	4,31	4,53
	40	22,26	20,71	18,86	15,02	10,97	9,15	2,97	3,08	3,22	3,58	3,86	4,09
	43	19,68	19,68	17,94	14,30	10,47	8,73	2,82	2,82	2,98	3,32	3,64	3,85
	-5	19,99	19,99	18,12	14,17	13,86	13,86	7,65	7,65	7,72	7,97	8,20	8,30
	0	19,61	19,61	17,77	13,89	13,59	13,59	7,25	7,25	7,30	7,55	7,80	7,90
	5	19,17	19,17	17,35	13,59	13,29	13,29	6,88	6,88	6,94	7,19	7,43	7,53
	10	20,22	20,22	18,32	14,36	12,88	12,88	6,51	6,51	6,58	6,86	7,10	7,20
	15	21,13	21,13	19,17	15,14	12,48	12,48	6,01	6,01	6,11	6,52	6,75	6,85
	20	22,76	22,01	19,97	15,79	12,13	12,13	5,47	5,52	5,63	6,04	6,32	6,42
	25	26,14	21,93	19,92	15,76	11,71	11,71	4,83	5,03	5,16	5,64	5,92	6,02
18	30	27,49	21,77	19,78	15,68	11,41	11,31	4,23	4,49	4,61	5,06	5,26	5,47
	35	27,67	22,14	20,15	16,01	11,68	10,86	3,73	4,05	4,22	4,71	4,93	5,16
	40	24,66	21,73	19,80	15,77	11,53	10,41	3,36	3,58	3,80	4,29	4,50	4,72
	43	21,20	21,20	19,34	15,45	11,32	9,93	3,30	3,30	3,51	3,96	4,18	4,39
	-5	22,03	22,03	19,99	15,63	13,82	13,82	7,85	7,85	7,92	8,17	8,44	8,54
	0	21,64	21,64	19,61	15,34	13,55	13,55	7,70	7,70	7,79	8,05	8,26	8,36
	5	21,16	21,16	19,17	15,02	13,25	13,25	7,32	7,32	7,40	7,65	7,87	7,97
	10	21,40	21,40	19,40	15,21	12,85	12,85	6,92	6,92	7,03	7,29	7,56	7,66
	15	22,44	22,44	20,36	15,98	12,91	12,91	6,45	6,45	6,60	6,92	7,17	7,27
	20	25,07	23,43	21,27	16,83	12,56	12,56	5,90	6,05	6,20	6,50	6,76	6,86
20	25	26,46	23,37	21,23	16,82	12,12	12,12	5,18	5,48	5,69	6,11	6,39	6,49
	30	28,98	23,21	21,10	16,75	11,64	11,64	4,62	4,95	5,10	5,52	5,85	5,95
	35*	28,37	23,00	20,88	16,60	12,12	11,18	4,23	4,60	4,75	5,15	5,51	5,65
	40	23,86	23,21	21,16	16,88	12,35	10,71	3,99	4,04	4,19	4,60	4,92	5,12
	43	22,03	22,03	20,10	16,07	11,78	10,22	3,65	3,65	3,81	4,22	4,55	4,75
	-5	23,68	22,64	20,55	16,06	15,06	15,06	8,05	8,13	8,23	8,47	8,70	8,80
	0	23,28	22,28	21,11	16,51	14,78	14,78	7,91	7,91	8,04	8,29	8,50	8,60
	5	22,77	22,77	20,64	16,17	14,47	14,47	7,65	7,65	7,77	8,02	8,26	8,36
	10	23,99	23,03	20,88	16,38	14,03	14,03	7,30	7,35	7,45	7,73	7,95	8,05
	15	24,12	23,20	21,05	16,52	13,58	13,58	6,90	6,96	7,10	7,41	7,65	7,75
25	20	26,93	23,41	21,25	16,74	13,21	13,21	6,39	6,61	6,81	7,16	7,38	7,48
	25	28,56	22,56	20,48	16,15	12,75	12,75	5,80	6,05	6,24	6,57	6,87	6,97
	30	29,40	23,31	21,19	16,82	12,31	12,31	5,15	5,50	5,70	6,15	6,49	6,59
