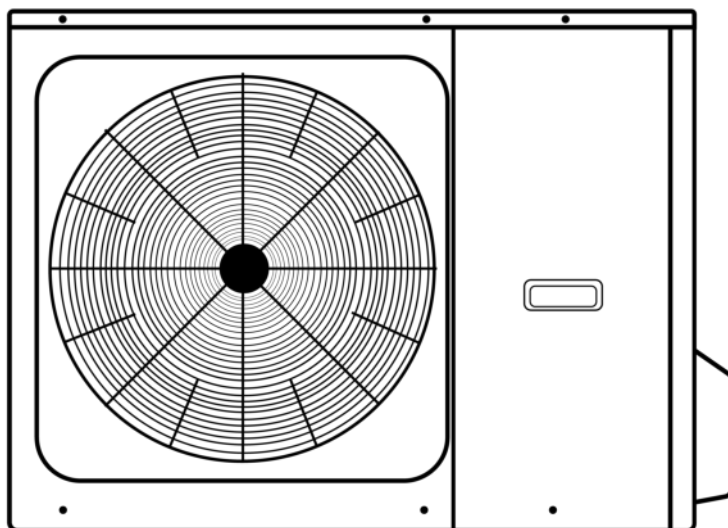




AEROTERMIA BIBLOCK R32 **Unidad exterior**

R32 SPLIT HEAT PUMP Outdoor unit
POMPE DE CHALEUR R32 Unité extérieure
BOMBA DE CALOR R32 Unidade exterior



SERIE AURUM R32 BM

MANUAL
DE DATOS TÉCNICOS
TECHNICAL DATA MANUAL
MANUEL DE DONNÉES
TECHNIQUES
MANUAL DE DADOS TÉCNICOS



Escanee para ver este manual en otros idiomas y actualizaciones
Scan for manual in other languages and further updates
Manuel dans d'autres langues et mis à jour
Manual em outras línguas e atualizações

Ficha de producto

Reglamento sobre etiquetado energético: (UE)811/2013
Reglamento sobre diseño ecológico: (UE)813/2013

Calentador combinado con bomba de calor									
Potencia sonora de la unidad Interior(*)	Exterior	AURUM4VA		AURUM6VA		AURUM8VA		AURUM10VA	
		AURUM4-10D190		AURUM4-10D190		AURUM4-10D190		AURUM4-10D190	
Potencia sonora de la unidad exterior(*)									
Calentamiento de agua	dB	38	38	38	38	40	40	40	40
	dB	56	56	58	58	59	59	60	60
	-	L	XL	L	XL	L	XL	L	L
Calificación de espacios	-	A+	A+	A+	A+	A+	A+	A+	A+
	-	A++	A++	A++	A++	A++	A++	A++	A++
	-	A++	A++	A++	A++	A++	A++	A++	A++
Clima medio									
Calentamiento de agua		127	136	127	136	125	137	125	125
		801	1229	801	1229	820	1218	820	820
		4.4	4.4	5.7	5.7	6.6	6.6	7.7	7.7
Calificación de espacios		129.5	129.5	137.9	137.9	131.5	131.5	136.6	136.6
		2744	2744	3345	3345	4056	4056	4539	4539
		S	S	S	S	S	S	S	S
Función de funcionamiento fuera de horas punta integrada en la bomba de calor									
Clima frío									
Calentamiento de agua		102	107	102	107	107	111	107	107
		998	1561	998	1561	950	1508	950	950
		3.36	3.36	4.26	4.26	5.77	5.77	6.71	6.71
Calificación de espacios		102.1	102.1	111.1	111.1	112.0	112.0	116.4	116.4
		3159	3159	3681	3681	4950	4950	5540	5540
		S	S	S	S	S	S	S	S
Clima cálido									
Calentamiento de agua		157	174	157	174	151	171	151	151
		649	963	649	963	675	977	675	675
		5.01	5.01	5.14	5.14	8.37	8.37	8.63	8.63
Calificación de espacios		162.4	162.4	164.7	164.7	176.9	176.9	180.3	180.3
		1621	1621	1640	1640	2485	2485	2516	2516
		S	S	S	S	S	S	S	S
Datos técnicos de Ecodiseño									
Descripción del producto	Bomba de calor aire-agua	S/N	S	S	S	S	S	S	S
	Bomba de calor agua-agua	S/N	N	N	N	N	N	N	N
	Bomba de calor salmuera-agua	S/N	N	N	N	N	N	N	N
	Bomba de calor baja temperatura	S/N	N	N	N	N	N	N	N
	Equipada con resistencia auxiliar	S/N	S	S	S	S	S	S	S
	Combinación bomba de calor-calentador	S/N	S	S	S	S	S	S	S
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	2770	2770	2770	4030	4030	4030	4030
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	[m³/h]	-	-	-	-	-	-	-

Calentador combinado con bomba de calor														
	Exterior	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM12YA	AURUM16VA	AURUM16YA						
	Interior	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240						
Potencia sonora de la unidad interior(*)	dB	40	42	42	44	44	44	44						
Potencia sonora de la unidad exterior(*)	dB	60	64	64	65	65	68	68						
Calentamiento de agua	-	XL	XL	XL	XL	XL	XL	XL						
Clase de eficiencia energética	-	A+	A+	A+	A+	A+	A+	A+						
Calificación de espacios	-	A++	A++	A++	A++	A++	A++	A++						
Clima medio														
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	137	123	123	123	123	123	123						
	Consumo eléctrico anual (AEC)	1218	1360	1360	1360	1360	1360	1360						
Calificación de espacios	P_{rated} (capac. calefacción declarada)@-10°C	7.7	11.6	11.6	12.1	12.1	13.0	13.0						
	Eficiencia estacional de calef. de espacios (η_{H_s})	136.6	135.1	135.1	135.6	135.6	133.3	133.2						
	Consumo de energía anual	4539	6927	6928	7202	7203	7895	7896						
Función de funcionamiento fuera de horas punta integrada en la bomba de calor	S/N	S	S	S	S	S	S	S						
Clima frío														
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	111	92	92	92	92	92	92						
	Consumo de energía anual	1508	1822	1822	1822	1822	1822	1822						
Calificación de espacios	P_{rated} (capac. calefacción declarada)@-22°C	6.71	10.31	10.3	10.96	11	11.8	11.8						
	Eficiencia estacional de calef. de espacios (η_{H_s})	116.4	117.8	117.7	118.9	118.9	121.8	121.8						
	Consumo de energía anual	5540	8419	8420	8866	8867	9309	9310						
Clima cálido														
Calentamiento de agua	Eficiencia energética de calentamiento de agua (η_{wH})	171	153	153	153	153	153	153						
	Consumo de energía anual	977	1088	1088	1088	1088	1088	1088						
Calificación de espacios	P_{rated} (capac. calefacción declarada)@2°C	8.63	12.5	12.5	14.17	14.17	14.17	14.17						
	Eficiencia estacional de calef. de espacios (η_{H_s})	180.3	174.0	173.8	174.9	174.7	176.0	175.8						
	Consumo de energía anual	2516	3776	3780	4258	4262	4231	4236						
Datos técnicos de Ecodiseño														
Descripción del producto	Bomba de calor aire-agua	S	S	S	S	S	S	S						
	Bomba de calor agua-agua	N	N	N	N	N	N	N						
	Bomba de calor salmuera-agua	N	N	N	N	N	N	N						
	Bomba de calor baja temperatura	N	N	N	N	N	N	N						
	Equipada con resistencia auxiliar	S	S	S	S	S	S	S						
	Combinación bomba de calor-calentador	S	S	S	S	S	S	S						
Unidad aire-agua	Caudal de aire nominal (exterior)	4030	4060	4060	4060	4060	4650	4650						
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	-	-	-	-	-	-	-						

Calentador combinado con bomba de calor		Exterior		AURUM4VA	AURUM4VA	AURUM6VA	AURUM6VA	AURUM8VA	AURUM8VA	AURUM10VA
		Interior		AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190
Otros	Capacidad de control	-		Sí	Sí	Sí	Sí	Sí	Sí	Sí
	P _{eff} (Consumo en modo OFF)	[kW]		0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _b (Consumo en modo temostato apagado)	[kW]		0.024	0.024	0.024	0.024	0.024	0.024	0.024
	P _{sb} (Consumo en modo Standby)	[kW]		0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _{CK} (Modelo calentador de cárter eléctrico)	[kW]		0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Q _{elec} (Consumo eléctrico diario)	[kWh]		3.66	5.71	3.66	5.71	3.78	5.67	3.78
	Q _{fuel} (Consumo combustible diario)	[kWh]		-	-	-	-	-	-	-
Condiciones de carga parcial para calefacción de espacios en clima medio										
Condición (A) (-7°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]		3.89	3.89	5.04	5.04	5.84	5.84	6.78
	COP _d (COP declarado)	-		2.17	2.17	2.17	2.17	2.16	2.16	2.24
	Cdh (coeficiente de degradación)	-		0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]		2.38	2.38	3.12	3.12	3.76	3.76	4.28
	COP _d (COP declarado)	-		3.30	3.30	3.51	3.51	3.30	3.30	3.42
	Cdh (coeficiente de degradación)	-		0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]		2.94	2.94	2.08	2.08	2.43	2.43	2.77
	COP _d (COP declarado)	-		4.41	4.41	4.54	4.54	4.34	4.34	4.52
	Cdh (coeficiente de degradación)	-		0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	P _{ah} (Capacidad de calefac. declarada)	[kW]		1.32	1.32	1.28	1.28	1.39	1.39	1.58
	COP _d (COP declarado)	-		5.66	5.66	5.59	5.59	5.33	5.33	5.68
	Cdh (coeficiente de degradación)	-		0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]		-10	-10	-10	-10	-10	-10	-10
	P _{ah} (Capacidad de calefac. declarada)	[kW]		3.42	3.42	4.52	4.52	4.91	4.91	5.38
	COP _d (COP declarado)	-		1.91	1.91	1.91	1.91	1.84	1.84	1.83
(F) Temperatura T _{bivalente}	WTOL (Límite de func. de calefac. agua)	[°C]		65	65	65	65	65	65	65
	T _{bw}	[°C]		-7	-7	-7	-7	-7	-7	-7
	P _{ah} (Capacidad de calefac. declarada)	[kW]		3.89	3.89	5.04	5.04	5.84	5.84	6.78
Capacidad del calentador auxiliar integrado en la unidad	COP _d (COP declarado)	-		2.17	2.17	2.17	2.17	2.16	2.16	2.24
	P _{sup} calentador auxiliar (@ T _{design} : -10°C)	[kW]		3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
	P _{sup} (@ T _{design} : -10°C)	[kW]		0.98	0.98	1.18	1.18	1.69	1.69	2.28

Calentador combinado con bomba de calor		Exterior	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM14YA	AURUM16VA	AURUM16YA
		Interior	AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240
		-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Capacidad de control		[kW]	0.014	0.014	0.020	0.014	0.020	0.014	0.020
P _{off} (Consumo en modo OFF)		[kW]	0.024	0.024	0.030	0.024	0.030	0.024	0.030
P _{by} (Consumo en modo temostato apagado)		[kW]	0.014	0.014	0.020	0.014	0.020	0.014	0.020
P _{stb} (Consumo en modo Standby)		[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
P _{ck} (Modelo calentador de cárter eléctrico)		[kW]	5.67	6.35	6.35	6.35	6.35	6.35	6.35
Q _{elec} (Consumo eléctrico diario)		[kWh]	-	-	-	-	-	-	-
Q _{fuel} (Consumo combustible diario)		[kWh]	-	-	-	-	-	-	-
Condiciones de carga parcial para calefacción de espacios en clima medio									
Condición (A) (-7°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	6.78	10.24	10.24	10.68	10.68	11.52	11.52
	COP _d (COP declarado)	-	2.24	2.01	2.01	2.01	2.01	1.99	1.99
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	4.28	6.52	6.52	6.86	6.86	7.18	7.18
	COP _d (COP declarado)	-	3.42	3.44	3.44	3.43	3.43	3.34	3.34
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	2.77	4.36	4.36	4.63	4.63	4.67	4.67
	COP _d (COP declarado)	-	4.52	4.59	4.59	4.66	4.66	4.61	4.61
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	P _{th} (Capacidad de calefac. declarada)	[kW]	1.58	3.29	3.29	3.31	3.31	3.32	3.32
	COP _d (COP declarado)	-	5.68	6.05	6.05	6.13	6.13	6.07	6.07
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10	-10	-10	-10	-10	-10	-10
	P _{th} (Capacidad de calefac. declarada)	[kW]	5.38	9.1	9.1	9.19	9.19	10.33	10.33
	COP _d (COP declarado)	-	1.83	1.79	1.79	1.76	1.76	1.80	1.80
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65	65	65
(F) Temperatura Tivalente	T _{bw}	[°C]	-7	-7	-7	-7	-7	-7	-7
	P _{th} (Capacidad de calefac. declarada)	[kW]	6.78	10.27	10.27	10.68	10.68	11.52	11.52
	COP _d (COP declarado)	-	2.24	2.01	2.01	2.01	2.01	1.99	1.99
Capacidad del calentador auxiliar integrado en la unidad	P _{sup} calentador auxiliar (@ Tdesignth: -10°C)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Capacidad suplém. en P _{design}	P _{sup} (@ Tdesignth: -10°C)	[kW]	2.28	2.5	2.5	2.91	2.91	2.67	2.67

Explicación sobre el tipo de unidad interior:

1. AURUM4-10D190 incluye el siguiente tipo :
 - AURUM4-10D190 + tanque de 3kW : 190L con resistencia auxiliar de 3kW y monofásica.
 - AURUM4-10D190 + depósito de 6 kW : 190L con resistencia auxiliar de 6 kW y monofásica.
 - AURUM4-10D190 + depósito de 9kW : 190L con resistencia auxiliar de 9kW y trifásica.
2. AURUM4-10D240 incluye el siguiente tipo:
 - AURUM4-10D240 + tanque de 3kW : 240L con resistencia auxiliar de 3kW y monofásica.
 - AURUM4-10D240 + depósito de 6kW : 240L con resistencia auxiliar de 6kW y monofásica.
 - AURUM4-10D240 + depósito de 9kW : 240L con resistencia auxiliar de 9kW y trifásica.
3. AURUM12-16D240 incluye el siguiente tipo:
 - AURUM12-16D240 + tanque de 3kW : 240L con resistencia auxiliar de 3kW y monofásica.
 - AURUM12-16D240 + tanque de 6kW : 240L con resistencia auxiliar de 6kW y monofásica.
 - AURUM12-16D240 + depósito de 9 kW : 240L con resistencia auxiliar de 9 kW y trifásica.

