

sP20-in | The fireplace

stûv

FEATURES

Pleasure of the fire	Wide view of the fire
	Maximum experience from different spots in the living room
Comfortable heating	Efficiency +90%
	Natural convection, no fan: no mechanical noise
	Optional ductable convection, with fan speed adjustable over 4 levels up to 2.5 kW
	Enhanced radiant heat thanks to the large glass surface
	Flame and heat quality comparable to a wood fire thanks to its patented flower burner
Ease of use	Automatic de-ashing
	Full control via the Stûv Pellets mobile app
	Integrated simplified control display
Architectural integration – aesthetics	The fireplace blends into the wall: space saved, nothing protrudes into the living room
	The flue is concealed, the aesthetic remains clean
	Continuous line of the combustion chamber
	No visible ventilation grille; compatible with the existing niches of previous s30-in models: replacement possible without major building work
Ergonomics	18 kg hopper
	Front access to the hopper
	Theoretical autonomy of 10 h at nominal output
	Ash pan
Ease of installation and maintenance	Four connection types for the combustion air inlet
	Pre-installation casing and fireplace delivered on a wheeled frame with easy access to the connections
	Integrated transport wheel for positioning the fireplace; removable fireplace for maintenance that can be carried out by one person
	Sweeping access via the flue gas collection box of the casing
	Assistance QR code integrated on the appliance, giving service personnel (chimney sweeps, after-sales service) access to the technical documentation
Superior quality	Steel structure
	Vermiculite combustion chamber
	A product designed to last
	Every fireplace is factory-tested before dispatch
Patents	EP 2304319, JP 5390603, US 8,904,944, US 8,826,899 — design/model no. 8044366-0002



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TECHNICAL OVERVIEW

GENERAL

TYPE OF FIREPLACE	Insert (built-in)
FUEL	Wood pellets DIN plus, EN plus A1
HEATING BODY MATERIALS	Steel + vermiculite
FINISH	StûvBlack
LOADING	Manual
CONTROL APP	Stûv Pellets (iOS / Android)

WEIGHT / DIMENSIONS

MASS	160 kg
STANDARD NICHE HEIGHT	1900 mm
RAISED NICHE HEIGHT	up to 2800 mm max.
FIREPLACE DEPTH	470 mm
GLASS DIMENSIONS	375 x 405 mm
Ø FLUE	80 mm
Ø EXTERNAL AIR INLET	60 mm
PELLET HOPPER CAPACITY	18 kg

COMBUSTION AIR

MAX. LENGTH OF THE AIR INLET DUCT	5 m
MAX. NUMBER OF 90° BENDS	4
MIN. AIR SUPPLY CROSS-SECTION (IF NO DIRECT EXTERNAL AIR CONNECTION)	30 cm²
POSSIBLE CONFIGURATIONS	rear / bottom / direct external connection (ducted) / concentric through the roof

FLUE CONNECTION

STANDARD OUTLET DIAMETER	80 mm
APPLICABLE STANDARDS	EN15287-1/-2; EN13384-1 (calculation note mandatory); EN1856-1; EN14989-2

ELECTRICAL SUPPLY AND NETWORK

VOLTAGE / FREQUENCY	230 V – 50 Hz
ELECTRICAL POWER AT IGNITION	1,097.6 W (≈ 1.1 kW)
ELECTRICAL POWER IN NORMAL OPERATION / STANDBY	see "performance" table below
REQUIRED ELECTRICAL PROTECTION	earthed socket + 300 mA residual current device (RCD)
NETWORK CONNECTION	Ethernet (recommended) or 2.4 GHz Wi-Fi (WPA2-PSK, 802.11b/g/n standards)
ADDITIONAL PROVISION	RJ45 socket at the back of the niche if using a wired connection

Conforms with:



ECODESIGN 2022 / BE Phase 3 / DEFRA

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PERFORMANCE

PARAMETERS	NOMINAL OUTPUT	REDUCED OUTPUT
ENERGY EFFICIENCY CLASS	130	A+
ENERGY PERFORMANCE INDEX	7.8 kW	-
ENERGY EFFICIENCY INDEX	91.8%	130
MEASURED HEAT OUTPUT	88.2%	4.3 kW
MEASURED EFFICIENCY	11.7 mg/Nm³	94.2%
SEASONAL EFFICIENCY	0.002% 31.3 mg/Nm³	88.2%
PARTICULATE EMISSIONS	114.3 mg/Nm³	18 mg/Nm³
CO EMISSIONS (13% O ₂)	< 1 mg/Nm³	0.008% 100 mg/Nm³
NO _x EMISSIONS (13% O ₂)	1.743 kg/h	104 mg/Nm³
VOC/OGC /C ₆ H ₁₀ EMISSIONS	6 Pa / 30 Pa	< 1 mg/Nm³
PELLET CONSUMPTION	4.4 g/s	0.933 kg/h
RECOMMENDED / MAXIMUM DRAUGHT	186 °C	3 Pa / 12 Pa
FLUE GAS MASS FLOW	47 W	3.0 g/s
AVERAGE FLUE GAS TEMPERATURE	3 W	110 °C