	35	29,04	23,10	21,02	16,71	11,83	11,83	4,79	5,05	5,20	5,68	6,00	6,10
	40	25,56	22,76	20,74	16,53	11,33	11,33	4,26	4,48	4,62	5,14	5,46	5,56
	43	22,94	22,94	20,94	16,76	12,30	10,81	4,03	4,03	4,19	4,65	4,91	5,08
	-5	25,32	22,99	20,55	17,98	17,36	17,36	8,25	8,37	8,37	8,57	8,82	8,92
	0	24,91	22,60	20,25	17,68	17,07	17,07	8,02	8,13	8,13	8,33	8,57	8,67
	5	25,50	23,24	21,06	17,33	16,73	16,73	7,83	7,92	7,92	8,12	8,35	8,45
	10	25,77	22,51	20,41	16,79	16,21	16,21	7,42	7,57	7,69	7,95	8,17	8,27
	15	25,94	22,83	20,71	16,25	15,69	15,69	7,22	7,35	7,49	7,78	7,99	8,09
	20	29,10	23,17	21,02	16,56	15,27	15,27	6,70	6,95	7,00	7,26	7,48	7,58
	25	29,48	23,30	21,16	16,68	14,73	14,73	6,10	6,38	6,57	6,91	7,16	7,26
	30	29,41	23,31	21,19	16,80	14,24	14,24	5,65	5,90	5,96	6,33	6,56	6,66
	35	28,85	22,94	20,87	16,58	13,67	13,67	5,24	5,54	5,59	5,89	6,14	6,24
	40	27,63	22,14	20,16	16,04	13,08	13,08	4,69	4,94	5,07	5,34	5,63	5,73
	43	24,75	22,55	20,58	16,44	12,47	12,47	4,29	4,45	4,61	4,92	5,17	5,27

OMNIA M 3.2 Mod. 26T - Prestazioni raffreddamento / Cooling capacity

Tw_out °C"	°C"	Cooling Capacity [W]						EER					
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%
5	-5												
	0												
	5												
	10												
	15												
	20	23.12	23.12	21.00	16.64	12.10	8.54	3.79	3.79	3.94	4.36	4.69	5.15
	25	26.91	24.87	22.63	17.99	13.13	8.25	3.20	3.25	3.39	3.82	4.15	4.70
	30	27.51	25.17	22.95	18.32	13.43	8.40	2.52	2.75	2.88	3.30	3.67	3.90
	35	26.29	24.97	22.80	18.25	13.41	8.29	2.12	2.17	2.32	2.74	3.10	3.38
40	21.65	21.65	19.76	15.79	11.58	7.74	2.09	2.09	2.21	2.61	2.98	3.21	
43	18.04	18.04	16.45	13.11	9.60	7.39	1.87	1.87	2.00	2.41	2.77	3.02	
7	-5												
	0												
	5												
	10												
	15	20.41	20.41	18.51	14.57	10.52	10.18	4.79	4.79	4.98	5.31	5.59	5.65
	20	23.94	23.94	21.75	17.23	12.54	9.03	4.22	4.22	4.36	4.77	5.07	5.49
	25	27.97	25.81	23.49	18.69	13.65	8.72	3.62	3.75	3.94	4.35	4.64	5.04
	30	28.61	26.14	23.85	19.05	13.97	8.93	3.00	3.26	3.46	3.87	4.17	4.41
	35	27.34	26.00	23.71	18.99	13.97	8.64	2.54	2.70	2.95	3.37	3.64	3.93
40	22.91	22.91	20.92	16.75	12.30	8.23	2.50	2.50	2.68	3.10	3.43	3.75	
43	19.11	19.11	17.43	13.91	10.20	7.85	2.15	2.15	2.37	2.77	3.15	3.40	
10	-5												
	0												
	5												
	10	20.60	20.60	18.60	14.68	11.63	11.63	5.70	5.70	5.89	6.12	6.50	6.50