Nota:

Los detalles y precauciones de instalación, mantenimiento y montaje se encuentran en los manuales de instalación y/o funcionamiento.

(*)Potencia sonora en modo calefacción, medida según la norma EN 12102 en las condiciones de la norma EN 14825.

Estos datos sirven para comparar las eficiencias energéticas según la directiva 2010/30/UE sobre la etiqueta energética. Para seleccionar correctamente los productos para su aplicación, póngase en contacto con su distribuidor. Dependiendo de su aplicación y del producto seleccionado, puede ser necesario instalar un calefactor adicional.

Calefacción de espacios			Para aplicación en temperatura media											
Unidad exterior	Unidad interior	Clase de eficiencia energética	Potencia sonora ud. interior	Potencia sonora ud. exterior	Clima medio				Clima más frío			Clima más cálido		
					Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh	
AURUM4VA	AURUM4-6HIDRO	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
	AURUM4-10D190	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
	AURUM4-10D240	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614	
AURUM6VA	AURUM4-6HIDRO	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
	AURUM4-10D190	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
	AURUM4-10D240	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634	
AURUM8VA	AURUM8-10HIDRO	A++	42	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
	AURUM4-10D190	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
	AURUM4-10D240	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485	
AURUM10VA	AURUM8-10HIDRO	A++	42	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
	AURUM4-10D190	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
	AURUM4-10D240	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496	
AURUM12VA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776	
	AURUM12-16D240	A++	42	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776	
AURUM12YA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780	
AURUM14VA	AURUM12-16D240	A++	42	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780	
	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258	
AURUM14YA	AURUM12-16D240	A++	44	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258	
	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262	
AURUM16VA	AURUM12-16D240	A++	44	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262	
	AURUM12-16HIDRO	A++	43	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231	
AURUM16YA	AURUM12-16D240	A++	44	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231	
	AURUM12-16HIDRO	A++	43	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236	
	AURUM12-16D240	A++	44	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236	

Calefacción de espacios		Para aplicación en temperatura baja											
Unidad exterior	Unidad interior	Clase de eficiencia energética	Potencia sonora ud. interior	Potencia sonora ud. exterior	Clima medio			Clima más frío			Clima más cálido		
					Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción	Capacidad calorífica nominal	Eficiencia energética estacional en calefacción	Consumo energía anual en calefacción
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D190	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D240	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-6HIDRO	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
AURUM6VA	AURUM4-10D190	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM4-10D240	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM8-10HIDRO	A+++	42	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM4-10D190	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
AURUM8VA	AURUM4-10D240	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM8-10HIDRO	A+++	42	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D190	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D240	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
AURUM12VA	AURUM12-16HIDRO	A+++	43	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
	AURUM12-16D240	A+++	42	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
AURUM12YA	AURUM12-16HIDRO	A+++	43	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
	AURUM12-16D240	A+++	42	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
AURUM14VA	AURUM12-16HIDRO	A+++	43	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
	AURUM12-16D240	A+++	44	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
AURUM14YA	AURUM12-16HIDRO	A+++	43	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
	AURUM12-16D240	A+++	44	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
AURUM16VA	AURUM12-16HIDRO	A+++	43	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
	AURUM12-16D240	A+++	44	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
AURUM16YA	AURUM12-16HIDRO	A+++	43	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786
	AURUM12-16D240	A+++	44	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Ficha de producto 1

CALEFACCIÓN							Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Potencia sonora de la unidad interior (*)							Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Aplicación en temperatura baja clima medio							dB	38 ^{a)} /38 ^{b)}	38 ^{a)} /38 ^{b)}	42 ^{a)} /40 ^{b)}	42 ^{a)} /40 ^{b)}	43 ^{a)} /42 ^{b)}
Aplicación en temperatura media clima medio							dB	56	58	59	60	64
Calentador auxiliar Psup (opcional)							dB	56	58	59	60	64
Clase de eficiencia energética 35°C (Temp. baja)							[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Clase de eficiencia energética 55°C (Temp. media)							-	A+++	A+++	A+++	A+++	A+++
Clima medio (temperatura de diseño = -10 °C)							-	A++	A++	A++	A++	A++
Prated (capacidad calefac. nominal) @ -10°C							[kW]	5.5	6.8	8.1	9.2	12.0
Eficiencia estacional en calefacción (ηs)							[%]	191.0	195.0	205.6	204.8	189.4
Consumo anual de energía							[kWh]	2,351	2,845	3,218	3,644	5,152
Prated (capacidad calefac. nominal) @ -10°C							[kW]	4.4	5.7	6.6	7.7	11.6
Eficiencia estacional en calefacción (ηs)							[%]	129.5	137.9	131.5	136.6	135.1
Consumo anual de energía							[kWh]	2,744	3,345	4,056	4,539	6,927
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de baja temperatura												
Condición (A) (-7°C)	Pdh (Capacidad de calefacción declarada)						[kW]	4.88	6.03	7.18	8.10	10.61
	COPd (COP declarado)						-	3.19	3.09	3.35	3.23	2.88
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefacción declarada)						[kW]	3.05	3.88	4.65	5.18	6.69
	COPd (COP declarado)						-	4.78	4.85	5.09	5.01	4.65
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefacción declarada)						[kW]	1.93	2.39	2.90	3.32	4.44
	COPd (COP declarado)						-	6.13	6.63	6.82	7.08	6.62
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefacción declarada)						[kW]	1.48	1.39	1.63	1.65	3.74
	COPd (COP declarado)						-	8.05	7.93	8.35	8.58	8.47
	Cdh (coeficiente de degradación)						-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de funcionamiento)						[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefacción declarada)						[kW]	4.41	5.36	6.44	7.40	10.74
	COPd (COP declarado)						-	2.86	2.76	3.04	2.96	2.77
	WTOL (Límite de func. de calefac. agua)						[°C]	65	65	65	65	65

Nota:
a) representa los modelos con módulo hidráulico;
b) representa los modelos con depósito integrado;

Ficha de producto 1

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Potencia sonora de la unidad interior (*)		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
		dB	43 ^a /44 ^b	43 ^a /44 ^b	43 ^a /42 ^b	43 ^a /44 ^b	43 ^a /44 ^b
Potencia sonora de la unidad exterior (*)	Aplicación en temperatura baja clima medio	dB	65	68	64	65	68
Capacidad del calefactor auxiliar integrado en la unidad	Aplicación en temperatura media clima medio	dB	65	68	64	65	68
	Calefactor auxiliar Psup (opcional)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
Calefacción de espacios	Clase de eficiencia energética 35°C (Temp. baja)	-	A+++	A+++	A+++	A+++	A+++
Calefacción de espacios	Clase de eficiencia energética 55°C (Temp. media)	-	A++	A++	A++	A++	A++
Clima medio (temperatura de diseño = -10 °C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -10°C	[kW]	13.7	15.2	12.0	13.7	15.2
	Eficiencia estacional en calefacción (ns)	[%]	185.7	181.7	189.3	185.6	181.6
	Consumo anual de energía	[kWh]	6,012	6,804	5,153	6,013	6,805
Calefacción de espacios 55°C	Prated (capacidad calefac. nominal) @ -10°C	[kW]	12.1	13.0	11.6	12.1	13.0
	Eficiencia estacional en calefacción (ns)	[%]	135.6	133.3	135.1	135.6	133.2
	Consumo anual de energía	[kWh]	7,202	7,895	6,928	7,203	7,896
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de baja temperatura							
Condición (A) (-7°C)	Pdh (Capacidad de calefacción declarada)	[kW]	12.14	13.45	10.61	12.14	13.45
	COPd (COP declarado)	-	2.79	2.72	2.88	2.79	2.72
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefacción declarada)	[kW]	7.94	8.56	6.69	7.94	8.56
	COPd (COP declarado)	-	4.52	4.41	4.65	4.52	4.41
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefacción declarada)	[kW]	5.20	5.70	4.44	5.20	5.70
	COPd (COP declarado)	-	6.68	6.56	6.62	6.68	6.56
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefacción declarada)	[kW]	3.75	3.78	3.74	3.75	3.78
	COPd (COP declarado)	-	8.52	8.51	8.47	8.52	8.51
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de funcionamiento)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefacción declarada)	[kW]	11.47	12.52	10.74	11.47	12.52
	COPd (COP declarado)	-	2.59	2.48	2.77	2.59	2.48
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65

Nota:
a) representa los modelos con módulo hidráulico;
b) representa los modelos con depósito integrado;

Ficha de producto 2

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
(F) Temperatura Tivalente	Tbiv		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
	Pdh (Capacidad de calefac. declarada)	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	4.88	6.03	7.18	8.10	10.61
	COPd (COP declarado)	-	3.19	3.09	3.35	3.23	2.88
Capacidad suplem. en P_design	Psup (@Tdesignh: -10°C)	[kW]	1.11	1.45	1.68	1.76	1.26
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.89	5.04	5.84	6.78	10.24
	COPd (COP declarado)	-	2.17	2.17	2.16	2.24	2.01
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.38	3.12	3.75	4.28	6.52
	COPd (COP declarado)	-	3.30	3.51	3.30	3.42	3.44
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.94	2.08	2.42	2.77	4.36
	COPd (COP declarado)	-	4.41	4.54	4.34	4.52	4.59
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.32	1.28	1.39	1.58	3.29
	COPd (COP declarado)	-	5.66	5.59	5.33	5.68	6.05
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.42	4.52	4.90	5.38	9.10
	COPd (COP declarado)	-	1.91	1.91	1.84	1.83	1.79
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tivalente	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	3.89	5.04	5.84	6.78	10.24
	COPd (COP declarado)	-	2.17	2.17	2.16	2.24	2.01
	Psup (@Tdesignh: -10°C)	[kW]	0.98	1.18	1.69	2.28	2.50
Clima más frío (temperatura de diseño = -22°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -22°C	[kW]	4.6	5.6	7.0	7.7	11.4
	Eficiencia estacional en calefacción (ηs)	[%]	159.5	165.3	170.0	169.8	160.2
	Consumo anual de energía	[kWh]	2,769	3,300	3,976	4,423	6,870

Ficha de producto 2

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
(F) Temperatura Tbivalente		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	12.14	13.45	10.61	12.14	13.45
	COPd (COP declarado)	-	2.79	2.72	2.88	2.79	2.72
Capacidad suplém. en P_design	Psup (@Tdesignh: -10°C)	[kW]	2.23	2.68	1.26	2.23	2.68
Condiciones de carga parcial para calefacción de espacios en clima medio y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (COP declarado)	-	2.01	1.99	2.01	2.01	1.99
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	6.86	7.18	6.52	6.86	7.18
	COPd (COP declarado)	-	3.43	3.34	3.44	3.43	3.34
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.63	4.67	4.36	4.63	4.67
	COPd (COP declarado)	-	4.66	4.61	4.59	4.66	4.61
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.31	3.31	3.29	3.31	3.31
	COPd (COP declarado)	-	6.13	6.07	6.05	6.13	6.07
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (Capacidad de calefac. declarada)	[kW]	9.19	10.33	9.10	9.19	10.33
	COPd (COP declarado)	-	1.76	1.80	1.79	1.76	1.80
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
(F) Temperatura Tbivalente	Tbiv	[°C]	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (COP declarado)	-	2.01	1.99	2.01	2.01	1.99
	Psup (@Tdesignh: -10°C)	[kW]	2.91	2.67	2.50	2.91	2.67
Clima más frío (temperatura de diseño = -22°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ -22°C	[kW]	12.6	13.7	11.4	12.6	13.7
	Eficiencia estacional en calefacción (ns)	[%]	159.6	157.8	160.2	159.6	157.8
	Consumo anual de energía	[kWh]	7,667	8,431	6,871	7,667	8,431

Ficha de producto 3

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Calefacción de espacios 55°C	Prated (capacidad calefac. nominal) @ -22°C	[kW]	3.4	4.3	5.8	6.7	10.3
	Eficiencia estacional en calefacción (ηs)	[%]	102.1	111.1	112.0	116.4	117.8
	Consumo anual de energía	[kWh]	3,159	3,681	4,950	5,540	8,419
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura baja							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.75	3.42	4.46	4.83	7.05
	COPd (COP declarado)	-	3.49	3.59	3.66	3.60	3.48
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.77	2.06	2.69	2.94	4.67
	COPd (COP declarado)	-	4.95	5.21	5.20	5.26	4.96
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.17	1.46	1.65	1.92	3.14
	COPd (COP declarado)	-	5.53	6.24	6.53	7.08	6.10
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.43	1.44	1.65	1.65	3.57
	COPd (COP declarado)	-	7.67	7.66	7.96	7.96	7.87
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	2.80	3.48	4.06	4.62	7.01
	COPd (COP declarado)	-	1.97	1.96	1.95	1.97	1.98
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
(F) Temperatura Bivalente	Pdh (Capacidad de calefac. declarada)	[kW]	3.72	4.59	5.69	6.32	9.28
	COPd (COP declarado)	-	2.57	2.53	2.83	2.64	2.59
Capacidad suplem. en P_design	Psup (@Tdesignh: -22°C)	[kW]	1.76	2.15	2.91	3.08	4.40
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	2.13	2.70	3.86	4.27	6.63
	COPd (COP declarado)	-	2.32	2.46	2.48	2.54	2.63
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 3