ELECTRICAL POWER IN NORMAL OPERATION	47 W	46 W
ELECTRICAL POWER IN STANDBY	3 W	3 W

ACCESSORIES / EQUIPMENT

AS STANDARD

PRE-INSTALLATION CASING + STANDARD FINISHING UPRIGHT (1900 MM) — REF. 11400112

LOWER FINISHING PLATE WITH INTEGRATED TRANSPORT WHEEL

INTEGRATED ETHERNET / WI-FI CONNECTIVITY

ASH PAN + MANUAL DE-ASHING GRATE

OPTIONAL

RAISED FINISHING UPRIGHT, UP TO 2800 MM — REF. 11400113

DUCTABLE VENTILATION KIT — REF. 12017029

FLOOR PLATE

REMOTE CONTROL WITH INTEGRATED THERMOSTAT — REF. 13012143

FLEXIBLE CONNECTION KIT FOR Ø50 CONCENTRIC CONNECTION + HOSE CLAMPS (X3) — REF. 12002141

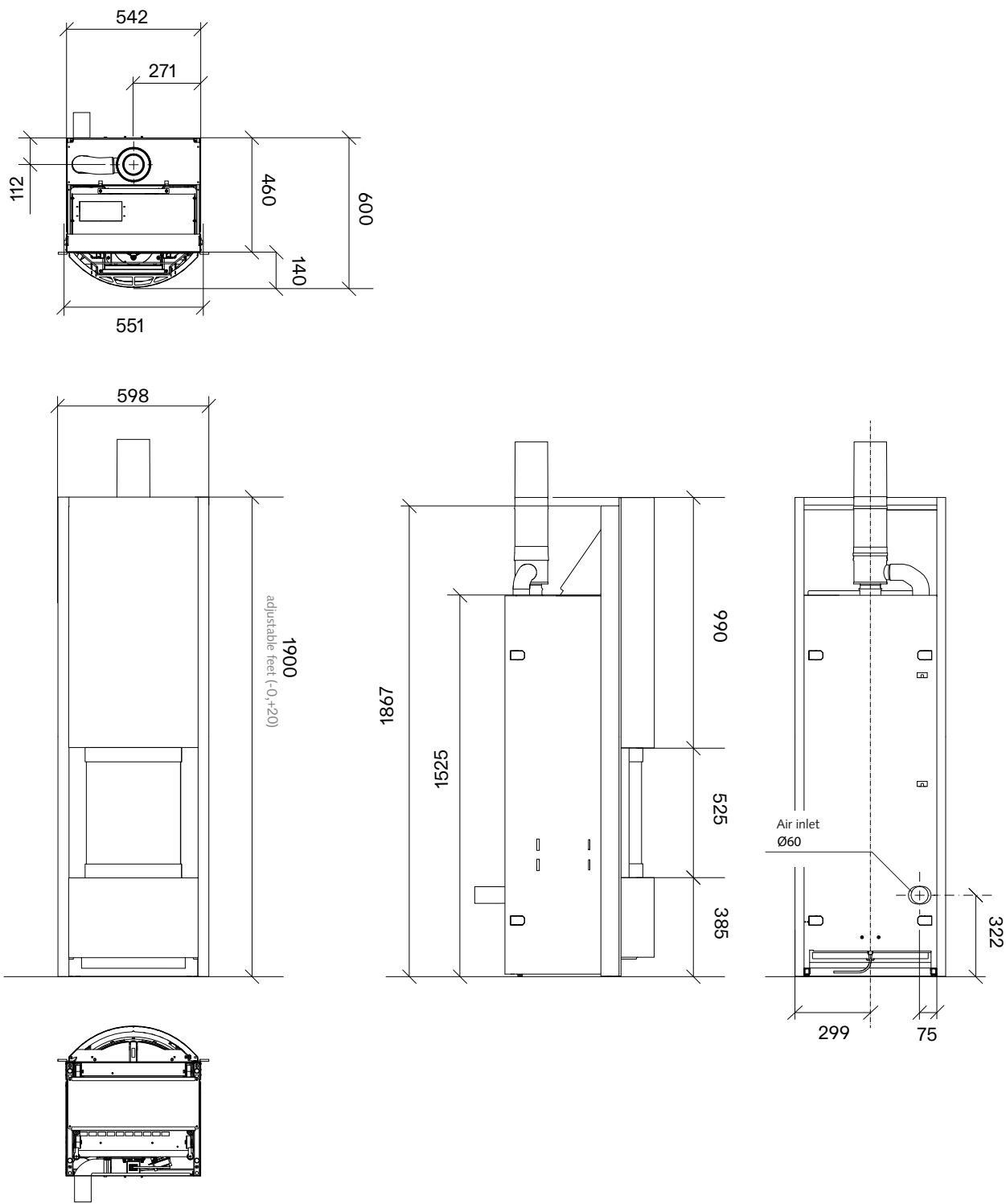
Ø63 EXTERNAL AIR CONNECTION — REF. 12002142