	15	22.15	22.15	20.09	15.82	11.43	10.97	5.22	5.22	5.33	5.69	6.22	6.35
	20	25.39	25.39	23.07	18.30	13.33	10.72	4.68	4.68	4.81	5.16	5.47	5.81
	25	29.33	26.92	24.50	19.50	14.25	10.35	4.03	4.25	4.38	4.80	5.09	5.48
	30	30.12	26.80	24.45	19.53	14.33	10.02	3.45	3.70	3.82	4.19	4.45	4.67
	35	28.26	26.70	24.39	19.54	14.37	9.63	3.02	3.23	3.37	3.76	4.04	4.26
40	23.91	23.91	21.85	17.50	12.86	9.22	2.84	2.84	2.98	3.35	3.62	3.85	
43	20.24	20.24	18.47	14.76	10.83	8.80	2.59	2.59	2.75	3.09	3.41	3.63	
15	-5	21.90	21.90	19.87	15.53	14.21	13.86	7.40	7.40	7.49	7.83	8.06	8.30
	0	21.51	21.51	19.49	15.25	13.94	13.59	7.05	7.05	7.13	7.45	7.71	7.90
	5	21.03	21.03	19.05	14.93	13.64	13.29	6.65	6.65	6.73	7.06	7.30	7.53
	10	22.09	22.09	20.03	15.71	13.22	12.88	6.30	6.30	6.39	6.75	6.99	7.20
	15	23.93	23.93	21.61	17.10	12.80	12.48	5.80	5.80	5.90	6.30	6.54	6.85
	20	27.71	26.95	24.50	19.45	14.13	12.13	5.20	5.25	5.36	5.77	6.04	6.42
	25	30.89	27.38	24.92	19.83	14.49	11.71	4.64	4.84	4.98	5.46	5.73	6.02
	30	31.93	27.44	25.03	19.99	14.66	11.61	4.01	4.28	4.40	4.85	5.05	5.26
	35	29.90	26.87	24.54	19.65	14.44	11.15	3.45	3.77	3.94	4.43	4.65	4.88
18	40	25.59	25.59	23.40	18.77	13.82	10.68	3.35	3.35	3.57	4.06	4.26	4.49
	43	22.03	22.03	20.13	16.12	11.89	10.19	3.10	3.10	3.31	3.76	3.98	4.19
	-5	23.77	23.77	21.57	16.87	15.44	13.82	7.55	7.55	7.63	7.96	8.24	8.54
	0	23.37	23.37	21.19	16.58	15.16	13.55	7.41	7.41	7.50	7.86	8.07	8.36
	5	23.82	23.82	21.59	16.93	14.84	13.25	7.05	7.05	7.14	7.49	7.71	7.97
	10	23.99	23.99	21.76	17.08	14.38	12.85	6.70	6.70	6.81	7.15	7.42	7.66
	15	25.10	25.10	22.66	17.95	13.93	12.91	6.25	6.25	6.40	6.72	6.97	7.27
	20	29.21	26.74	24.31	19.28	14.00	12.56	5.67	5.82	5.97	6.27	6.53	6.86
	25	32.67	27.33	24.87	19.78	14.39	12.12	4.94	5.24	5.45	5.87	6.15	6.49
20	30	33.11	27.52	25.10	20.04	14.75	12.63	4.36	4.70	4.84	5.26	5.59	5.79
	35	30.97	27.00	24.67	19.74	14.51	12.14	3.93	4.30	4.45	4.85	5.21	5.42
	40	26.99	26.99	24.70	19.85	14.63	11.62	3.82	3.82	3.96	4.38	4.69	4.89
	43	23.68	23.68	21.67	17.40	12.83	10.45	3.41	3.41	3.57	3.98	4.31	4.51
	-5	25.10	25.10	22.80	17.83	16.32	15.06	7.90	7.90	8.01	8.35	8.58	8.80
	0	24.69	24.69	22.40	17.53	16.04	14.78	7.62	7.62	7.75	8.08	8.30	8.60
	5	25.18	25.18	22.83	17.91	15.70	14.47	7.39	7.39	7.51	7.82	8.06	8.36
	10	25.35	25.35	23.01	18.06	15.22	14.03	7.08	7.08	7.19	7.54	7.76	8.05