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
CALEFACCIÓN		Exterior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Prated (capacidad calefac. nominal) @ -22°C	[kW]	11.0	11.8	10.3	11.0	11.8
	Eficiencia estacional en calefacción (ηs)	[%]	118.9	121.8	117.7	118.9	121.8
CALEFACCIÓN	Consumo anual de energía	[kWh]	8,866	9,309	8,420	8,867	9,310
	Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura baja						
			7.96	8.31	7.05	7.96	8.31
Condición (A) (-7°C)	Pdh (Capacidad de calefac. declarada)	[kW]					
	COPd (COP declarado)	-	3.44	3.37	3.48	3.44	3.37
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	5.05	5.26	4.67	5.05	5.26
	COPd (COP declarado)	-	4.92	4.86	4.96	4.92	4.86
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.15	3.62	3.14	3.15	3.62
	COPd (COP declarado)	-	6.11	6.49	6.10	6.11	6.49
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.57	3.34	3.57	3.57	3.34
	COPd (COP declarado)	-	7.82	7.40	7.87	7.82	7.40
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	7.57	8.88	7.01	7.57	8.88
	COPd (COP declarado)	-	1.92	1.97	1.98	1.92	1.97
(F) Temperatura Tbivalente	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (Capacidad de calefac. declarada)	[kW]	10.31	11.22	9.28	10.31	11.22
Capacidad suplem. en P_design	COPd (COP declarado)	-	2.53	2.43	2.59	2.53	2.43
	Psup (@Tdesign: -22°C)	[kW]	5.03	4.82	4.40	5.03	4.82
	Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media						
Condición (A) (-7°C)			6.89	7.64	6.63	6.89	7.64
	Pdh (Capacidad de calefac. declarada)	[kW]					
	COPd (COP declarado)	-	2.66	2.65	2.63	2.66	2.65
Condición (A) (-7°C)	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 4

CALEFACCIÓN		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
	COPd (COP declarado)	[kW]	1.28	1.60	2.21	2.57	4.06
	Cdh(coeficiente de degradación)	-	2.99	3.36	3.35	3.51	3.60
		-	0.90	0.90	0.90	0.90	0.90
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.01	1.02	1.44	1.65	2.78
	COPd (COP declarado)	-	3.86	3.94	4.11	4.37	4.54
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
		[kW]	1.36	1.37	1.46	1.47	3.33
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	-	6.28	6.35	5.92	5.96	6.25
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (Capacidad de calefac. declarada)	[kW]	1.64	2.09	2.80	2.80	4.19
(E) Toi (Temperatura límite de funcionamiento)	COPd (COP declarado)	-	1.02	1.13	1.22	1.22	1.13
	WTOL (Límite de func. de calefac. agua) [°C]	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (Capacidad de calefac. declarada)	[kW]	2.74	3.47	4.71	5.47	8.41
(F) Temperatura Tbivalente	COPd (COP declarado)	-	1.74	1.86	1.90	2.00	1.84
	Psup (@ Tdesign: -22°C)	[kW]	1.72	2.17	2.97	3.91	6.12
Clima más cálido (Temperatura diseño = 2°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ 2°C	[kW]	5.5	6.1	8.1	8.6	11.1
	Eficiencia estacional en calefacción (ηs)	[%]	255.4	259.8	276.6	280.5	256.1
	Consumo anual de energía	[kWh]	1,146	1,244	1,551	1,617	2,292
	Prated (capacidad calefac. nominal) @ 2°C	[kW]	5.0	5.1	8.37	8.6	12.5
Calefacción de espacios 55°C	Eficiencia estacional en calefacción (ηs)	[%]	162.4	164.7	176.9	180.3	174.0
	Consumo anual de energía	[kWh]	1,621	1,640	2,485	2,516	3,776
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	5.34	5.93	7.56	8.44	11.10
	COPd (COP declarado)	-	3.94	3.91	3.98	3.84	3.59
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.56	3.93	5.22	5.52	7.14
Condición (C) (7°C)	COPd (COP declarado)	-	5.92	5.89	6.26	6.18	5.87
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 4

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.32	4.42	4.06	4.32	4.42
	COPd (COP declarado)	-	3.66	3.79	3.60	3.66	3.79
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.06	2.97	2.78	3.06	2.97
Condición (C) (7°C)	COPd (COP declarado)	-	4.72	4.81	4.54	4.72	4.81
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	3.33	3.43	3.33	3.33	3.43
Condición (D) (12°C)	COPd (COP declarado)	-	6.25	6.29	6.25	6.25	6.29
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
(E) Tol (Temperatura límite de funcionamiento)	Pdh (Capacidad de calefac. declarada)	[kW]	4.20	5.21	4.19	4.20	5.21
	COPd (COP declarado)	-	1.13	1.23	1.13	1.13	1.23
	WTOL (Límite de func. de calefac. agua) [°C]	[°C]	65	65	65	65	65
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
(F) Temperatura Tbiivalente	Pdh (Capacidad de calefac. declarada)	[kW]	8.94	9.61	8.41	8.94	9.61
	COPd (COP declarado)	-	1.79	1.86	1.84	1.79	1.86
	Psup (@Tdesignh: -22°C)	[kW]	6.76	6.59	6.12	6.76	6.59
Clima más cálido (Temperatura diseño = 2°C)							
Calefacción de espacios 35°C	Prated (capacidad calefac. nominal) @ 2°C	[kW]	12.1	13.1	11.1	12.1	13.1
	Eficiencia estacional en calefacción (ns)	[%]	260.3	248.5	255.6	259.8	248.1
	Consumo anual de energía	[kWh]	2,457	2,781	2,296	2,462	2,786
	Prated (capacidad calefac. nominal) @ 2°C	[kW]	14.17	14.17	12.5	14.17	14.17
Calefacción de espacios 55°C	Eficiencia estacional en calefacción (ns)	[%]	174.9	176.0	173.8	174.7	175.8
	Consumo anual de energía	[kWh]	4,258	4,231	3,780	4,231	4,236
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	12.04	13.10	11.10	12.04	13.10
	COPd (COP declarado)	-	3.44	3.35	3.59	3.44	3.35
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	7.78	8.41	7.14	7.78	8.41
Condición (C) (7°C)	COPd (COP declarado)	-	5.84	5.36	5.87	5.84	5.36
	Cdh(coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

Ficha de producto 5

CALEFACCIÓN														
		Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA							
			AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240							
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.63	1.79	2.62	2.62	3.55							
	COPd (COP declarado)	-	7.91	8.20	9.23	9.04	7.94							
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90							
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00							
	Pdh (Capacidad de calefac. declarada)	[kW]	5.34	5.93	7.56	8.44	11.10							
	COPd (COP declarado)	-	3.94	3.91	3.98	3.84	3.59							
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65							
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00							
	Pdh (Capacidad de calefac. declarada)	[kW]	3.56	3.93	5.22	5.52	7.14							
(F) Temperatura Tivalente	COPd (COP declarado)	-	5.92	5.89	6.26	6.18	5.87							
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.18	0.55	0.14	0.00							
	Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media													
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	4.83	5.02	7.55	8.06	12.07							
	COPd (COP declarado)	-	2.51	2.48	2.59	2.59	2.31							
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90							
Condición (C) (7°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.22	3.31	5.38	5.54	8.04							
	COPd (COP declarado)	-	3.68	3.67	4.01	4.10	3.86							
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90							
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	1.47	1.59	2.31	2.53	3.75							
	COPd (COP declarado)	-	5.15	5.29	5.55	5.82	5.70							
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90							
(E) Tol (Temperatura límite de funcionamiento)	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00							
	Pdh (Capacidad de calefac. declarada)	[kW]	4.83	5.02	7.55	8.06	12.07							
	COPd (COP declarado)	-	2.51	2.48	2.59	2.59	2.31							
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65							
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00							
	Pdh (Capacidad de calefac. declarada)	[kW]	3.22	3.31	5.38	5.54	8.04							
(F) Temperatura Tivalente	COPd (COP declarado)	-	3.68	3.67	4.01	4.10	3.86							
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.12	0.82	0.48	0.43							

Ficha de producto 5

CALEFACCIÓN		Exterior	AURUM14VA	AURUM16VA	AURUM12VA	AURUM14YA	AURUM16YA
Condición (D) (12°C)	Pdh (Capacidad de calefac. declarada)	[kW]	3.75	3.87	3.55	3.75	3.87
	COPd (COP declarado)	-	8.25	8.11	7.94	8.25	8.11
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
(E) Tol (Temperatura límite de funcionamiento)	Pdh (Capacidad de calefac. declarada)	[kW]	12.04	13.10	11.10	12.04	13.10
	COPd (COP declarado)	-	3.44	3.35	3.59	3.44	3.35
	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
(F) Temperatura Tbivalente	Pdh (Capacidad de calefac. declarada)	[kW]	7.78	8.41	7.14	7.78	8.41
	COPd (COP declarado)	-	5.84	5.36	5.87	5.84	5.36
	Psup (@Tdesignh: 2°C)	[kW]	0.00	0.00	0.00	0.00	0.00
Condiciones de carga parcial para calefacción de espacios en clima frío y aplicación de temperatura media							
Condición (B) (2°C)	Pdh (Capacidad de calefac. declarada)	[kW]	13.04	13.38	12.07	13.04	13.38
	COPd (COP declarado)	-	2.20	2.29	2.31	2.20	2.29
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	9.11	9.11	8.04	9.11	9.11
Condición (C) (7°C)	COPd (COP declarado)	-	3.89	3.89	3.86	3.89	3.89
	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Pdh (Capacidad de calefac. declarada)	[kW]	4.08	4.06	3.75	4.08	4.06
	COPd (COP declarado)	-	5.90	5.86	5.70	5.90	5.86
(E) Tol (Temperatura límite de funcionamiento)	Cdh (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
	Tol (Límite de temperatura de func.)	[°C]	2.00	2.00	2.00	2.00	2.00
	Pdh (Capacidad de calefac. declarada)	[kW]	13.04	13.38	12.07	13.04	13.38
	COPd (COP declarado)	-	2.20	2.29	2.31	2.20	2.29
(F) Temperatura Tbivalente	WTOL (Límite de func. de calefac. agua)	[°C]	65	65	65	65	65
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00
	Pdh (Capacidad de calefac. declarada)	[kW]	9.11	9.11	8.04	9.11	9.11
	COPd (COP declarado)	-	3.89	3.89	3.86	3.89	3.89
Capacidad suplem. en P_design	Psup (@Tdesignh: 2°C)	[kW]	1.13	0.79	0.43	1.13	0.79

Ficha de producto 6

CALEFACCIÓN

Descripción de producto	Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
	Interior	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Bomba de calor aire-agua	S/N	Sí	Sí	Sí	Sí	Sí
	S/N	No	No	No	No	No
	S/N	No	No	No	No	No
	S/N	No	No	No	No	No
	S/N	Sí	Sí	Sí	Sí	Sí
	S/N	Sí	Sí	Sí	Sí	Sí
Equipada con resistencia auxiliar						
Combinación bomba de calor-calentador						
Unidad aire-agua		2770	2770	4030	4030	4060
Unidad salmuera/agua-agua		/	/	/	/	/
Otros	Caudal de aire nominal (exterior)					
	Caudal agua/salmuera nominal (exterior H/E)	-	-	-	-	-
	Control capacidad	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Consumo en modo OFF)	0.014	0.014	0.014	0.014	0.014
	Pto (Consumo en modo termostato apagado)	0.024	0.024	0.024	0.024	0.024
	Psb (Consumo en modo Standby)	0.014	0.014	0.014	0.014	0.014
	PCK (Modelo calentador de cárter eléctrico)	0.000	0.000	0.000	0.000	0.000
	Qelec (Consumo eléctrico diario)	/	/	/	/	/
Qfuel (Consumo combustible diario)		/	/	/	/	/

Nota:
Explicación sobre el tipo de unidad interior:
Serie con módulo hidráulico
1) AURUM4-6HIDRO incluye los siguientes tipos:
AURUM4-6HIDRO sin resistencia auxiliar.
AURUM4-6HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
2) AURUM8-10HIDRO incluye los siguientes tipos:
AURUM8-10HIDRO sin resistencia auxiliar.
AURUM8-10HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM8-10HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16HIDRO incluye los siguientes tipos:
AURUM12-16HIDRO sin resistencia auxiliar.
AURUM12-16HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM12-16HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.

Serie con depósito integrado:
1) AURUM4-10D190 incluye los siguientes tipos:
AURUM4-10D190 + 3kW: depósito de 190L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D190 + 6kW: depósito de 190L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D190 + 9kW: depósito de 190L con resistencia auxiliar de 9kW y trifásica.
2) AURUM4-10D240 incluye los siguientes tipos:
AURUM4-10D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16D240 incluye los siguientes tipos:
AURUM12-16D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM12-16D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM12-16D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
Datos de la ficha del producto según la directiva de la etiqueta energética 2010/30/CE reglamento (UE) 811/2013.
Potencia sonora medida según la norma EN12102 en condiciones de la norma EN14825.
Los detalles y las precauciones sobre la instalación, el mantenimiento y el montaje se encuentran en los manuales de instalación y/o funcionamiento.

Ficha de producto 6

CALEFACCIÓN

		Exterior	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
		Interior	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
Descripción de producto	Bomba de calor aire-agua	SN	Sí	Sí	Sí	Sí	Sí
	Bomba de calor agua-agua	SN	No	No	No	No	No
	Bomba de calor salmuera-agua	SN	No	No	No	No	No
	Bomba de calor baja temperatura	SN	No	No	No	No	No
	Equipada con resistencia auxiliar	SN	Sí	Sí	Sí	Sí	Sí
	Combinación bomba de calor-calentador	SN	Sí	Sí	Sí	Sí	Sí
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	4060	4650	4060	4060	4650
Unidad salmuera/agua-agua	Caudal agua/salmuera nominal (exterior H/E)	-	/	/	/	/	/
Otros	Control capacidad	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Consumo en modo OFF)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pto (Consumo en modo termostato apagado)	[kW]	0.024	0.024	0.030	0.030	0.030
	Psb (Consumo en modo Standby)	[kW]	0.014	0.014	0.020	0.020	0.020
	PCK (Modelo calentador de cárter eléctrico)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Consumo eléctrico diario)	[kWh]	/	/	/	/	/
	Qfuel (Consumo combustible diario)	[kWh]	/	/	/	/	/

Nota:
Explicación sobre el tipo de unidad interior:
Serie con módulo hidráulico
1) AURUM4-6HIDRO incluye los siguientes tipos:
AURUM4-6HIDRO sin resistencia auxiliar.
AURUM4-6HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
2) AURUM8-10HIDRO incluye los siguientes tipos:
AURUM8-10HIDRO sin resistencia auxiliar.
AURUM8-10HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM8-10HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16HIDRO incluye los siguientes tipos:
AURUM12-16HIDRO sin resistencia auxiliar.
AURUM12-16HIDRO + 3kW: con resistencia auxiliar de 3kW y monofásica.
AURUM12-16HIDRO + 9kW: con resistencia auxiliar de 9kW y trifásica.
Serie con depósito integrado:
1) AURUM4-10D190 incluye los siguientes tipos:
AURUM4-10D190 + 3kW: depósito de 190L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D190 + 6kW: depósito de 190L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D190 + 9kW: depósito de 190L con resistencia auxiliar de 9kW y trifásica.
2) AURUM4-10D240 incluye los siguientes tipos:
AURUM4-10D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM4-10D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM4-10D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
3) AURUM12-16D240 incluye los siguientes tipos:
AURUM12-16D240 + 3kW: depósito de 240L con resistencia auxiliar de 3kW y monofásica.
AURUM12-16D240 + 6kW: depósito de 240L con resistencia auxiliar de 6kW y monofásica.
AURUM12-16D240 + 9kW: depósito de 240L con resistencia auxiliar de 9kW y trifásica.
Datos de la ficha del producto según la directiva de la etiqueta energética 2010/30/CE reglamento (UE) 811/2013.
Potencia sonora medida según la norma EN12102 en condiciones de la norma EN14825.
Los detalles y las precauciones sobre la instalación, el mantenimiento y el montaje se encuentran en los manuales de instalación y/o funcionamiento.

