



LEENDERS

SINCE 1979

KILO

DATASHEET

EN

NL

DE

FR

TECHNICAL DOCUMENTATION FOR SOLID FUEL LOCAL SPACE HEATERS

Manufacturer	Harrie Leenders Haardkachels B.V., Industrieweg 25, 5688 DP Oirschot, The Netherlands	General description	Freestanding solid fuel local space heater without hot water supply
Model identifier	KILO	Specific precautions for assembly, intallation or maintenance	Precautions for assembly, installation and maintenance are described in: - Installation instructions - Instructions for use & maintenance
Equivalent models	DISK, WARNE	Calculations	$EEL = (\mu S_{on} \cdot BLF) - 10\% + F(2) + F(3) - F(4) - F(5)$ $\mu S_{on} = \mu_{th, nom}$ $\eta_s = \eta_{nom} - 10\% + F(2) + F(3) - F(4) - F(5)$
Test report nr.	1639-AoP-EZKA/2025-11/006-7	Testing conditions	Tested according: EN16510-2-1:2022
Harmonized European standard	EN16510-2-1:2022		
Indirect heating function	No		
Direct heat output (kW)	4,9		
Indirect heat output (kW)	-		
Air tightness class	Type BF		

Fuel	Preferred fuel (only one)	Other suitable fuel(s)	Emissions at nominal heat output [mg/Nm³ (13 % O²)]				Emissions at minimum heat output [mg/Nm³ (13 % O²)]			
			PM	OGC	CO	NOx	PM	OGC	CO	NOx
Wood logs, moisture content < 25 %	Yes	No	12	33	837	77	N/A	N/A	N/A	N/A
Compressed wood, moisture content < 12 %	No	Yes	12	33	837	77	N/A	N/A	N/A	N/A
Other woody biomass	No	No								
Non-woody biomass	No	No								
Anthracite and dry steam coal	No	No								
Hard coke	No	No								
Low temperature coke	No	No								
Bituminous coal	No	No								
Lignite briquettes	No	No								
Peat briquettes	No	No								
Blended fossil fuel briquettes	No	No								
Other fossil fuel	No	No								
Blended biomass and fossil fuel briquettes	No	No								
Other blend of biomass and solid fuel	No	No								

Characteristics when operating with the preferred fuel

Seasonal space heating efficiency η_s [%]	75,4
Energy efficiency index (EEI)	113,4

	Symbol	Value	Unit	Type of heat output/room temperature control (select one)	
Heat output					
Nominal heat output	P_{nom}	4,9	kW	Single-stage heat output, no room temperature control	No
Minimum heat output (indicative)	P_{min}	N/A	kW	Two or more manual stages, no room temperature control	Yes
Useful efficiency (NCV as received)				With mechanic thermostat room temperature control	No
Useful efficiency at nominal heat output	$\eta_{th, nom}$	84,4	%	With electronic room temperature control	No
Useful efficiency at minimum heat output (indicative)	$\eta_{th, min}$	N/A	%	With electronic room temperature control plus day timer	No
Auxilliary power consumption				With electronic room temperature control plus week timer	No
At nominal heat output	e_{lmax}	N/A	kW	Other control options (multiple selection possible)	
At minimum heat output	e_{lmin}	N/A	kW	Room temperature control, with presence detection	No
In standby mode	e_{lSB}	N/A	kW	Room temperature control, with open window detection	No
Permanent pilot flame power requirement				With distance control option	No
Pilot flame power requirement (if applicable)	P_{pilot}	N/A	kW		



Power range: min./ max per hour Vermogensbereik; min./max. per uur Leistungsbereich; min.max. pro Stunde Plage d'utilisation, puissance min./max. par heure	[1]	2-8 kWh
Fuel requirement per hour, min./max. Navul hoeveelheid per uur, min./max. Holzaufgabemenge pro Stune, min./max. Charge de bois par heure, min./max.	[2]	0,5-2 kg
Weight Gewicht Gewicht Poids		200 kg
Efficiency Rendement Wirkungsgrad Rendement		84.4%
Energy Efficiency Class Energie Efficiëntie Klasse Energie Effizienz Klasse Classe d'efficacité énergétique	A+	
Energy Efficiency Index Energie Efficiëntie Index Energie Effizienz Index Index d'efficacité énergétique	113,4	
Dust Stof Staub Poussieres fines		12 mg/Nm3
CO		0.07 %
Information for chimney calculation Informatie voor schoorsteenberekening Information für den Schornsteinfegermeister Information pour le calcul de conduit et de tirage de cheminée		4.9 kW 4.1 g/s 262 °C 0.07 % CO 0.12 mbar
EN 16510 Art.15a B-VG VKF BlmschV. Stufe 2 Flamme Rucola Smoke Control		1639-AoP-EZKA/2025-11/006-7 ☑ ☑ ☑ ☑ ☑

[1]

The minimum power is required to keep the stove at operating temperature.