	15	26.51	26.51	23.94	18.98	14.73	13.58	6.71	6.71	6.85	7.16	7.40	7.75
25	20	30.82	27.36	24.87	19.73	14.33	13.21	6.12	6.35	6.55	6.89	7.12	7.48
	25	34.41	27.17	24.72	19.65	14.30	12.75	5.55	5.80	5.99	6.32	6.63	6.97
	30	34.82	27.47	25.05	20.00	14.71	13.37	4.95	5.29	5.49	5.94	6.29	6.43
	35	32.56	27.01	24.66	19.73	14.55	12.84	4.58	4.83	4.99	5.46	5.78	5.96
	40	28.39	27.08	24.78	19.90	14.67	12.29	4.10	4.25	4.39	4.91	5.23	5.43
	43	25.02	25.02	22.91	18.43	13.66	11.73	3.79	3.79	3.96	4.42	4.68	4.89
	-5	27.21	27.21	24.72	19.33	18.49	17.36	8.15	8.15	8.20	8.55	8.79	8.92
	0	26.79	26.79	24.31	19.03	18.19	17.07	7.95	7.95	8.01	8.32	8.57	8.67
	5	27.37	27.37	24.84	19.49	17.83	16.73	7.70	7.70	7.75	8.08	8.32	8.45
25	10	27.59	26.49	24.05	18.88	17.27	16.21	7.27	7.35	7.48	7.81	8.03	8.27
	15	29.98	26.66	24.22	19.04	16.72	15.69	7.00	7.13	7.27	7.64	7.85	8.09
	20	33.79	26.90	24.44	19.29	16.28	15.27	6.42	6.72	6.81	7.08	7.30	7.58
	25	34.99	27.82	25.32	20.13	15.70	14.73	5.80	6.15	6.34	6.68	6.93	7.26
	30	34.30	27.42	25.00	19.94	15.18	15.18	5.40	5.68	5.76	6.11	6.34	6.44
	35	33.72	27.08	24.72	19.77	14.57	14.57	5.08	5.37	5.44	5.80	6.05	6.15
	40	30.31	26.58	24.30	19.49	14.41	13.94	4.44	4.72	4.86	5.19	5.48	5.60
	43	27.29	26.61	24.38	19.66	14.60	13.29	4.18	4.25	4.40	4.75	5.00	5.15

TABELLE PRESTAZIONALI - MODO RAFFREDDAMENTO / CAPACITY TABLES - COOLING MODE

OMNIA M 3.2 Mod. 30T - Prestazioni raffreddamento / Cooling capacity

Tw_out °C"	DB/WB °C"	Cooling Capacity [W]							EER						
		130%	100%	90%	70%	50%	30%	130%	100%	90%	70%	50%	30%	130%	100%
5	-5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	10	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	15	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	20	26.31	26.31	23.93	19.01	13.87	8.54	3.55	3.55	3.70	4.12	4.45	5.15		
	25	31.02	30.01	27.38	21.88	16.06	9.87	2.95	3.00	3.14	3.57	3.90	4.65		
	30	30.32	30.32	27.80	22.44	16.62	10.42	2.45	2.45	2.58	3.00	3.37	3.72		
	35	28.91	28.91	26.55	21.48	15.94	10.02	1.80	1.80	1.96	2.37	2.74	3.25		
	40	22.58	22.58	20.65	16.59	12.23	7.74	1.78	1.78	1.90	2.30	2.68	3.21		
7	43	18.92	18.92	17.28	13.84	10.17	7.39	1.56	1.56	1.68	2.09	2.46	3.02		
	-5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	10	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	15	24.25	24.25	22.02	17.37	12.66	10.18	4.45	4.45	4.60	5.10	5.27	5.65		