Ficha de producto 7

REFRIGERACIÓN							
	Potencia sonora ud. interior (*)	Exterior	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
			AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Potencia sonora ud. exterior (*)	Clima medio, aplicación de temperatura media	dB	38	40	42	42	43
		dB	56	58	60	61	65
		dB	55	58	60	60	64
Refrigeración 7°C	Prated (capac. refrigeración declarada) @ 35°C	[kW]	4.7	7.0	7.4	8.2	11.6
	Eficiencia estacional refrigeración (ηs)	[%]	196.2	209.5	230.1	235.3	194.2
	Consumo anual de energía	[kWh]	566	791	762	826	1,412
Refrigeración 18°C	Prated (capac. refrigeración declarada) @ 35°C	[kW]	4.5	6.55	8.4	10.0	12.0
	Eficiencia estacional refrigeración (ηs)	[%]	307.7	326.8	354.9	348.8	282.4
	Consumo anual de energía	[kWh]	348	477	563	682	1,009
Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 7°C							
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	4.70	7.00	7.40	8.20	11.60
	EERd (EER declarado)	-	3.45	3.00	3.38	3.30	2.75
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	3.66	5.13	5.72	6.68	8.76
	EERd (EER declarado)	-	4.76	4.00	4.71	4.47	3.93
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	2.21	3.48	3.62	4.26	5.81
	EERd (EER declarado)	-	5.72	6.45	6.65	7.02	5.73
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	0.94	1.53	1.64	1.94	2.63
	EERd (EER declarado)	-	5.72	7.73	8.55	9.54	6.75
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90

(*)Potencia sonora medida según la norma EN12102 en las condiciones de la norma EN14825.

Ficha de producto 7

REFRIGERACIÓN									
Potencia sonora ud. interior (*)		Exterior		AURUM14/A	AURUM16/A	AURUM12/A	AURUM14/A	AURUM16/A	
		Interior		AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	
Potencia sonora ud. exterior (*)	Clima medio, aplicación de baja temperatura	dB	dB	44	44	43	44	44	44
		dB	dB	65	68	65	65	68	68
	Clima medio, aplicación de temperatura media	dB	dB	64	67	64	64	67	67
		Prated (capac. refrigeración declarada) @ 35°C	[kW]	[kW]	12.7	14.0	11.6	12.7	14.0
Refrigeración 7°C	Eficiencia estacional refrigeración (ηs)	[%]	[%]	192.4	184.1	193.0	191.4	183.3	183.3
	Consumo anual de energía	[kWh]	[kWh]	1,560	1,796	1,420	1,568	1,804	1,804
	Prated (capac. refrigeración declarada) @ 35°C	[kW]	[kW]	13.5	14.2	12.0	13.5	14.2	14.2
	Eficiencia estacional refrigeración (ηs)	[%]	[%]	274.4	266.8	280.1	272.5	265.0	265.0
Refrigeración 18°C	Consumo anual de energía	[kWh]	[kWh]	1,168	1,263	1,017	1,176	1,271	1,271
	Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 7°C								
	Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	12.70	14.00	11.60	12.70	14.00	14.00
		EERd (EER declarado)	-	2.55	2.45	2.75	2.55	2.45	2.45
Cdc (coeficiente de degradación)		-	0.90	0.90	0.90	0.90	0.90	0.90	
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	9.41	10.68	8.76	9.41	10.68	10.68	
	EERd (EER declarado)	-	3.85	3.63	3.93	3.85	3.63	3.63	
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	6.16	6.76	5.81	6.16	6.76	6.76	
	EERd (EER declarado)	-	5.80	5.27	5.73	5.80	5.27	5.27	
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	2.63	3.41	2.63	2.63	3.41	3.41	
	EERd (EER declarado)	-	6.74	7.29	6.75	6.74	7.29	7.29	
	Cdc (coeficiente de degradación)	-	0.90	0.90	0.90	0.90	0.90	0.90	

(*)Potencia sonora medida según la norma EN12102 en las condiciones de la norma EN14825.

Ficha de producto 8

REFRIGERACIÓN		Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 18 °C							
		Exterior		AURUM4VA		AURUM6VA		AURUM8VA	
		Interior		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240		AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]		4.50		6.55		8.40	
	EERd (EER declarado)	-		5.55		4.90		5.05	
	Cdc (coeficiente de degradación)	-		0.90		0.90		0.90	
	Pdc (capac. refrigeración declarada)	[kW]		3.44		4.84		6.47	
Condición (B) (30°C)	EERd (EER declarado)	-		7.23		7.16		7.02	
	Cdc (coeficiente de degradación)	-		0.90		0.90		0.90	
	Pdc (capac. refrigeración declarada)	[kW]		2.19		3.26		4.31	
Condición (C) (25°C)	EERd (EER declarado)	-		8.94		9.64		10.67	
	Cdc (coeficiente de degradación)	-		0.90		0.90		0.90	
	Pdc (capac. refrigeración declarada)	[kW]		1.13		1.41		1.80	
	EERd (EER declarado)	-		10.48		11.48		13.61	
Condición (D) (20°C)	Cdc (coeficiente de degradación)	-		0.90		0.90		0.90	
	Caudal de aire nominal (exterior)	[m³/h]		2770		2770		4030	
	Caudal de aire/salmuera nominal (exterior H/E)	-		/		/		/	
	Control de capacidad	-		Inverter		Inverter		Inverter	
Otros	Poff (Consumo en modo Off)	[kW]		0.014		0.014		0.014	
	Pto (Consumo en modo termostato apagado)	[kW]		0.010		0.010		0.010	
	Psb (Consumo en modo espera)	[kW]		0.014		0.014		0.014	
	Pck (Modo calentador del cárter)	[kW]		0.000		0.000		0.000	
	Qelec (Consumo eléctrico diario)	[kWh]		/		/		/	
	Qfuel (Consumo combustible diario)	[kWh]		/		/		/	

Ficha de producto 8

REFRIGERACIÓN		Exterior	AURUM14VA				AURUM16VA				AURUM12YA				AURUM14YA				AURUM16YA			
			AURUM12-16HIDRO AURUM12-16D240				AURUM12-16HIDRO AURUM12-16D240				AURUM12-16HIDRO AURUM12-16D240				AURUM12-16HIDRO AURUM12-16D240				AURUM12-16HIDRO AURUM12-16D240			
Condiciones de carga parcial en refrigeración: aplicación de baja temperatura @ 18°C																						
Condición (A) (35°C)	Pdc (capac. refrigeración declarada)	[kW]	13.50				14.20				12.00				13.50				14.20			
	EERd (EER declarado)	-	3.61				3.61				4.00				3.61				3.61			
	Cdc (coeficiente de degradación)	-	0.90				0.90				0.90				0.90				0.90			
Condición (B) (30°C)	Pdc (capac. refrigeración declarada)	[kW]	10.20				11.42				9.21				10.20				11.42			
	EERd (EER declarado)	-	5.26				5.14				5.50				5.26				5.14			
	Cdc (coeficiente de degradación)	-	0.90				0.90				0.90				0.90				0.90			
Condición (C) (25°C)	Pdc (capac. refrigeración declarada)	[kW]	6.57				7.27				5.74				6.57				7.27			
	EERd (EER declarado)	-	8.45				7.83				8.66				8.45				7.83			
	Cdc (coeficiente de degradación)	-	0.90				0.90				0.90				0.90				0.90			
Condición (D) (20°C)	Pdc (capac. refrigeración declarada)	[kW]	3.33				3.40				3.33				3.33				3.40			
	EERd (EER declarado)	-	10.07				10.35				10.07				10.07				10.35			
	Cdc (coeficiente de degradación)	-	0.90				0.90				0.90				0.90				0.90			
Unidad aire-agua	Caudal de aire nominal (exterior)	[m³/h]	4060				4650				4060				4060				4650			
Unidad agua/salmuera-agua	Caudal de aire/salmuera nominal (exterior H/E)	-	/				/				/				/				/			
Otros	Control de capacidad	-	Inverter				Inverter				Inverter				Inverter				Inverter			
	Poff (Consumo en modo Off)	[kW]	0.014				0.014				0.020				0.020				0.020			
	Pto (Consumo en modo termostato apagado)	[kW]	0.010				0.010				0.010				0.010				0.010			
	Psb (Consumo en modo espera)	[kW]	0.014				0.014				0.020				0.020				0.020			
	Pck (Modo calentador del cárter)	[kW]	0.000				0.000				0.000				0.000				0.000			
	Qelec (Consumo eléctrico diario)	[kWh]	/				/				/				/				/			
	Qfuel (Consumo combustible diario)	[kWh]	/				/				/				/				/			

Unidad exterior	Unidad interior	Temperatura ambiente: 35/24 Temperatura agua: 23/18			Temperatura ambiente: 35/24 Temperatura agua: 12/7			Temperatura ambiente: 7/6 Temperatura agua: 30/35			Temperatura ambiente: 2/1 Temperatura agua: 30/35		
		Capacidad kW	Entrada kW	EER	Capacidad kW	Entrada kW	EER	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D190	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D240	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
AURUM6VA	AURUM4-6HIDRO	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D190	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D240	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
AURUM8VA	AURUM8-10HIDRO	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D190	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D240	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
AURUM10VA	AURUM8-10HIDRO	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D190	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D240	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
AURUM12VA	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16D240	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
AURUM14VA	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16D240	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
AURUM16VA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
AURUM16YA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50

Unidad exterior	Unidad interior	Temperatura ambiente: -7/-8 Temperatura agua: 30/35			Temperatura ambiente: 7/6 Temperatura agua: 40/45			Temperatura ambiente: 2/1 Temperatura agua: 40/45			Temperatura ambiente: -7/-8 Temperatura agua: 40/45		
		Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D190	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D240	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
AURUM6VA	AURUM4-6HIDRO	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D190	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D240	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
AURUM8VA	AURUM8-10HIDRO	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D190	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D240	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
AURUM10VA	AURUM8-10HIDRO	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D190	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D240	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
AURUM12VA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM12YA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM14VA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM14YA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM16VA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
AURUM16YA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23

Unidad exterior	Unidad interior	Temperatura ambiente: 7/6 Temperatura agua: 47/55			Temperatura ambiente: 2/1 Temperatura agua: 47/55			Temperatura ambiente: -7/-8 Temperatura agua: 47/55		
		Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP	Capacidad kW	Entrada kW	COP
AURUM4VA	AURUM4-6HIDRO	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D190	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D240	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
AURUM6VA	AURUM4-6HIDRO	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D190	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D240	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
AURUM8VA	AURUM8-10HIDRO	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D190	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D240	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
AURUM10VA	AURUM8-10HIDRO	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D190	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D240	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
AURUM12VA	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM12YA	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM14VA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
AURUM16VA	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
AURUM16YA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{\text{target}} =$	29.1%
2	Eficiencia general (η_e) =	33.1%
3	Apto o no (Criterio: $\eta_e \geq \eta_{\text{target}}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =43.9
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.190kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.368m ³ /s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	NIDEC SHIBAURA (ZHEJIANG) CORP.

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{target} =$	29.1%
2	Eficiencia general (η_e) =	33.7%
3	Apto o no (Criterio: $\eta_e \geq \eta_{target}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =44.6
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.186kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.37m3/s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.

Información ErP

Tipo ventilador	Ventilador axial		
Directiva (o norma) de regulación		Directiva ErP 2009/125/EC REGULACIÓN COMISIÓN (EU) No 327/2011	
Modelo	WZDK170-38G-1	Rev.	
Preparado por			

Especificaciones del ventilador

No.	Concepto	Observaciones
1	$\eta_{target} =$	29.0%
2	Eficiencia general (η_e) =	34.6%
3	Apto o no (Criterio: $\eta_e \geq \eta_{target}$)	Apto
4	Categoría de medición (A-D)	A
5	Categoría de eficiencia (estática o total)	Estática
6	Grado de eficiencia en punto óptimo de eficiencia energética	N =4.57
7	VSD integrado	Sí
8	Año de fabricación	Consultar placa de características
9	Nombre y lugar de fabricación	Consultar placa de características
10.1	Potencia nominal del motor (kW), con una eficiencia energética óptima	0.180kw
10.2	Caudal nominal del motor con una eficiencia energética óptima	1.378m3/s
10.3	Presión nominal del motor con una eficiencia energética óptima	40Pa
11	Revoluciones por minuto (R.P.M) en el punto de eficiencia energética óptima	800r/min
12	Relación específica	1.001
13	Información relevante para facilitar el desmontaje, el reciclaje o la eliminación al final de la vida útil	Todos los materiales pueden reciclarse
14	Información relevante para minimizar el impacto en el medio ambiente y garantizar una vida útil óptima en cuanto a la instalación, uso y mantenimiento del ventilador	Para la instalación, se debe mantener un espacio libre de 500 mm desde la entrada
15	Descripción de los elementos adicionales utilizados al determinar la eficiencia energética del ventilador, como los conductos, que no se describen en la categoría de medición y no se suministran con el ventilador.	Medida categoría A, el ventilador está libre de condiciones de entrada y salida
16	Fabricante del motor	Panasonic Motor (HangZhou) CO.,LTD