CONCENTRIC T-CONNECTOR EDPAH80/130PGI

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FIREPLACE DIMENSIONS

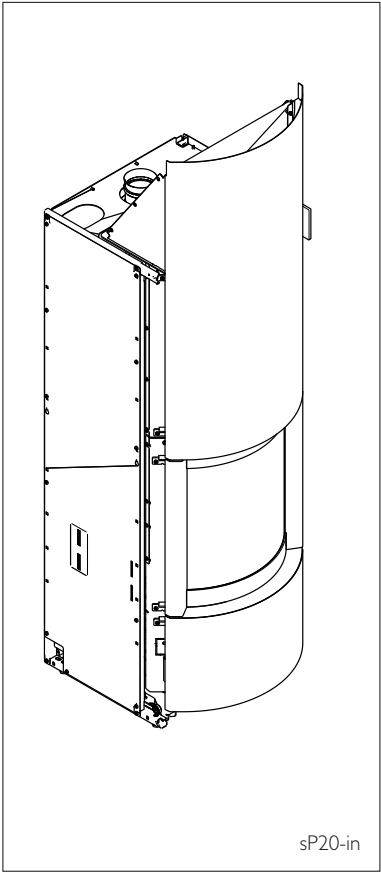


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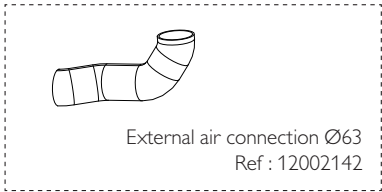
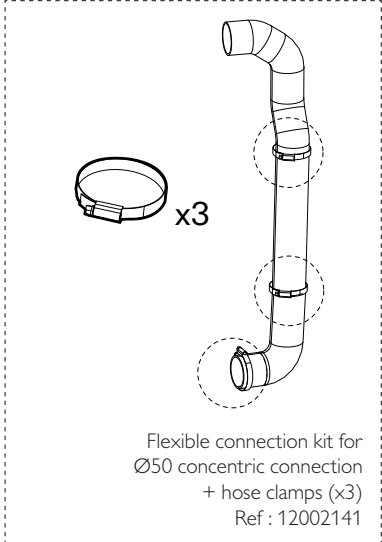
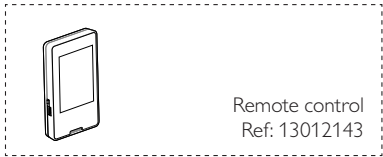
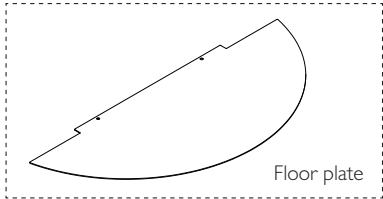
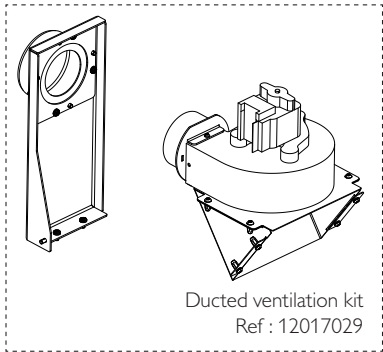
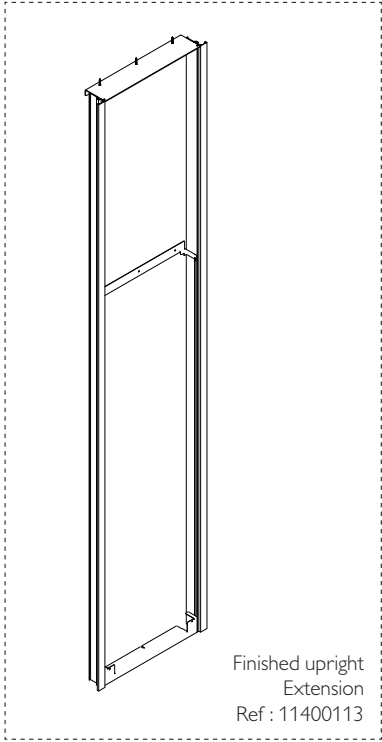
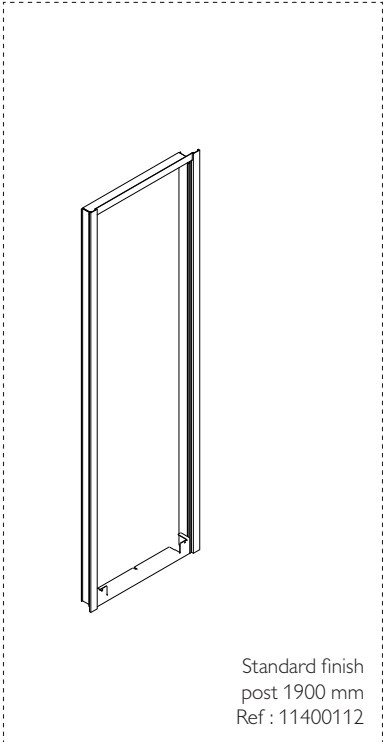


