

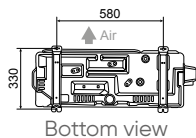
TECHNICAL CHARACTERISTICS AND PERFORMANCE

DESCRIPTION		UNIT	LORIA DUO 6003 R32	LORIA DUO 6004 R32	LORIA DUO 6006 R32	LORIA DUO 6008 R32	LORIA DUO 6010 R32
Refrigerant			R32	R32	R32	R32	R32
CHARACTERISTICS AND HEATING PERFORMANCE							
E.P.	Energy class - heating (35°C/55°C) package	-	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Thermal output (35°C / 55°C)	kW	4 / 4	5 / 5	6 / 5	7 / 6	9 / 9
	Annual energy consumption - heating (35°C / 55°C)	kWh	930 / 1313	2418 / 3018	2614 / 3307	2901 / 3751	3796 / 5014
	Seasonal energy efficiency - heating (35° / 55°) without an outdoor sensor	%	181 / 126	182 / 128	190 / 132	185 / 134	186 / 139
	Seasonal energy efficiency - heating (35° / 55°) with an outdoor sensor	%	183 / 128	184 / 130	192 / 134	187 / 136	188 / 141
	Sound power (indoor/outdoor)	dB(A)	40 / 57	40 / 57	40 / 57	40 / 60	40 / 62
DHW CHARACTERISTICS AND PERFORMANCE							
E.P.	Draw-off profile - DHW	-	L	L	L	L	L
	Energy class - DHW	-	A+	A+	A+	A+	A+
	Annual energy consumption in kWh - DHW	kWh	777	777	777	777	777
	Seasonal energy efficiency - DHW	%	132	132	132	132	132
GENERAL CHARACTERISTICS							
	SCOP (35°/55°)		4.60 / 3.22	4.61 / 3.29	4.82 / 3.37	4.7 / 3.41	4.73 / 3.54
	Heating capacity +7°C/+35°C - UH	kW	3.30	4.60	5.60	7.50	9.80
	COP +7°C/+35°C - PC		2.20	4.83	4.81	4.52	4.53
	Heating capacity -7°C/+35°C - UH	kW	3.50	4.50	5.30	5.90	9.20
	COP -7°C/+35°C - PC		3.03	2.94	2.73	2.72	2.63
	Heating capacity +7°C/+55°C - Rad	kW	3.10	4.50	5.60	7.20	9.50
	COP +7°C/+55°C - Rad		2.55	2.72	2.77	2.77	2.85
	Heating capacity -7°C/+55°C - Rad	kW	3.30	3.90	4.25	5.30	8.00
	COP -7°C/+55°C - Rad		1.77	1.91	1.95	1.96	2.01
	Electrical backup heater heating capacity	kW	3	3	3	3	3
INDOOR UNIT							
	Noise level ⁽¹⁾	dB(A)	32	32	32	32	32
	Unladen weight/filled weight	kg	135 / 330	135 / 330	135 / 330	135 / 330	135 / 330
HYDRAULIC CHARACTERISTICS							
	Vessel expansion capacity	l	8	8	8	8	8
	DHW tank capacity	l	190	190	190	190	190
	DHW electrical backup heating capacity	kW	1.60	1.60	1.60	1.60	1.60
	Materials DHW tank		Enamelled steel				
	Warming-up time in compliance with EN16147	h/mn	1h36	1h36	1h36	1h36	1h36
	Reference temperature in compliance with EN16147	°C	52.5	52.5	52.5	52.5	52.5
	DHW COP in compliance with EN16147	-	3.26	3.26	3.26	3.26	3.26
	Max usable volume of hot water in compliance with EN16147	L	243	243	243	243	243
	Reserve power in compliance with EN16147	W	31	31	31	31	31
	Heating circuit input and output diameters (male thread)	pouce	1	1	1	1	1
	Recommended operating range min/max - hot mode	°C	-20 / +35	-20 / +35	-20 / +35	-20 / +35	-20 / +35
ELECTRICAL CONNECTION							
	Power supply		230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
	Power consumption on standby	W	5	5	5	5	5
	Circuit breaker rating for heat pump booster heaters curve C	A	16	16	16	16	16
	Heat pump booster heater power cables	mm²	3G 1.5	3G 1.5	3G 1.5	3G 1.5	3G 1.5
FUJITSU OUTDOOR UNIT							
	Noise level ⁽²⁾	dB(A)	35	35	35	38	40
	Weight in operation	kg	39	39	39	42	62
REFRIGERANT CHARACTERISTICS							
	Gas diameter	pouce	1 / 2	1 / 2	1 / 2	1 / 2	5 / 8
	Liquid diameter	pouce	1 / 4	1 / 4	1 / 4	1 / 4	3 / 8
	Refrigerant factory load HFC R32	g	970	970	970	1020	1630
	Quantity of fluid in tonnes of CO ₂ -eq	t	1	1	1	1	1
	Min/max length	m	3 / 30	3 / 30	3 / 30	3 / 30	3 / 30
	Max difference in height	m	20	20	20	20	20
	Max length<1> with no additional load	m	15	15	15	15	20
	Quantity of gas to be added per additional m	g	25	25	25	25	20
ELECTRICAL CONNECTIONS							
	Power supply		230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
	Standby consumption (Average power consumed by pump)	W	38	38	38	38	38
	Max intensity (excluding booster heaters)	A	13	13	13	18	19
	Circuit breaker rating C curve	A	16	16	16	20	32
	Power cable, outdoor module	mm²	3G1.5	3G1.5	3G1.5	3G2.5	3G 4 or 6
	Cables connecting the outdoor and indoor modules	mm²	4G1.5	4G1.5	4G1.5	4G1.5	4G1.5

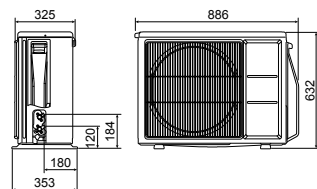
(1) Acoustic pressure at 5m from HP, 5 m from the ground, open field, directivity 2.
(2) Acoustic pressure at 5m from HP, 1,5 m from the ground, open field, directivity 2.

INSTALLATION DIMENSIONS (mm)

Outdoor Inverter unit
Loria Duo R32 3, 4 and 6



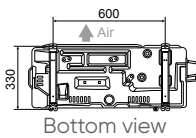
Bottom view



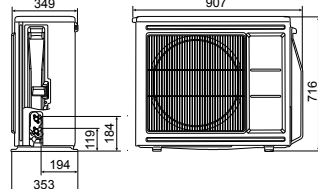
Side view

Front view

Outdoor Inverter unit
Loria Duo R32 8



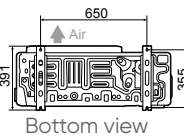
Bottom view



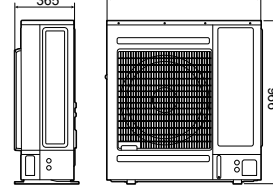
Side view

Front view

Outdoor Inverter unit
Loria Duo R32 10



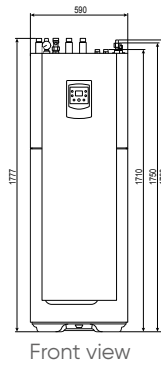
Bottom view



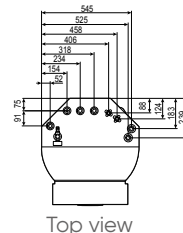
Side view

Front view

Indoor hydraulic module



Front view



Top view