Product fiche

Energy labelling regulation: (EU)811/2013
Ecodesign regulation: (EU)813/2013

Heat pump combination heater									
Indoor unit sound power(*)	Outdoor	AURUM4VA		AURUM6VA		AURUM8VA		AURUM10VA	
	Indoor	AURUM4-10D190		AURUM4-10D240		AURUM4-10D190		AURUM4-10D240	
Indoor unit sound power(*)	dB	38	38	38	38	38	40	40	40
Outdoor unit sound power(*)	dB	56	56	58	58	58	59	59	60
Water heating	Declared load profile	L	XL	L	XL	L	XL	L	L
	Energy efficiency class	A+	A+	A+	A+	A+	A+	A+	A+
Space heating	Energy efficiency class at 55 °C (High temp. app.)	A++	A++	A++	A++	A++	A++	A++	A++
Average climate									
Water heating	Water heating energy efficiency (η _{wh})	127	136	127	136	125	137	125	125
	Annual electricity consumption (AEC)	801	1229	801	1229	820	1218	820	820
Space heating	P _{rated} (declared heating capacity)@-10 °C	4.4	4.4	5.7	5.7	6.6	6.6	7.7	7.7
	Seasonal space heating efficiency (η _{se})	129.5	129.5	137.9	137.9	131.5	131.5	136.6	136.6
	Annual energy consumption	2744	2744	3345	3345	4056	4056	4539	4539
	Off-peak operation function integrated in heat pump	Y	Y	Y	Y	Y	Y	Y	Y
Colder climate									
Water heating	Water heating energy efficiency (η _{wh})	102	107	102	107	107	111	107	107
	Annual energy consumption	998	1561	998	1561	950	1508	950	950
Space heating	P _{rated} (declared heating capacity)@-22 °C	3.36	3.36	4.26	4.26	5.77	5.77	6.71	6.71
	Seasonal space heating efficiency (η _{se})	102.1	102.1	111.1	111.1	112.0	112.0	116.4	116.4
	Annual energy consumption	3159	3159	3681	3681	4950	4950	5540	5540
	Warmer climate								
Water heating	Water heating energy efficiency (η _{wh})	157	174	157	174	151	171	151	151
	Annual energy consumption	649	963	649	963	675	977	675	675
Space heating	P _{rated} (declared heating capacity)@2 °C	5.01	5.01	5.14	5.14	8.37	8.37	8.63	8.63
	Seasonal space heating efficiency (η _{se})	162.4	162.4	164.7	164.7	176.9	176.9	180.3	180.3
	Annual energy consumption	1621	1621	1640	1640	2485	2485	2516	2516
	Ecodesign technical data								
Product description	Air-to-water heat pump	Y	Y	Y	Y	Y	Y	Y	Y
	Water-to-water heat pump	N	N	N	N	N	N	N	N
	Brine-to-water heat pump	N	N	N	N	N	N	N	N
	Low-temperature heat pump	N	N	N	N	N	N	N	N
	Equipped with a supplementary heater	Y	Y	Y	Y	Y	Y	Y	Y
	Heat pump combination heater	Y	Y	Y	Y	Y	Y	Y	Y
Air-to-water unit	Rated airflow (outdoor)	2770	2770	2770	2770	4030	4030	4030	4030
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	-	-	-	-	-	-	-	-

Heat pump combination heater																
	Outdoor	AURUM10VA		AURUM12VA		AURUM12YA		AURUM14VA		AURUM12YA		AURUM16VA		AURUM16YA		
	Indoor	AURUM4-10D240		AURUM12-16D240		AURUM12-16D240		AURUM12-16D240		AURUM12-16D240		AURUM12-16D240		AURUM12-16D240		
Indoor unit sound power(*)	dB	40		42		42		44		44		44		44		
Outdoor unit sound power(*)	dB	60		64		64		65		65		68		68		
Water heating	-	XL		XL		XL		XL		XL		XL		XL		
	-	A+		A+		A+		A+		A+		A+		A+		
Space heating	-	A++		A++		A++		A++		A++		A++		A++		
Average climate																
Water heating	Water heating energy efficiency (η _{wh})	137		123		123		123		123		123		123		
	Annual electricity consumption (AEC)	1218		1360		1360		1360		1360		1360		1360		
	P _{rated} (declared heating capacity)@-10℃	7.7		11.6		11.6		12.1		12.1		13.0		13.0		
	Seasonal space heating efficiency(η _s)	136.6		135.1		135.1		135.6		135.6		133.3		133.2		
Space heating		4539		6927		6928		7202		7203		7895		7896		
Off-peak operation function integrated in heat pump	Y/N	Y		Y		Y		Y		Y		Y		Y		
Colder climate																
Water heating	Water heating energy efficiency (η _{wh})	111		92		92		92		92		92		92		
	Annual energy consumption	1508		1822		1822		1822		1822		1822		1822		
	P _{rated} (declared heating capacity)@-22℃	6.71		10.31		10.3		10.96		11		11.8		11.8		
	Seasonal space heating efficiency(η _s)	116.4		117.8		117.7		118.9		118.9		121.8		121.8		
Space heating		5540		8419		8420		8866		8867		9309		9310		
Warmer climate																
Water heating	Water heating energy efficiency (η _{wh})	171		153		153		153		153		153		153		
	Annual energy consumption	977		1088		1088		1088		1088		1088		1088		
	P _{rated} (declared heating capacity)@2℃	8.63		12.5		12.5		14.17		14.17		14.17		14.17		
	Seasonal space heating efficiency(η _s)	180.3		174.0		173.8		174.9		174.7		176.0		175.8		
Space heating		2516		3776		3780		4258		4262		4231		4236		
Ecodesign technical data																
Product description	Air-to-water heat pump	Y/N	Y		Y		Y		Y		Y		Y		Y	
	Water-to-water heat pump	Y/N	N		N		N		N		N		N		N	
	Brine-to-water heat pump	Y/N	N		N		N		N		N		N		N	
	Low-temperature heat pump	Y/N	N		N		N		N		N		N		N	
	Equipped with a supplementary heater	Y/N	Y		Y		Y		Y		Y		Y		Y	
	Heat pump combination heater	Y/N	Y		Y		Y		Y		Y		Y		Y	
Air-to-water unit	Rated airflow (outdoor)	[m³/h]	4030		4060		4060		4060		4060		4650		4650	
Brine/water-to-water heat pump	Rated brine/water flow (outdoor H/E)	[m³/h]	-		-		-		-		-		-		-	

Heat pump combination heater		Outdoor	AURUM4VA	AURUM4VA	AURUM6VA	AURUM6VA	AURUM8VA	AURUM8VA	AURUM10VA
		Indoor	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190	AURUM4-10D240	AURUM4-10D190
Other	Capacity control	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	P _{off} (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _b (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.024	0.024	0.024	0.024	0.024
	P _{sb} (Power consumption standby mode)	[kW]	0.014	0.014	0.014	0.014	0.014	0.014	0.014
	P _{CK} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Q _{elec} (Daily electricity consumption)	[kWh]	3.66	5.71	3.66	5.71	3.78	5.67	3.78
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-	-	-	-
Part load conditions space heating average climate									
(A) condition (-7°C)	P _{ah} (declared heating capacity)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
	COP _d (declared COP)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	P _{ah} (declared heating capacity)	[kW]	2.38	2.38	3.12	3.12	3.76	3.76	4.28
	COP _d (declared COP)	-	3.30	3.30	3.51	3.51	3.30	3.30	3.42
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	P _{ah} (declared heating capacity)	[kW]	2.94	2.94	2.08	2.08	2.43	2.43	2.77
	COP _d (declared COP)	-	4.41	4.41	4.54	4.54	4.34	4.34	4.52
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	P _{ah} (declared heating capacity)	[kW]	1.32	1.32	1.28	1.28	1.39	1.39	1.58
	COP _d (declared COP)	-	5.66	5.66	5.59	5.59	5.33	5.33	5.68
	Cdh (degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90	0.90
(E) Tol (Temperature Operating Limit)	Tol (Temperature Operating Limit)	[°C]	-10	-10	-10	-10	-10	-10	-10
	P _{ah} (declared heating capacity)	[kW]	3.42	3.42	4.52	4.52	4.91	4.91	5.38
	COP _d (declared COP)	-	1.91	1.91	1.91	1.91	1.84	1.84	1.83
(F) Trivalent Temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65	65	65
	T _{bw}	[°C]	-7	-7	-7	-7	-7	-7	-7
	P _{ah} (declared heating capacity)	[kW]	3.89	3.89	5.04	5.04	5.84	5.84	6.78
Capacity of the back-up heater integrated in the unit	COP _d (declared COP)	-	2.17	2.17	2.17	2.17	2.16	2.16	2.24
	P _{sub} back-up heater (@ Tdesign: -10°C)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9
	P _{sub} (@ Tdesign: -10°C)	[kW]	0.98	0.98	1.18	1.18	1.69	1.69	2.28

Heat pump combination heater														
	Outdoor	AURUM10VA	AURUM12VA	AURUM12YA	AURUM14VA	AURUM14YA	AURUM16VA	AURUM16YA						
		AURUM4-10D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240	AURUM12-16D240						
Other	Capacity control	-	Yes	Yes	Yes	Yes	Yes	Yes						
	P _{off} (Power consumption Off mode)	[kW]	0.014	0.014	0.020	0.014	0.020	0.014						
	P _b (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.030	0.024	0.030	0.024						
	P _{sb} (Power consumption standby mode)	[kW]	0.014	0.014	0.020	0.014	0.020	0.014						
	P _{CK} (Power crankcase heater model)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000						
	Q _{elec} (Daily electricity consumption)	[kWh]	5.67	6.35	6.35	6.35	6.35	6.35						
	Q _{fuel} (Daily fuel consumption)	[kWh]	-	-	-	-	-	-						
Part load conditions space heating average climate														
(A) condition (-7℃)	P _{th} (declared heating capacity)	[kW]	6.78	10.24	10.24	10.68	10.68	11.52						
	COP _d (declared COP)	-	2.24	2.01	2.01	2.01	2.01	1.99						
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90						
(B) condition (2℃)	P _{th} (declared heating capacity)	[kW]	4.28	6.52	6.52	6.86	6.86	7.18						
	COP _d (declared COP)	-	3.42	3.44	3.44	3.43	3.43	3.34						
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90						
(C) condition (7℃)	P _{th} (declared heating capacity)	[kW]	2.77	4.36	4.36	4.63	4.63	4.67						
	COP _d (declared COP)	-	4.52	4.59	4.59	4.66	4.66	4.61						
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90						
(D) condition (12℃)	P _{th} (declared heating capacity)	[kW]	1.58	3.29	3.29	3.31	3.31	3.32						
	COP _d (declared COP)	-	5.68	6.05	6.05	6.13	6.13	6.07						
	C _{dh} (declaradation coefficient)	-	0.90	0.90	0.90	0.90	0.90	0.90						
(E) Tol (Temperature Operating Limit)	T _{ol} (Temperature Operating Limit)	[℃]	-10	-10	-10	-10	-10	-10						
	P _{th} (declared heating capacity)	[kW]	5.38	9.1	9.1	9.19	9.19	10.33						
	COP _d (declared COP)	-	1.83	1.79	1.79	1.76	1.76	1.80						
(F) Tbovalent Temperature	WTOL(Heating water Operation Limit)	[℃]	65	65	65	65	65	65						
	T _{bw}	[℃]	-7	-7	-7	-7	-7	-7						
	P _{th} (declared heating capacity)	[kW]	6.78	10.27	10.27	10.68	10.68	11.52						
Capacity of the back-up heater integrated in the unit	COP _d (declared COP)	-	2.24	2.01	2.01	2.01	2.01	1.99						
	P _{sbp} back-up heater (@ Tdesignh: -10℃)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9						
	P _{sbp} (@ Tdesignh: -10℃)	[kW]	2.28	2.5	2.5	2.91	2.91	2.67						

Indoor unit type explanation:

1.AURUM4-10D190 includes the following type:

AURUM4-10D190 + 3kW: 190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW: 190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW: 190L tank with 9kW back-up heater and 3-Phase Source.

2.AURUM4-10D240 includes the following type:

AURUM4-10D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.

3.AURUM12-16D240 includes the following type:

AURUM12-16D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.

Note:

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

(*)Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825.

This data is for comparison of Energy efficiencies according to Energy label directive 2010/30/EU, for correct selection of products for your application, contact your dealer.
Depending on your application and the product selected an additional supplementary heater may have to be installed.

Heat pump space heating		For medium - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
	AURUM4-10D190	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
	AURUM4-10D240	A++	38	56	4.4	129.5	2744	3.4	102.1	3158	5.0	163.1	1614
AURUM6VA	AURUM4-6HIDRO	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
	AURUM4-10D190	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
	AURUM4-10D240	A++	38	58	5.7	137.9	3345	4.3	111.1	3680	5.1	165.4	1634
AURUM8VA	AURUM8-10HIDRO	A++	42	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
	AURUM4-10D190	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
	AURUM4-10D240	A++	40	59	6.6	131.5	4056	5.8	112.1	4948	8.37	176.9	2485
AURUM10VA	AURUM8-10HIDRO	A++	42	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
	AURUM4-10D190	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
	AURUM4-10D240	A++	40	60	7.7	136.6	4539	6.7	116.5	5539	8.6	180.3	2496
AURUM12VA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776
	AURUM12-16D240	A++	42	64	11.6	135.1	6927	10.3	117.8	8419	12.5	174.0	3776
AURUM12YA	AURUM12-16HIDRO	A++	43	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780
	AURUM12-16D240	A++	42	64	11.6	135.1	6928	10.3	117.7	8420	12.5	173.8	3780
AURUM14VA	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258
	AURUM12-16D240	A++	44	65	12.1	135.6	7202	11.0	118.9	8866	14.17	174.9	4258
AURUM14YA	AURUM12-16HIDRO	A++	43	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262
	AURUM12-16D240	A++	44	65	12.1	135.6	7203	11.0	118.9	8867	14.17	174.7	4262
AURUM16VA	AURUM12-16HIDRO	A++	43	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231
	AURUM12-16D240	A++	44	68	13.0	133.3	7895	11.8	121.8	9309	14.17	176.0	4231
AURUM16YA	AURUM12-16HIDRO	A++	43	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236
	AURUM12-16D240	A++	44	68	13.0	133.2	7896	11.8	121.8	9310	14.17	175.8	4236