PRODUCT COMPOSITION

FIREPLACE



OPTIONS

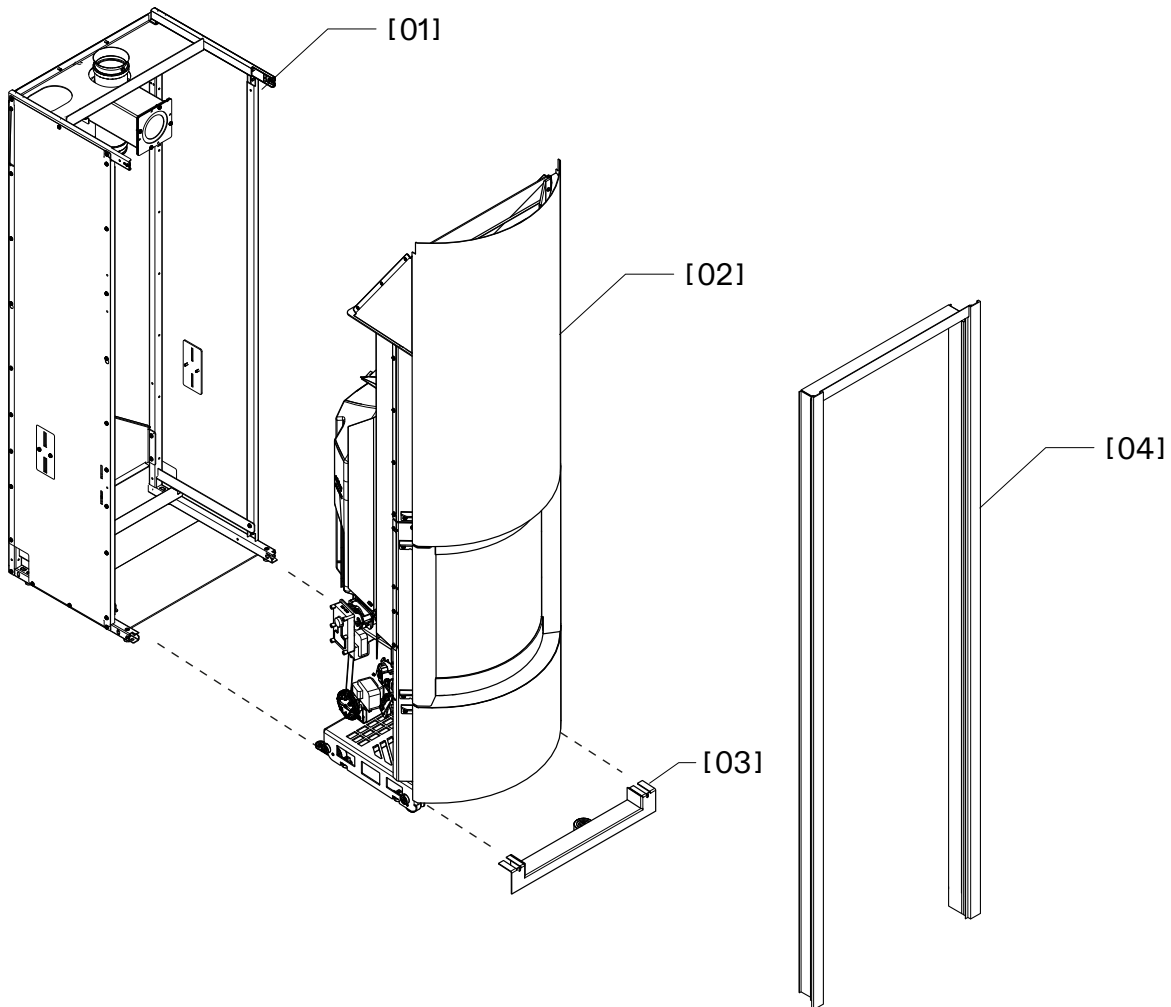


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OVERVIEW

MAIN COMPONENTS



[01] Pre-installation casing

[02] Fireplace

[03] Lower finishing plate
(integrated transport wheel)

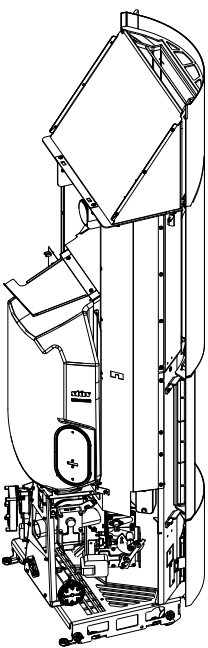
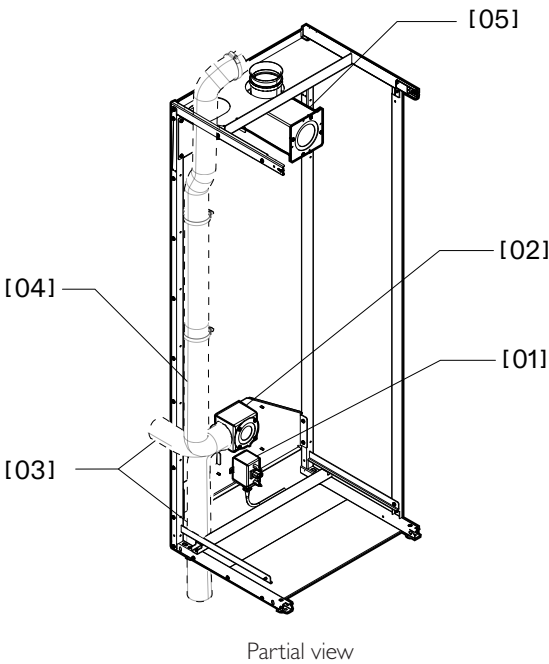
[04] Finishing frame

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OVERVIEW

PRE-INSTALLATION CASING DETAIL



- [01] Power supply unit
- [02] Connection box for combustion air inlet
- [03] Flexible air inlet, rear or bottom (optional)
- [04] Flexible air inlet for concentric connection (optional)
- [05] Flue gas collection box with sweeping access