	20	26.79	26.79	24.37	19.36	14.13	9.03	4.00	4.00	4.14	4.55	4.85	5.49		
	25	31.72	30.14	27.49	21.97	16.11	9.91	3.30	3.45	3.64	4.05	4.34	5.01		
	30	31.45	30.08	27.57	22.24	16.46	10.31	2.82	2.98	3.18	3.60	3.89	4.30		
	35	30.00	30.00	27.56	22.33	16.59	10.44	2.35	2.35	2.60	3.02	3.29	3.78		
10	40	23.44	23.44	21.46	17.26	12.74	8.23	2.18	2.18	2.37	2.79	3.12	3.75		
	43	19.66	19.66	17.97	14.41	10.60	7.85	1.95	1.95	2.17	2.57	2.94	3.40		
	-5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	10	22.54	22.54	20.44	16.09	11.63	11.63	5.45	5.45	5.68	5.92	6.50	6.50		
	15	26.08	26.08	23.69	18.69	13.53	10.97	4.95	4.95	5.06	5.42	5.94	6.35		
	20	29.22	29.22	26.60	21.16	15.46	10.72	4.42	4.42	4.54	4.90	5.21	5.81		
	25	33.65	29.99	27.34	21.82	15.99	10.35	3.67	3.95	4.08	4.50	4.79	5.48		
	30	33.44	30.29	27.75	22.35	16.53	10.02	3.12	3.40	3.51	3.89	4.14	4.67		
15	35	31.86	30.41	27.93	22.61	16.79	10.56	2.70	2.90	3.04	3.43	3.71	4.22		
	40	25.03	25.03	22.93	18.47	13.65	9.22	2.56	2.56	2.69	3.06	3.33	3.85		
	43	21.29	21.29	19.49	15.66	11.55	8.80	2.32	2.32	2.48	2.82	3.14	3.63		
	-5	23.85	23.85	21.65	16.93	13.86	13.86	7.16	7.16	7.24	7.58	8.20	8.30		
	0	23.45	23.45	21.27	16.64	13.59	13.59	6.75	6.75	6.83	7.15	7.80	7.90		
	5	23.86	23.86	21.63	16.97	13.29	13.29	6.37	6.37	6.45	6.78	7.43	7.53		
	10	25.00	25.00	22.57	17.85	12.88	12.88	6.02	6.02	6.11	6.47	7.10	7.20		
	15	28.37	28.37	25.79	20.36	13.75	12.48	5.52	5.52	5.62	6.02	6.45	6.85		
	20	32.03	30.50	27.77	22.10	16.16	12.13	4.86	4.98	5.09	5.50	5.77	6.42		
	25	35.04	30.79	28.07	22.40	16.42	11.71	4.30	4.58	4.72	5.20	5.47	6.02		
18	30	35.61	30.75	28.17	22.68	16.77	11.61	3.65	3.99	4.11	4.56	4.76	5.26		
	35	33.91	30.54	28.04	22.67	16.82	11.15	3.15	3.45	3.63	4.11	4.34	4.88		
	40	26.78	26.78	24.56	19.83	14.68	10.68	3.08	3.08	3.30	3.79	3.99	4.49		
	43	23.15	23.15	21.22	17.10	12.64	10.19	2.82	2.82	3.03	3.48	3.70	4.19		
	-5	25.88	25.88	23.51	18.39	13.82	13.82	7.28	7.28	7.36	7.69	8.44	8.54		
	0	25.47	25.47	23.11	18.09	13.55	13.55	7.17	7.17	7.26	7.62	8.26	8.36		
	5	25.93	25.93	23.52	18.45	13.25	13.25	6.79	6.79	6.88	7.23	7.87	7.97		
	10	27.15	27.15	24.52	19.42	12.85	12.85	6.48	6.48	6.59	6.93	7.56	7.66		
	15	28.98	28.98	26.34	20.80	13.17	12.91	6.02	6.02	6.17	6.49	7.12	7.27		