Heat pump space heating		For low - temperature application											
Outdoor unit	Indoor unit	Energy efficiency class	Indoor unit sound power	Outdoor unit sound power	average climate			colder climate			warmer climate		
					Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption	Rated heat output	Seasonal space heating energy efficiency	For space heating, annual energy consumption
		-	dB	dB	kW	%	kWh	kW	%	kWh	kW	%	kWh
AURUM4VA	AURUM4-6HIDRO	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D190	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-10D240	A+++	38	56	5.5	191.0	2351	4.6	159.5	2769	5.5	255.4	1146
	AURUM4-6HIDRO	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
AURUM6VA	AURUM4-10D190	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM4-10D240	A+++	38	58	6.8	195.0	2845	5.6	165.3	3300	6.1	259.8	1244
	AURUM8-10HIDRO	A+++	42	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM4-10D190	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
AURUM8VA	AURUM4-10D240	A+++	40	59	8.1	205.6	3218	7.0	170.0	3976	8.1	276.6	1551
	AURUM8-10HIDRO	A+++	42	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D190	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
	AURUM4-10D240	A+++	40	60	9.2	204.8	3644	7.7	169.8	4423	8.6	280.5	1617
AURUM12VA	AURUM12-16HIDRO	A+++	43	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
	AURUM12-16D240	A+++	42	64	12.0	189.4	5152	11.4	160.2	6870	11.1	256.1	2292
AURUM12YA	AURUM12-16HIDRO	A+++	43	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
	AURUM12-16D240	A+++	42	64	12.0	189.3	5153	11.4	160.2	6871	11.1	255.6	2296
AURUM14VA	AURUM12-16HIDRO	A+++	43	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
	AURUM12-16D240	A+++	44	65	13.7	185.7	6012	12.6	159.6	7667	12.1	260.3	2457
AURUM14YA	AURUM12-16HIDRO	A+++	43	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
	AURUM12-16D240	A+++	44	65	13.7	185.6	6013	12.6	159.6	7667	12.1	259.8	2462
AURUM16VA	AURUM12-16HIDRO	A+++	43	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
	AURUM12-16D240	A+++	44	68	15.2	181.7	6804	13.7	157.8	8431	13.1	248.5	2781
AURUM16YA	AURUM12-16HIDRO	A+++	43	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786
	AURUM12-16D240	A+++	44	68	15.2	181.6	6805	13.7	157.8	8431	13.1	248.1	2786

Product fiche 1

Heat pump space heating												
Indoor unit sound power (*)		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
Outdoor unit sound power (*)	Average climate low temperature application	Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240					
	Average climate medium temperature application	dB	38 ^{a)} /38 ^{b)}	38 ^{a)} /38 ^{b)}	42 ^{a)} /40 ^{b)}	42 ^{a)} /40 ^{b)}	43 ^{a)} /42 ^{b)}					
Capacity of the back-up heater integrated in the unit	Psup back-up heater (optional)	dB	56	58	59	60	64					
	Space heating	dB	56	58	59	60	64					
Space heating	Energy efficiency class 35°C (Low temp. app.)	[kW]	3/6/9	3/6/9	3/6/9	3/6/9	3/6/9					
	Energy efficiency class 55°C (Medium temp. app.)	-	A+++	A+++	A+++	A+++	A+++					
Average climate (Design temperature = -10°C)		-	A++	A++	A++	A++	A++					
Space heating 35°C	Prated (declared heating capacity) @ -10°C	[kW]	5.5	6.8	8.1	9.2	12.0					
	Seasonal space heating efficiency (ns)	[%]	191.0	195.0	205.6	204.8	189.4					
	Annual energy consumption	[kWh]	2,351	2,845	3,218	3,644	5,152					
Space heating 55°C	Prated (declared heating capacity) @ -10°C	[kW]	4.4	5.7	6.6	7.7	11.6					
	Seasonal space heating efficiency (ns)	[%]	129.5	137.9	131.5	136.6	135.1					
	Annual energy consumption	[kWh]	2,744	3,345	4,056	4,539	6,927					
Part load conditions space heating average climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	4.88	6.03	7.18	8.10	10.61					
	COPd (declared COP)	-	3.19	3.09	3.35	3.23	2.88					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	3.05	3.88	4.65	5.18	6.69					
	COPd (declared COP)	-	4.78	4.85	5.09	5.01	4.65					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	1.93	2.39	2.90	3.32	4.44					
	COPd (declared COP)	-	6.13	6.63	6.82	7.08	6.62					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.48	1.39	1.63	1.65	3.74					
	COPd (declared COP)	-	8.05	7.93	8.35	8.58	8.47					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-10.00	-10.00	-10.00	-10.00	-10.00					
	Pdh (declared heating capacity)	[kW]	4.41	5.36	6.44	7.40	10.74					
	COPd (declared COP)	-	2.86	2.76	3.04	2.96	2.77					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					

Note :

a) represents the hydraulic module series ;

b) represents the m-thermal tank series ;

Product fiche 1

Heat pump space heating													
Indoor unit sound power (*)		Outdoor		AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA					
		Indoor		AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240					
Average climate low temperature application		dB		43 ^{a)} /44 ^{b)}	43 ^{a)} /44 ^{b)}	43 ^{a)} /42 ^{b)}	43 ^{a)} /44 ^{b)}	43 ^{a)} /44 ^{b)}					
Average climate medium temperature application		dB		65	68	64	65	68					
Average climate high temperature application		dB		65	68	64	65	68					
Capacity of the back-up heater integrated in the unit		[kW]		3/6/9	3/6/9	3/6/9	3/6/9	3/6/9					
Space heating		-		A+++	A+++	A+++	A+++	A+++					
Space heating		-		A++	A++	A++	A++	A++					
Average climate (Design temperature = -10°C)													
Space heating 35°C	Prated (declared heating capacity) @ -10°C		[kW]	13.7	15.2	12.0	13.7	15.2					
	Seasonal space heating efficiency (ηs)		[%]	185.7	181.7	189.3	185.6	181.6					
	Annual energy consumption		[kWh]	6,012	6,804	5,153	6,013	6,805					
Space heating 55°C	Prated (declared heating capacity) @ -10°C		[kW]	12.1	13.0	11.6	12.1	13.0					
	Seasonal space heating efficiency (ηs)		[%]	135.6	133.3	135.1	135.6	133.2					
	Annual energy consumption		[kWh]	7,202	7,895	6,928	7,203	7,896					
Part load conditions space heating average climate low temperature application													
(A) condition (-7°C)	PdH (declared heating capacity)		[kW]	12.14	13.45	10.61	12.14	13.45					
	COPd (declared COP)		-	2.79	2.72	2.88	2.79	2.72					
	Cdh(degradation coefficient)		-	0.90	0.90	0.90	0.90	0.90					
(B) condition (2°C)	PdH (declared heating capacity)		[kW]	7.94	8.56	6.69	7.94	8.56					
	COPd (declared COP)		-	4.52	4.41	4.65	4.52	4.41					
	Cdh(degradation coefficient)		-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	PdH (declared heating capacity)		[kW]	5.20	5.70	4.44	5.20	5.70					
	COPd (declared COP)		-	6.68	6.56	6.62	6.68	6.56					
	Cdh(degradation coefficient)		-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	PdH (declared heating capacity)		[kW]	3.75	3.78	3.74	3.75	3.78					
	COPd (declared COP)		-	8.52	8.51	8.47	8.52	8.51					
	Cdh(degradation coefficient)		-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)		[°C]	-10.00	-10.00	-10.00	-10.00	-10.00					
	PdH (declared heating capacity)		[kW]	11.47	12.52	10.74	11.47	12.52					
	COPd (declared COP)		-	2.59	2.48	2.77	2.59	2.48					
	WTOL (Heating water Operation Limit)		[°C]	65	65	65	65	65					

Note :
a) represents the hydraulic module series ;
b) represents the m-thermal tank series ;

Product fiche 2

Heat pump space heating									
	Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA			
	Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240			
(F) Tbivalent temperature	Tbiv	-7.00	-7.00	-7.00	-7.00	-7.00			
	Pdh (declared heating capacity)	4.88	6.03	7.18	8.10	10.61			
	COPd (declared COP)	-	3.19	3.09	3.35	2.88			
Supplementary capacity at P_design	Psup (@Tdesignh: -10°C)	1.11	1.45	1.68	1.76	1.26			
Part load conditions space heating average climate medium temperature application									
(A) condition (-7°C)	Pdh (declared heating capacity)	3.89	5.04	5.84	6.78	10.24			
	COPd (declared COP)	-	2.17	2.16	2.24	2.01			
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90			
(B) condition (2°C)	Pdh (declared heating capacity)	2.38	3.12	3.75	4.28	6.52			
	COPd (declared COP)	-	3.30	3.30	3.42	3.44			
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90			
(C) condition (7°C)	Pdh (declared heating capacity)	2.94	2.08	2.42	2.77	4.36			
	COPd (declared COP)	-	4.41	4.34	4.52	4.59			
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90			
(D) condition (12°C)	Pdh (declared heating capacity)	1.32	1.28	1.39	1.58	3.29			
	COPd (declared COP)	-	5.66	5.33	5.68	6.05			
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90			
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	-10.00	-10.00	-10.00	-10.00	-10.00			
	Pdh (declared heating capacity)	3.42	4.52	4.90	5.38	9.10			
	COPd (declared COP)	1.91	1.91	1.84	1.83	1.79			
(F) Tbivalent temperature	WTOL (Heating water Operation Limit)	65	65	65	65	65			
	Tbiv	-7.00	-7.00	-7.00	-7.00	-7.00			
	Pdh (declared heating capacity)	3.89	5.04	5.84	6.78	10.24			
Supplementary capacity at P_design	COPd (declared COP)	-	2.17	2.16	2.24	2.01			
Supplementary capacity at P_design	Psup (@Tdesignh: -10°C)	0.98	1.18	1.69	2.28	2.50			
Colder climate (Design temperature = -22°C)									
Space heating 35°C	Prated (declared heating capacity) @ -22°C	4.6	5.6	7.0	7.7	11.4			
	Seasonal space heating efficiency (ns)	159.5	165.3	170.0	169.8	160.2			
	Annual energy consumption	2,769	3,300	3,976	4,423	6,870			

Product fiche 2

Heat pump space heating												
Outdoor							AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA	
Indoor							AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	
(F) Tbivalent temperature	Tbiv						-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (declared heating capacity)						12.14	13.45	10.61	12.14	13.45	
	COPd (declared COP)						-	2.79	2.72	2.88	2.79	2.72
	Psup (@Tdesignh: -10°C)						2.23	2.68	1.26	2.23	2.68	
Supplementary capacity at P_design												
Part load conditions space heating average climate medium temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)						10.68	11.52	10.24	10.68	11.52	
	COPd (declared COP)						-	2.01	2.01	2.01	1.99	
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	
	Pdh (declared heating capacity)						[kW]	6.86	7.18	6.52	6.86	7.18
(B) condition (2°C)	COPd (declared COP)						-	3.43	3.34	3.44	3.43	3.34
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)						[kW]	4.63	4.67	4.36	4.63	4.67
	COPd (declared COP)						-	4.66	4.61	4.59	4.66	4.61
(C) condition (7°C)	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
	Pdh (declared heating capacity)						[kW]	3.31	3.31	3.29	3.31	3.31
	COPd (declared COP)						-	6.13	6.07	6.05	6.13	6.07
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(E) Tol (temperature operating limit)	Tol (temperature operating limit)						[°C]	-10.00	-10.00	-10.00	-10.00	-10.00
	Pdh (declared heating capacity)						[kW]	9.19	10.33	9.10	9.19	10.33
	COPd (declared COP)						-	1.76	1.80	1.79	1.76	1.80
	WTOL (Heating water Operation Limit)						[°C]	65	65	65	65	65
(F) Tbivalent temperature	Tbiv						-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
	Pdh (declared heating capacity)						[kW]	10.68	11.52	10.24	10.68	11.52
	COPd (declared COP)						-	2.01	1.99	2.01	2.01	1.99
	Psup (@Tdesignh: -10°C)						[kW]	2.91	2.67	2.50	2.91	2.67
Supplementary capacity at P_design												
Colder climate (Design temperature = -22°C)												
Space heating 35°C	Prated (declared heating capacity) @ -22°C						[kW]	12.6	13.7	11.4	12.6	13.7
	Seasonal space heating efficiency (ηs)						[%]	159.6	157.8	160.2	159.6	157.8
	Annual energy consumption						[kWh]	7,667	8,431	6,871	7,667	8,431

Product fiche 3

Heat pump space heating												
							Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
							Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Space heating 55°C	Prated (declared heating capacity) @ -22°C						[kW]	3.4	4.3	5.8	6.7	10.3
	Seasonal space heating efficiency (ηs)						[%]	102.1	111.1	112.0	116.4	117.8
	Annual energy consumption						[kWh]	3,159	3,681	4,950	5,540	8,419
Part load conditions space heating colder climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)						[kW]	2.75	3.42	4.46	4.83	7.05
	COPd (declared COP)						-	3.49	3.59	3.66	3.60	3.48
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(B) condition (2°C)	Pdh (declared heating capacity)						[kW]	1.77	2.06	2.69	2.94	4.67
	COPd (declared COP)						-	4.95	5.21	5.20	5.26	4.96
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(C) condition (7°C)	Pdh (declared heating capacity)						[kW]	1.17	1.46	1.65	1.92	3.14
	COPd (declared COP)						-	5.53	6.24	6.53	7.08	6.10
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(D) condition (12°C)	Pdh (declared heating capacity)						[kW]	1.43	1.44	1.65	1.65	3.57
	COPd (declared COP)						-	7.67	7.66	7.96	7.96	7.87
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90
(E) Tol (temperature operating limit)	Tol (temperature operating limit)						[°C]	-22.00	-22.00	-22.00	-22.00	-22.00
	Pdh (declared heating capacity)						[kW]	2.80	3.48	4.06	4.62	7.01
	COPd (declared COP)						-	1.97	1.96	1.95	1.97	1.98
	WTOL (Heating water Operation Limit)						[°C]	65	65	65	65	65
(F) TbiValent temperature	TbiV						[°C]	-15.00	-15.00	-15.00	-15.00	-15.00
	Pdh (declared heating capacity)						[kW]	3.72	4.59	5.69	6.32	9.28
	COPd (declared COP)						-	2.57	2.53	2.83	2.64	2.59
	Psup (@Tdesignh: -22°C)						[kW]	1.76	2.15	2.91	3.08	4.40
Supplementary capacity at P_design												
Part load conditions space heating colder climate medium temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)						[kW]	2.13	2.70	3.86	4.27	6.63
	COPd (declared COP)						-	2.32	2.46	2.48	2.54	2.63
	Cdh(degradation coefficient)						-	0.90	0.90	0.90	0.90	0.90