Het minimale vermogen is nodig om de haard op bedrijfstemperatuur te houden.

Die minimale Leistung ist notwendig, damit die Betriebstemperatur des Kaminofens aufrechterhalten bleibt.

Une puissance minimum est nécessaire pour maintenir le poêle à une bonne température de fonctionnement.

[2]

At 80% efficiency, 1kg of wood with 15% rest moist, gives of approx. 3,5kW energy.

Bij een rendement van 80%, geeft 1kg stookhout met 15% restvocht, ongeveer 3,5kW energie.

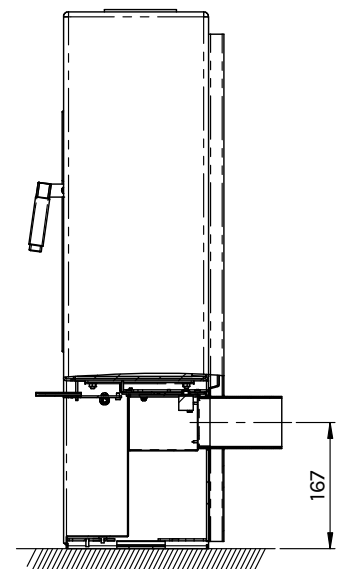
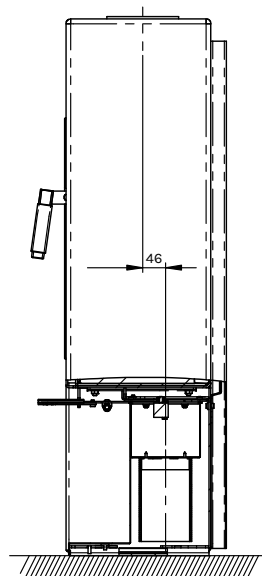
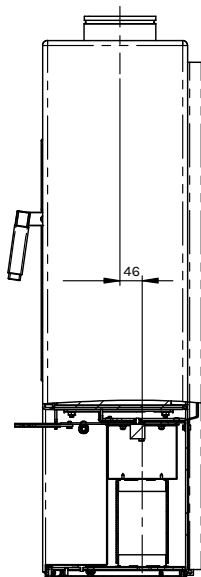
Bei einem Wirkungsgrad von 80%, ergibt 1 kg Holz mit 15% Restfeuchtigkeit etwa 3,5kW Energie.

Avec un rendement de 80%, 1kg de bois avec un taux d'humidité de 15% délivre environ 3,5 kW de énergie.



Color variations body Kleurvariaties body Farbvariationen Body Les variations de couleur body	black/anthracite zwart/antraciet schwarz/anthrazit noir/anthracite
Color side tiles Kleur zijstenen Farb Seitensteine Couleur réfractaires latérales	black/anthracite/natural zwart/antraciet/naturel schwarz/anthrazit/naturel noires/anthracites/naturelles
Flue Diameter Diameter afvoer Anschlussdurchmesser Diamètre de conduit	Ø150mm
Rotatable top flue Draaibaar bovenafvoer Drehbar mit Anschluss oben Sortie dessus pivotable	2 x 45 ° - 2 x 60 ° - 360 °
Rotatable rear flue Draaibaar achterafvoer Drehbar mit Anschluss hinten Sortie arriere pivotable	-
Plus heat storage Plus stenen set Plus Speicher set Ceramiques d'accumultion	12h -> 40 °C
Fresh air supply Verse luchtvoorziening Frischlufztzufuhr Prise d'air	to wall/floor naar wand/vloer zur Wand/Boden par le sol/le mur
Possibility to level foot Voet waterpas te stellen Fuss mit Wasserwaage ausrichten Mise à niveau du pied	☒