	20	33.85	30.52	27.78	22.11	16.09	12.56	5.40	5.56	5.71	6.01	6.27	6.86		
20	25	36.36	30.96	28.22	22.52	16.50	12.12	4.68	4.98	5.19	5.61	5.89	6.49		
	30	37.02	31.09	28.48	22.93	16.95	12.63	4.09	4.42	4.56	4.98	5.31	5.79		
	35*	35.23	31.00	28.44	22.99	17.06	12.14	3.65	4.00	4.15	4.55	4.91	5.42		
	40	28.21	28.21	25.91	20.96	15.55	11.62	3.58	3.58	3.72	4.14	4.45	4.89		
	43	25.51	25.51	23.44	18.97	14.08	10.45	3.16	3.16	3.32	3.73	4.06	4.51		
	-5	28.00	28.00	25.45	19.91	15.06	15.06	7.66	7.66	7.76	8.11	8.70	8.80		
	0	27.58	27.58	25.04	19.61	14.78	14.78	7.36	7.36	7.49	7.82	8.50	8.60		
	5	28.09	28.09	25.50	20.01	14.47	14.47	7.15	7.15	7.27	7.58	8.26	8.36		
	10	29.41	29.41	26.56	21.06	14.03	14.03	6.84	6.84	6.95	7.29	7.95	8.05		
	15	30.72	30.38	27.63	21.82	13.58	13.58	6.42	6.47	6.61	6.92	7.65	7.75		
25	20	35.66	30.23	27.51	21.88	13.72	13.21	5.85	6.09	6.29	6.64	7.34	7.48		
	25	37.56	30.84	28.10	22.41	16.35	12.75	5.30	5.57	5.76	6.09	6.39	6.97		
	30	38.33	31.19	28.57	22.99	16.99	13.37	4.73	5.08	5.28	5.73	6.08	6.43		
	35	36.30	31.05	28.50	23.04	17.09	12.84	4.26	4.55	4.70	5.18	5.50	5.96		
	40	30.13	30.13	27.72	22.49	16.74	12.29	3.99	3.99	4.13	4.64	4.97	5.43		
	43	26.63	26.63	24.49	19.86	14.77	11.73	3.55	3.55	3.72	4.17	4.44	4.89		
	-5	29.95	29.95	27.23	21.30	17.36	17.36	7.85	7.85	7.91	8.25	8.82	8.92		
	0	29.52	29.52	26.82	21.00	17.07	17.07	7.70	7.70	7.75	8.07	8.57	8.67		
	5	30.12	30.12	27.35	21.48	16.73	16.73	7.48	7.48	7.52	7.86	8.35	8.45		
	10	30.28	30.28	27.52	21.64	16.21	16.21	7.12	7.12	7.24	7.57	8.17	8.27		
	15	33.80	31.64	28.59	22.74	15.69	15.69	6.73	6.88	7.03	7.39	7.99	8.09		
	20	38.57	31.55	28.72	22.86	15.27	15.27	6.18	6.50	6.59	6.86	7.48	7.58		
	25	39.21	31.32	28.55	22.77	14.73	14.73	5.50	5.90	6.09	6.43	7.16	7.26		
	30	38.34	31.06	28.43	22.87	17.12	15.18	5.02	5.42	5.50	5.85	6.08	6.44		
	35	37.87	31.26	28.69	23.18	17.44	14.57	4.80	5.10	5.17	5.54	5.78	6.15		
	40	31.83	31.13	28.66	23.29	17.35	13.94	4.45	4.49	4.62	4.96	5.24	5.60		
	43	28.03	28.03	25.81	20.99	15.88	13.29	4.02	4.02	4.17	4.52	4.77	5.15		

* : Performance values useful for accessing the incentives provided in Italy / Valori prestazionali utili per accedere agli incentivi previsti in Italia

NOTE

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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