Product fiche 3

Heat pump space heating												
		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA					
		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240					
Space heating 55°C	Prated (declared heating capacity) @ -22°C	[kW]	11.0	11.8	10.3	11.0	11.8					
	Seasonal space heating efficiency (ηs)	[%]	118.9	121.8	117.7	118.9	121.8					
	Annual energy consumption	[kWh]	8,866	9,309	8,420	8,867	9,310					
Part load conditions space heating colder climate low temperature application												
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	7.96	8.31	7.05	7.96	8.31					
	COPd (declared COP)	-	3.44	3.37	3.48	3.44	3.37					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	5.05	5.26	4.67	5.05	5.26					
	COPd (declared COP)	-	4.92	4.86	4.96	4.92	4.86					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.15	3.62	3.14	3.15	3.62					
	COPd (declared COP)	-	6.11	6.49	6.10	6.11	6.49					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3.57	3.34	3.57	3.57	3.34					
	COPd (declared COP)	-	7.82	7.40	7.87	7.82	7.40					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00					
	Pdh (declared heating capacity)	[kW]	7.57	8.88	7.01	7.57	8.88					
	COPd (declared COP)	-	1.92	1.97	1.98	1.92	1.97					
(F) Tbiivalent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00					
	Pdh (declared heating capacity)	[kW]	10.31	11.22	9.28	10.31	11.22					
Supplementary capacity at P_ design	COPd (declared COP)	-	2.53	2.43	2.59	2.53	2.43					
	Psup (@Tdesign: -22°C)	[kW]	5.03	4.82	4.40	5.03	4.82					
	Part load conditions space heating colder climate medium temperature application											
(A) condition (-7°C)	Pdh (declared heating capacity)	[kW]	6.89	7.64	6.63	6.89	7.64					
	COPd (declared COP)	-	2.66	2.65	2.63	2.66	2.65					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					

Product fiche 4

Heat pump space heating												
		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
(B) condition (2°C)		Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240					
	Pdh (declared heating capacity)	[kW]	1.28	1.60	2.21	2.57	4.06					
	COPd (declared COP)	-	2.99	3.36	3.35	3.51	3.60					
(C) condition (7°C)												
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Pdh (declared heating capacity)	[kW]	1.01	1.02	1.44	1.65	2.78					
(D) condition (12°C)												
	COPd (declared COP)	-	3.86	3.94	4.11	4.37	4.54					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)												
	Pdh (declared heating capacity)	[kW]	1.36	1.37	1.46	1.47	3.33					
	COPd (declared COP)	-	6.28	6.35	5.92	5.96	6.25					
(F) Tbiivalent temperature												
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
Supplementary capacity at P_design												
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00					
	Pdh (declared heating capacity)	[kW]	2.74	3.47	4.71	5.47	8.41					
Warmer climate (Design temperature = 2°C)												
	COPd (declared COP)	-	1.74	1.86	1.90	2.00	1.84					
	Psup (@Tdesign: -22°C)	[kW]	1.72	2.17	2.97	3.91	6.12					
Space heating 35°C												
	Prated (declared heating capacity) @ 2°C	[kW]	5.5	6.1	8.1	8.6	11.1					
	Seasonal space heating efficiency (ηs)	[%]	255.4	259.8	276.6	280.5	256.1					
	Annual energy consumption	[kWh]	1,146	1,244	1,551	1,617	2,292					
	Prated (declared heating capacity) @ 2°C	[kW]	5.0	5.1	8.37	8.6	12.5					
	Seasonal space heating efficiency (ηs)	[%]	162.4	164.7	176.9	180.3	174.0					
Space heating 55°C												
	Annual energy consumption	[kWh]	1,621	1,640	2,485	2,516	3,776					
	Part load conditions space heating warmer climate low temperature application											
	Pdh (declared heating capacity)	[kW]	5.34	5.93	7.56	8.44	11.10					
	COPd (declared COP)	-	3.94	3.91	3.98	3.84	3.59					
(B) condition (2°C)												
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
	Pdh (declared heating capacity)	[kW]	3.56	3.93	5.22	5.52	7.14					
	COPd (declared COP)	-	5.92	5.89	6.26	6.18	5.87					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					

Product fiche 4

Heat pump space heating									
		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA		
		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240		
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.32	4.42	4.06	4.32	4.42		
	COPd (declared COP)	-	3.66	3.79	3.60	3.66	3.79		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.06	2.97	2.78	3.06	2.97		
	COPd (declared COP)	-	4.72	4.81	4.54	4.72	4.81		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3.33	3.43	3.33	3.33	3.43		
	COPd (declared COP)	-	6.25	6.29	6.25	6.25	6.29		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	-22.00	-22.00	-22.00	-22.00	-22.00		
	Pdh (declared heating capacity)	[kW]	4.20	5.21	4.19	4.20	5.21		
	COPd (declared COP)	-	1.13	1.23	1.13	1.13	1.23		
(F) TbiValent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65		
	Tbiv	[°C]	-15.00	-15.00	-15.00	-15.00	-15.00		
	Pdh (declared heating capacity)	[kW]	8.94	9.61	8.41	8.94	9.61		
Supplementary capacity at P_design	COPd (declared COP)	-	1.79	1.86	1.84	1.79	1.86		
	Psup (@Tdesignh: -22°C)	[kW]	6.76	6.59	6.12	6.76	6.59		
	Warmer climate (Design temperature = 2°C)								
Space heating 35°C	Prated (declared heating capacity) @ 2°C	[kW]	12.1	13.1	11.1	12.1	13.1		
	Seasonal space heating efficiency (ns)	[%]	260.3	248.5	255.6	259.8	248.1		
	Annual energy consumption	[kWh]	2,457	2,781	2,296	2,462	2,786		
Space heating 55°C	Prated (declared heating capacity) @ 2°C	[kW]	14.17	14.17	12.5	14.17	14.17		
	Seasonal space heating efficiency (ns)	[%]	174.9	176.0	173.8	174.7	175.8		
	Annual energy consumption	[kWh]	4,258	4,231	3,780	4,231	4,236		
Part load conditions space heating warmer climate low temperature application									
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	12.04	13.10	11.10	12.04	13.10		
	COPd (declared COP)	-	3.44	3.35	3.59	3.44	3.35		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	7.78	8.41	7.14	7.78	8.41		
	COPd (declared COP)	-	5.84	5.36	5.87	5.84	5.36		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		

Product fiche 5

Heat pump space heating												
		Outdoor	AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA					
		Indoor	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.63	1.79	2.62	2.62	3.55					
	COPd (declared COP)	-	7.91	8.20	9.23	9.04	7.94					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
	Pdh (declared heating capacity)	[kW]	5.34	5.93	7.56	8.44	11.10					
	COPd (declared COP)	-	3.94	3.91	3.98	3.84	3.59					
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
(F) Tbivalent temperature	Pdh (declared heating capacity)	[kW]	3.56	3.93	5.22	5.52	7.14					
	COPd (declared COP)	-	5.92	5.89	6.26	6.18	5.87					
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.18	0.55	0.14	0.00					
Part load conditions space heating warmer climate medium temperature application												
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	4.83	5.02	7.55	8.06	12.07					
	COPd (declared COP)	-	2.51	2.48	2.59	2.59	2.31					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	3.22	3.31	5.38	5.54	8.04					
	COPd (declared COP)	-	3.68	3.67	4.01	4.10	3.86					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	1.47	1.59	2.31	2.53	3.75					
	COPd (declared COP)	-	5.15	5.29	5.55	5.82	5.70					
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90					
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00					
	Pdh (declared heating capacity)	[kW]	4.83	5.02	7.55	8.06	12.07					
	COPd (declared COP)	-	2.51	2.48	2.59	2.59	2.31					
(F) Tbivalent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65					
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00					
	Pdh (declared heating capacity)	[kW]	3.22	3.31	5.38	5.54	8.04					
Supplementary capacity at P_design	COPd (declared COP)	-	3.68	3.67	4.01	4.10	3.86					
	Psup (@Tdesignh: 2°C)	[kW]	0.18	0.12	0.82	0.48	0.43					

Product fiche 5

Heat pump space heating									
	Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA			
		AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240			
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	3.75	3.87	3.55	3.75	3.87		
	COPd (declared COP)	-	8.25	8.11	7.94	8.25	8.11		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00		
	Pdh (declared heating capacity)	[kW]	12.04	13.10	11.10	12.04	13.10		
	COPd (declared COP)	-	3.44	3.35	3.59	3.44	3.35		
	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65		
(F) Tivalent temperature	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00		
	Pdh (declared heating capacity)	[kW]	7.78	8.41	7.14	7.78	8.41		
	COPd (declared COP)	-	5.84	5.36	5.87	5.84	5.36		
Supplementary capacity at P_design	Psp (@Tdesignh: 2°C)	[kW]	0.00	0.00	0.00	0.00	0.00		
Part load conditions space heating warmer climate medium temperature application									
(B) condition (2°C)	Pdh (declared heating capacity)	[kW]	13.04	13.38	12.07	13.04	13.38		
	COPd (declared COP)	-	2.20	2.29	2.31	2.20	2.29		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(C) condition (7°C)	Pdh (declared heating capacity)	[kW]	9.11	9.11	8.04	9.11	9.11		
	COPd (declared COP)	-	3.89	3.89	3.86	3.89	3.89		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(D) condition (12°C)	Pdh (declared heating capacity)	[kW]	4.08	4.06	3.75	4.08	4.06		
	COPd (declared COP)	-	5.90	5.86	5.70	5.90	5.86		
	Cdh(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90		
(E) Tol (temperature operating limit)	Tol (temperature operating limit)	[°C]	2.00	2.00	2.00	2.00	2.00		
	Pdh (declared heating capacity)	[kW]	13.04	13.38	12.07	13.04	13.38		
	COPd (declared COP)	-	2.20	2.29	2.31	2.20	2.29		
(F) Tivalent temperature	WTOL (Heating water Operation Limit)	[°C]	65	65	65	65	65		
	Tbiv	[°C]	7.00	7.00	7.00	7.00	7.00		
	Pdh (declared heating capacity)	[kW]	9.11	9.11	8.04	9.11	9.11		
Supplementary capacity at P_design	Psp (@Tdesignh: 2°C)	-	3.89	3.89	3.86	3.89	3.89		
		[kW]	1.13	0.79	0.43	1.13	0.79		

Product fiche 6

Heat pump space heating							
Product description	Outdoor		AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
	Indoor		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
	Air-to-water heat pump		Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump		No	No	No	No	No
	Brine-to-water heat pump		No	No	No	No	No
	Low-temperature heat pump		No	No	No	No	No
	Equipped with a supplementary heater		Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater		Yes	Yes	Yes	Yes	Yes
	Rated airflow (outdoor)		2770	2770	4030	4030	4060
	Air to water unit		[m³/h]				
Other	Brine/water to water unit		-	/	/	/	/
	Capacity control		Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)		0.014	0.014	0.014	0.014	0.014
	Pto (Power consumption Thermostat off mode)		0.024	0.024	0.024	0.024	0.024
	Psb (Power consumption Standby mode)		0.014	0.014	0.014	0.014	0.014
	Psk (Power crankcase heater mode)		0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)		/	/	/	/	/
	Qfuel (Daily fuel consumption)		/	/	/	/	/

Note:
Indoor unit type explanation:
Hydraulic module series
1) AURUM4-6HIDRO includes the following type:
AURUM4-6HIDRO without back-up heater.
AURUM4-6HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
2) AURUM8-10HIDRO includes the following type:
AURUM8-10HIDRO without back-up heater.
AURUM8-10HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
AURUM8-10HIDRO + 9kW: with 9kW back-up heater and 3-Phase Source.
3) AURUM12-16HIDRO includes the following type:
AURUM12-16HIDRO without back-up heater.
AURUM12-16HIDRO + 3kW: with 3kW back-up heater and 1-Phase Source.
AURUM12-16HIDRO + 9kW: with 9kW back-up heater and 3-Phase Source.
M-thermal tank seires
1) AURUM4-10D190 includes the following type:
AURUM4-10D190 + 3kW: 190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW: 190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW: 190L tank with 9kW back-up heater and 3-Phase Source.
2) AURUM4-10D240 includes the following type:
AURUM4-10D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.
3) AURUM12-16D240 includes the following type:
AURUM12-16D240 + 3kW: 240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW: 240L tank with 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW: 240L tank with 9kW back-up heater and 3-Phase Source.
Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.
*Sound power measured according to the EN12102 under conditions of the EN14825.
Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche 6

Heat pump space heating							AURUM12YA	AURUM14YA	AURUM16YA
Product description	Outdoor						AURUM12YA	AURUM14YA	AURUM16YA
	Indoor						AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
	Air-to-water heat pump	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Water-to-water heat pump	Y/N	No	No	No	No	No	No	No
	Brine-to-water heat pump	Y/N	No	No	No	No	No	No	No
	Low-temperature heat pump	Y/N	No	No	No	No	No	No	No
Air to water unit	Equipped with a supplementary heater	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Heat pump combination heater	Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Rated airflow (outdoor)	[m ³ /h]	4060	4060	4650	4060	4060	4060	4650
	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/	/	/
	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.020	0.020	0.020	0.020
Other	Pto (Power consumption Thermostat off mode)	[kW]	0.024	0.024	0.024	0.030	0.030	0.030	0.030
	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.014	0.020	0.020	0.020	0.020
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/	/	/
	Qtuel (Daily fuel consumption)	[kWh]	/	/	/	/	/	/	/

Note :

Indoor unit type explanation:

Hydraulic module series

1)AURUM4-6HIDRO includes the following type :
AURUM4-6HIDRO without back-up heater.
AURUM4-6HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.

2)AURUM8-10HIDRO includes the following type :
AURUM8-10HIDRO without back-up heater.
AURUM8-10HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.
AURUM8-10HIDRO + 9kWwith 9kW back-up heater and 3-Phase Source.

3)AURUM12-16HIDRO includes the following type :
AURUM12-16HIDRO without back-up heater.
AURUM12-16HIDRO + 3kWwith 3kW back-up heater and 1-Phase Source.
AURUM12-16HIDRO + 9kWwith 9kW back-up heater and 3-Phase Source.

M-thermal tank series

1)AURUM4-10D190 includes the following type :
AURUM4-10D190 + 3kW190L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 6kW190L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D190 + 9kW190L tank with 9kW back-up heater and 3-Phase Source.