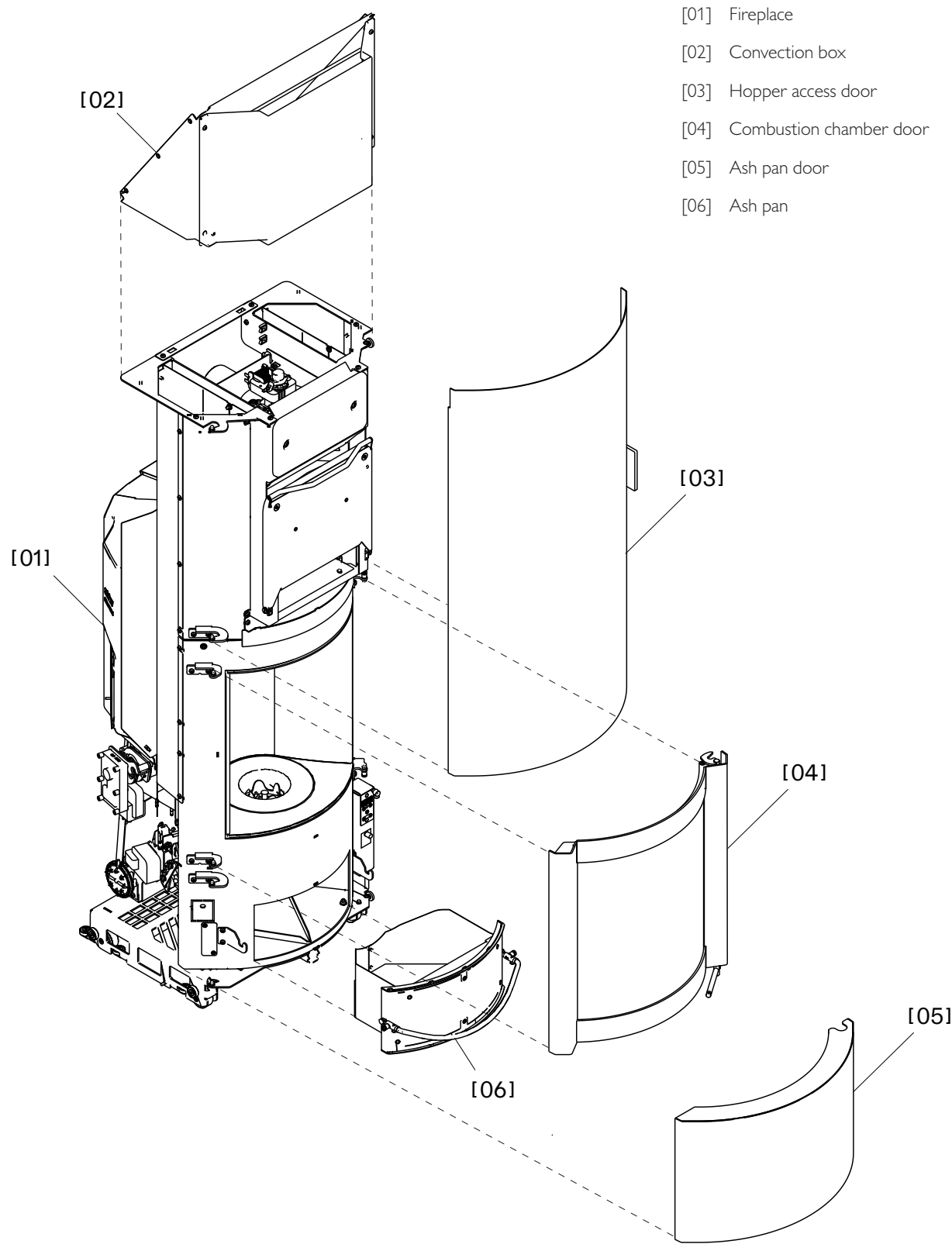


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OVERVIEW

FIREPLACE DETAILS



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OPERATION

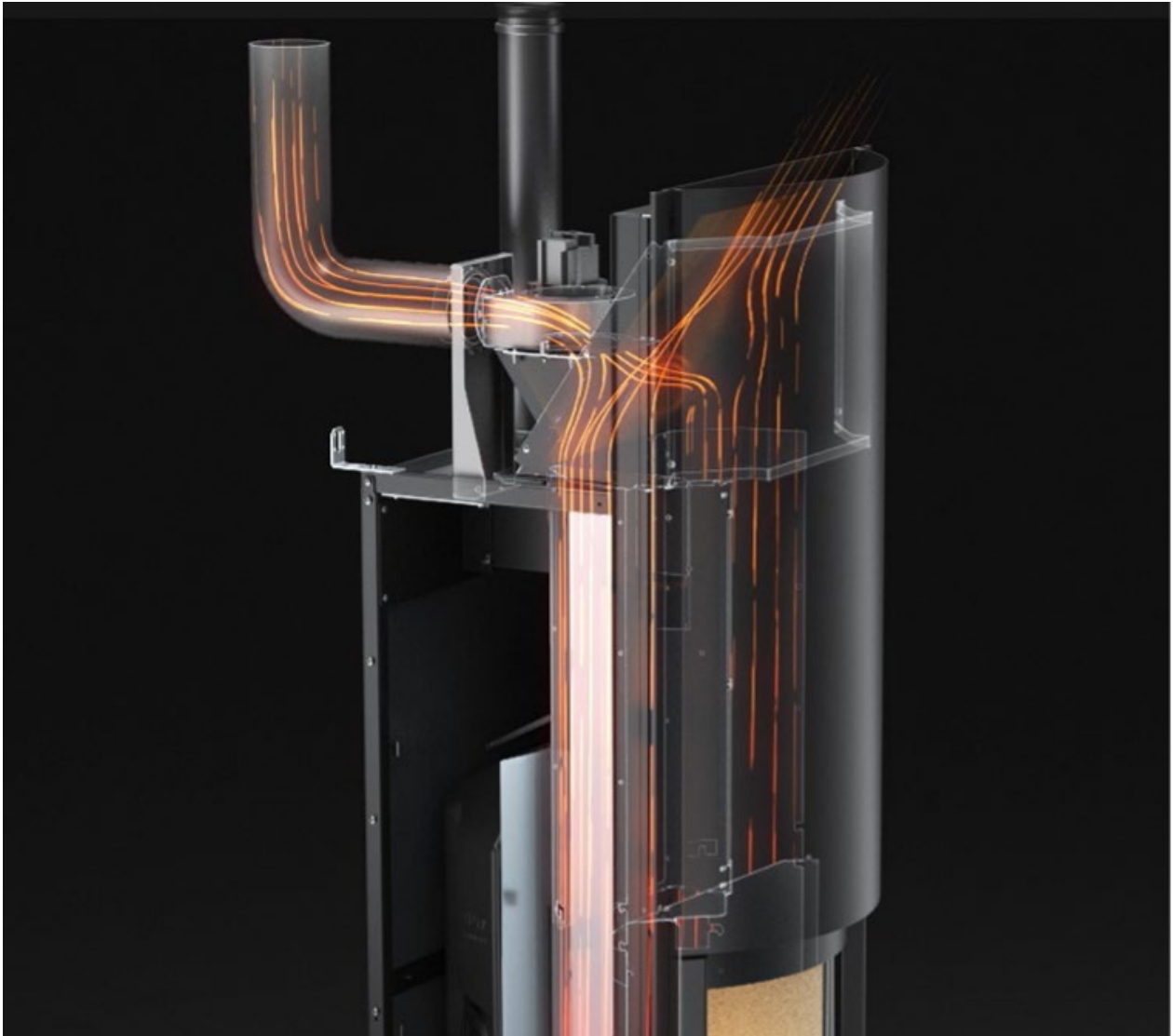
Your sP20-in has been designed to offer you outstanding combustion quality and incomparable enjoyment of the fire.

The exceptional quality of its patented flower burner, the large capacity of its hopper and its advanced programming options (electronics and smart sensors) guarantee an experience perfectly tailored to your needs.

Once set up, your appliance automatically modulates its operation to provide you with optimal thermal comfort.

The heat output delivered varies through the regulation of the quantity of pellets fed to the burner and the quantity of air supplying the combustion.

The combustion chamber diffuses an enveloping warmth, combining radiant heat and convection, while the curved glass offers you an unobstructed view of the flame.