Fresh air supply/verse luchtvoorziening/Frischlufztzufuhr/prise d' air

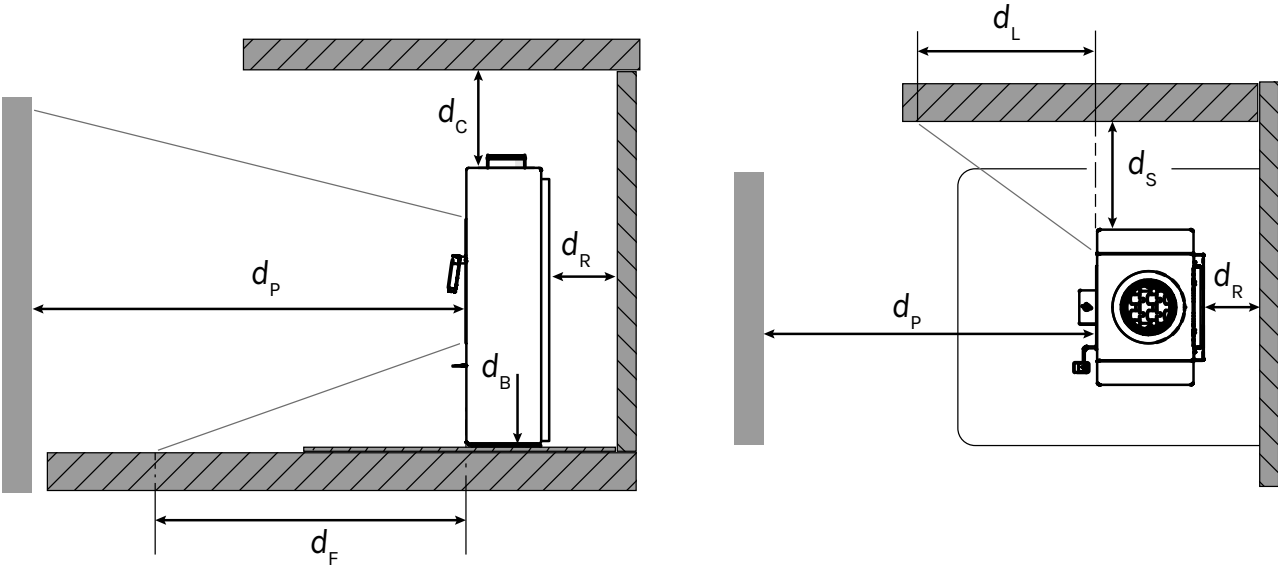




1		2		3		4		
REVISIES								
Rev.	Datum	Getekend	Omschrijving					
1	20-12-2022	TvA	22mm was 23.5mm					
A								A
B								B
C								C
D								D
E	Uitslag ter informatie k=0,5							E
1		1		KGW plaat 1.5mm		436x288		
Pos		#		Omschrijving		Lengte		
Toleranties tenzij anders vermeld:		Afwerkingsgraad oppervlakties conform HLH LFS norm		Afwerkingsgraad oppervlakties tenzij anders vermeld: H4		Project Kilo		
↔ : ± 0,5 mm						Assembly no. 59.905		
∠ : ± 1°		A4		Proj.		Titel		
⊥ : ± 1°		Units MM				Afdekplaat bij beluchting		
 LEENDERS SINCE 1878		Getekend		Datum		HLH tekening nummer		
		TvA		18-06-2022		59,011		
		Blad		1 - 1		Schaal		
		Type		M		Gewicht		
				Status		Magazijn		
				Def.				
1		2		3		4		
F								F



Minimale afstanden ter bescherming van brandbare materialen
Minimum distances for the protection of combustible materials
Mindestabstände zum Schutz brennbarer Materialien
Distances minimales pour la protection des matériaux combustibles



Rondom de kachel
Around the appliance
Rund um den Kaminofen
Autour du poêle

d_B	0 mm
d_R	150 mm
d_S	250 mm
d_C	750 mm

Voor de kachel
In front of the appliance
Vor dem Kaminofen
Devant le poêle

d_F	1000 mm
d_P	1000 mm
d_L	1000 mm



flammable
brandbaar
brennbar
inflammable

nonflammable
onbrandbaar
nicht brennbar
inflammable