2)AURUM4-10D240 includes the following type :
AURUM4-10D240 + 3kW240L tank with 3kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 6kW240L tank with 6kW back-up heater and 1-Phase Source.
AURUM4-10D240 + 9kW240L tank with 9kW back-up heater and 3-Phase Source.

3)AURUM12-16D240 includes the following type :
AURUM12-16D240 + 3kW240L tank with 3kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 6kW back-up heater and 1-Phase Source.
AURUM12-16D240 + 9kW240L tank with 9kW back-up heater and 3-Phase Source.

Product fiche data according to energy label directive 2010/30/EC regulation (EU) 811/2013.

*Sound power measured according to the EN12102 under conditions of the EN14825.

Details and precautions on installation, maintenance and assembly can be found in the installation and or operation manuals.

Product fiche 7

Heat pump space cooling							
Indoor unit sound power (*)	Outdoor		AURUM4VA	AURUM6VA	AURUM8VA	AURUM10VA	AURUM12VA
	Indoor		AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12-16HIDRO AURUM12-16D240
Outdoor unit sound power (*)	Average climate low temperature application	dB	38	40	42	42	43
	Average climate medium temperature application	dB	56	58	60	61	65
		dB	55	58	60	60	64
Space cooling 7°C	Prated (declared cooling capacity) @ 35°C	[kW]	4.7	7.0	7.4	8.2	11.6
	Seasonal space cooling efficiency (ηs)	[%]	196.2	209.5	230.1	235.3	194.2
	Annual energy consumption	[kWh]	566	791	762	826	1,412
Space cooling 18°C	Prated (declared cooling capacity) @ 35°C	[kW]	4.5	6.55	8.4	10.0	12.0
	Seasonal space cooling efficiency (ηs)	[%]	307.7	326.8	354.9	348.8	282.4
	Annual energy consumption	[kWh]	348	477	563	682	1,009
Part load conditions space cooling : low temperature application@7°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4.70	7.00	7.40	8.20	11.60
	EERd (declared EER)	-	3.45	3.00	3.38	3.30	2.75
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3.66	5.13	5.72	6.68	8.76
	EERd (declared EER)	-	4.76	4.00	4.71	4.47	3.93
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2.21	3.48	3.62	4.26	5.81
	EERd (declared EER)	-	5.72	6.45	6.65	7.02	5.73
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	0.94	1.53	1.64	1.94	2.63
	EERd (declared EER)	-	5.72	7.73	8.55	9.54	6.75
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90

(*)Sound power measured according to the EN12102 under conditions of the EN14825.

Product fiche 7

Heat pump space cooling									
Indoor unit sound power (*)		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA		
Outdoor unit sound power (*)	Average climate low temperature application	Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240		
	Average climate medium temperature application								
	Prated (declared cooling capacity) @ 35°C								
Space cooling 7°C	Seasonal space cooling efficiency (ns)								
	Annual energy consumption								
	Prated (declared cooling capacity) @ 35°C								
Space cooling 18°C	Seasonal space cooling efficiency (ns)								
	Annual energy consumption								
	Part load conditions space cooling: low temperature application@7°C								
(A) condition (35°C)	Pdc (declared cooling capacity)								
	EERd (declared EER)								
	Cdc(degradation coefficient)								
(B) condition (30°C)	Pdc (declared cooling capacity)								
	EERd (declared EER)								
	Cdc(degradation coefficient)								
(C) condition (25°C)	Pdc (declared cooling capacity)								
	EERd (declared EER)								
	Cdc(degradation coefficient)								
(D) condition (20°C)	Pdc (declared cooling capacity)								
	EERd (declared EER)								
	Cdc(degradation coefficient)								

(*) Sound power measured according to the EN12102 under conditions of the EN14825.

Product fiche 8

Heat pump space cooling		Outdoor	AURUM4VA AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM6VA AURUM4-6HIDRO AURUM4-10D190 AURUM4-10D240	AURUM8VA AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM10VA AURUM8-10HIDRO AURUM4-10D190 AURUM4-10D240	AURUM12VA AURUM12-16HIDRO AURUM12-16D240
Part load conditions space cooling: medium temperature application@18°C							
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	4.50	6.55	8.40	10.00	12.00
	EERd (declared EER)	-	5.55	4.90	5.05	4.80	4.00
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	3.44	4.84	6.47	7.71	9.21
	EERd (declared EER)	-	7.23	7.16	7.02	6.45	5.50
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	2.19	3.26	4.31	5.03	5.74
	EERd (declared EER)	-	8.94	9.64	10.67	10.36	8.66
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	1.13	1.41	1.80	2.32	3.33
	EERd (declared EER)	-	10.48	11.48	13.61	14.98	10.07
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
Air to water unit	Rated airflow (outdoor)	[m³/h]	2770	2770	4030	4030	4060
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pto (Power consumption Thermostat off mode)	[kW]	0.010	0.010	0.010	0.010	0.010
	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.014	0.014	0.014
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Product fiche 8

Heat pump space cooling		Outdoor	AURUM14VA	AURUM16VA	AURUM12YA	AURUM14YA	AURUM16YA
Part load conditions space cooling: medium temperature application@18°C		Indoor	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240	AURUM12-16HIDRO AURUM12-16D240
(A) condition (35°C)	Pdc (declared cooling capacity)	[kW]	13.50	14.20	12.00	13.50	14.20
	EERd (declared EER)	-	3.61	3.61	4.00	3.61	3.61
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(B) condition (30°C)	Pdc (declared cooling capacity)	[kW]	10.20	11.42	9.21	10.20	11.42
	EERd (declared EER)	-	5.26	5.14	5.50	5.26	5.14
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(C) condition (25°C)	Pdc (declared cooling capacity)	[kW]	6.57	7.27	5.74	6.57	7.27
	EERd (declared EER)	-	8.45	7.83	8.66	8.45	7.83
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
(D) condition (20°C)	Pdc (declared cooling capacity)	[kW]	3.33	3.40	3.33	3.33	3.40
	EERd (declared EER)	-	10.07	10.35	10.07	10.07	10.35
	Cdc(degradation coefficient)	-	0.90	0.90	0.90	0.90	0.90
Air to water unit	Rated airflow (outdoor)	[m ³ /h]	4060	4650	4060	4060	4650
Brine/water to water unit	Rated water/brine flow (outdoor H/E)	-	/	/	/	/	/
Other	Capacity control	-	Inverter	Inverter	Inverter	Inverter	Inverter
	Poff (Power consumption Off mode)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pto (Power consumption Thermostat off mode)	[kW]	0.010	0.010	0.010	0.010	0.010
	Psb (Power consumption Standby mode)	[kW]	0.014	0.014	0.020	0.020	0.020
	Pck (Power crankcase heater mode)	[kW]	0.000	0.000	0.000	0.000	0.000
	Qelec (Daily electricity consumption)	[kWh]	/	/	/	/	/
	Qfuel (Daily fuel consumption)	[kWh]	/	/	/	/	/

Outdoor unit	Indoor unit	Ambient Temperature : 35/24 Water temperature : 23/18			Ambient Temperature : 35/24 Water temperature : 12/7			Ambient Temperature : 7/6 Water temperature : 30/35			Ambient Temperature : 2/1 Water temperature : 30/35		
		Capacity kW	Power input kW	EER	Capacity kW	Power input kW	EER	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D190	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
	AURUM4-10D240	4.50	0.81	5.55	4.70	1.36	3.45	4.25	0.82	5.20	4.45	1.10	4.05
AURUM6VA	AURUM4-6HIDRO	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D190	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
	AURUM4-10D240	6.55	1.34	4.90	7.00	2.33	3.00	6.20	1.24	5.00	5.50	1.39	3.95
AURUM8VA	AURUM8-10HIDRO	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D190	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
	AURUM4-10D240	8.40	1.66	5.05	7.40	2.19	3.38	8.30	1.60	5.20	7.10	1.73	4.10
AURUM10VA	AURUM8-10HIDRO	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D190	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
	AURUM4-10D240	10.00	2.08	4.80	8.20	2.48	3.30	10.00	2.00	5.00	8.20	2.02	4.05
AURUM12VA	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16D240	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
	AURUM12-16HIDRO	12.00	3.00	4.00	11.60	4.22	2.75	12.10	2.44	4.95	9.30	2.35	3.95
AURUM14VA	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16D240	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
	AURUM12-16HIDRO	13.50	3.74	3.61	12.70	4.98	2.55	14.50	3.09	4.70	11.40	3.12	3.65
AURUM16VA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
AURUM16YA	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16D240	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50
	AURUM12-16HIDRO	14.20	3.94	3.61	14.00	5.71	2.45	16.00	3.56	4.50	13.00	3.71	3.50

Outdoor unit	Indoor unit	Ambient Temperature : -7/-8 Water temperature : 30/35			Ambient Temperature : 7/6 Water temperature : 40/45			Ambient Temperature : 2/1 Water temperature : 40/45			Ambient Temperature : -7/-8 Water temperature : 40/45		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D190	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
	AURUM4-10D240	4.80	1.52	3.15	4.35	1.14	3.80	5.10	1.70	3.00	4.30	1.83	2.35
AURUM6VA	AURUM4-6HIDRO	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D190	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
	AURUM4-10D240	6.10	2.00	3.05	6.35	1.69	3.75	5.80	1.93	3.00	5.40	2.25	2.40
AURUM8VA	AURUM8-10HIDRO	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D190	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
	AURUM4-10D240	7.10	2.18	3.25	8.20	2.08	3.95	7.40	2.28	3.25	6.60	2.59	2.55
AURUM10VA	AURUM8-10HIDRO	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D190	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
	AURUM4-10D240	8.25	2.62	3.15	10.00	2.63	3.80	7.85	2.45	3.20	7.35	2.88	2.55
AURUM12VA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM12YA	AURUM12-16HIDRO	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
	AURUM12-16D240	10.00	3.33	3.00	12.30	3.24	3.80	10.70	3.57	3.00	10.20	4.25	2.40
AURUM14VA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM14YA	AURUM12-16HIDRO	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
	AURUM12-16D240	12.00	4.29	2.80	14.20	3.89	3.65	11.70	4.09	2.86	11.80	5.02	2.35
AURUM16VA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
AURUM16YA	AURUM12-16HIDRO	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23
	AURUM12-16D240	13.30	4.93	2.70	16.00	4.44	3.60	12.80	4.49	2.85	12.90	5.78	2.23

Outdoor unit	Indoor unit	Ambient Temperature : 7/6 Water temperature : 47/55			Ambient Temperature : 2/1 Water temperature : 47/55			Ambient Temperature : -7/-8 Water temperature : 47/55		
		Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP	Capacity kW	Power input kW	COP
AURUM4VA	AURUM4-6HIDRO	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D190	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
	AURUM4-10D240	4.40	1.49	2.95	5.10	2.08	2.45	4.00	2.05	1.95
AURUM6VA	AURUM4-6HIDRO	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D190	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
	AURUM4-10D240	6.00	2.00	3.00	5.65	2.31	2.45	5.15	2.58	2.00
AURUM8VA	AURUM8-10HIDRO	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D190	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
	AURUM4-10D240	7.50	2.36	3.18	7.10	2.73	2.60	6.15	3.00	2.05
AURUM10VA	AURUM8-10HIDRO	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D190	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
	AURUM4-10D240	9.50	3.06	3.10	8.10	3.16	2.56	6.85	3.43	2.00
AURUM12VA	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM12YA	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16HIDRO	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
	AURUM12-16D240	12.00	3.87	3.10	11.40	4.47	2.55	10.00	4.88	2.05
AURUM14VA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM14YA	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16D240	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
	AURUM12-16HIDRO	13.80	4.60	3.00	12.40	5.06	2.45	11.00	5.37	2.05
AURUM16VA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
AURUM16YA	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16D240	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02
	AURUM12-16HIDRO	16.00	5.52	2.90	13.40	5.58	2.40	12.50	6.19	2.02

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.1%
2	Overall efficiency (η_e) =	33.1%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =43.9
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.190kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.368m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measure ment category A, fan is free inlet and outlet conditions
16	Motor manufacturer	NIDEC SHIBAURA (ZHEJIANG) CORP.

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.1%
2	Overall efficiency (η_e) =	33.7%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =44.6
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.186kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.37m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measurement category A, fan is free inlet and outlet conditions
16	Motor manufacturer	GUANGDONG WELLING MOTOR MANUFACTURING CO.,LTD.

ErP Information

Fan Types	Axial fan		
Directive (or Standard) for Regulation		ErP Directive 2009/125/EC COMMISSION REGULATION (EU) No 327/2011	
Model Name	WZDK170-38G-1	Rev.	
Prepare by			

Specified Information of Fan:

No.	Information Item	Comment
1	$\eta_{\text{target}} =$	29.0%
2	Overall efficiency (η_e) =	34.6%
3	Pass or not (Criteria: $\eta_e \geq \eta_{\text{target}}$)	Pass
4	Measurement category (A-D)	A
5	Efficiency category (static or total)	Static
6	Efficiency grade at optimum energy efficiency point	N =4.57
7	VSD is integrated within the fan	YES
8	Year of Manufacture	Ref. to the Unit Nameplate
9	Manufacturer's name and place of manufacture	Ref. to the Unit Nameplate
10.1	Rated motor power input(s) (kW), at optimum energy efficiency	0.180kw
10.2	Rated motor flow rate(s) at optimum energy efficiency	1.378m ³ /s
10.3	Rated motor pressure(s) at optimum energy efficiency	40Pa
11	Rotations per minute (R.P.M)at the optimum energy efficiency point	800r/min
12	Specific ratio	1.001
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	all materials can be recycled
14	Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	For installation, the clearance of 500 mm shall be kept from inlet
15	Description of additional items used when determining the fan energy efficiency,such as ducts, that are not described in the measurement category and not supplied with the fan.	Measurement category A, fan is free inlet and outlet conditions
16	Motor manufacturer	Panasonic Motor (HangZhou) CO.,LTD



Escanee para ver este manual en otros idiomas y actualizaciones
Scan for manual in other languages and further updates
Manuel dans d'autres langues et mis à jour
Manual em outras línguas e atualizações

johnson

Polígono Industrial San Carlos,
Camino de la Sierra S/N Parcela 11
03370 - Redován (Alicante)
www.ponjohnsonentuvda.es

Toda la documentación del producto
Complete documents about the product
Documentation plus complète sur le produit
Mais documentação do produto



V.1