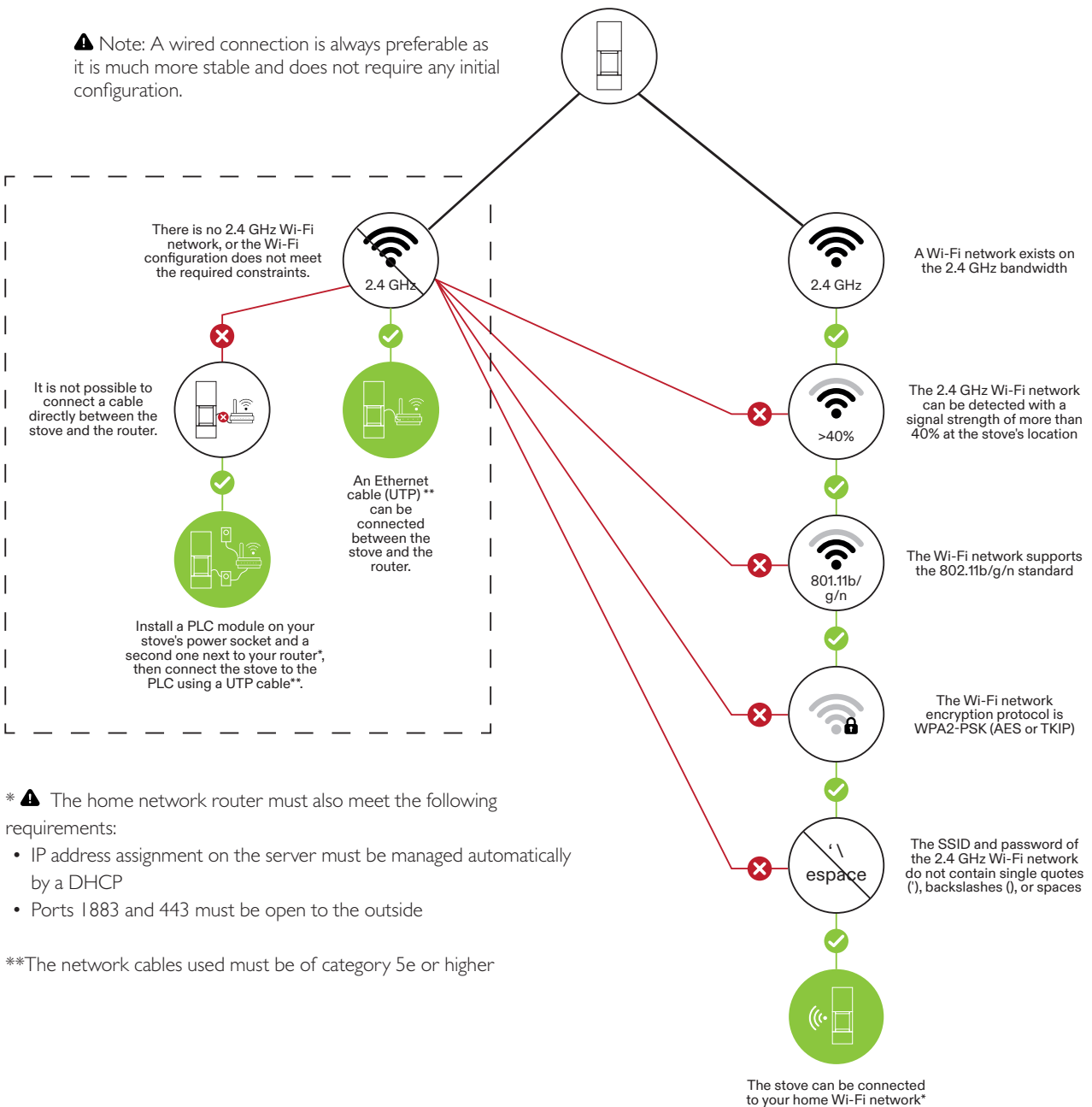
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NETWORK CONNECTION

There are two options available for installing the communication module: a Wi-Fi connection and a wired connection via an Ethernet cable to the router (possibly via PLC modules that allow data to be transmitted via the mains electricity network).

You can do this by using a PC and downloading an application such as Netspot Free Edition (Windows or Mac), Vistumbler (Windows) or Wi-FiInfoView (Windows). These applications will allow you to quickly assess the characteristics of your home Wi-Fi network.



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WIFI HANDSET



REMOTE CONTROL



PELLET TWIN SET

