



DECLARATION OF PERFORMANCE

Manufacturer: Arada Ltd

Range Designation: I Series Inset Stoves

Intended Use: Domestic heating appliance

Independent Performance and Safety tested by: Kiwa Gastec, Notified Body No: 0558

Constancy of Performance System: ISO9001

Model	i400-G2	i500-G2	i600-G2	i750-G2
Approximate Output Range: (kW)	2 - 8	2 - 9	2 - 11	2.5 - 12
Harmonised EN European Standard (hEN):	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004	BS EN 13229:2001 + A1:2003 + A2:2004
Additional Characteristics Test Standard:				
Additional Particulate Emission Test Standard:	PD6434	PD6434	PD6434	PD6434
Test Report reference:	60182-3	60226-1	60226-3	60226-2
Performance Characteristics on Wood Fuel				
Total Efficiency: (%)	77.1	74.4	74.4	78.7
Declared nominal output: (kW)	4.9	6.4	7.5	8.9
Tested nominal Output: (kW)	6.1	6.4	7.5	8.9
Flue gas mass flow: (g/s)	4.6	5.4	5.9	5.9
Mean CO emission (@13% O ₂): (%)	0.19	0.14	0.27	0.27
Mean OGC emission (@13% O ₂): (Nmg/m ³)				
Mean NO _x emission (@13% O ₂): (Nmg/m ³)				
DIN+ particulates (@13% O ₂): (Nmg/m ³)				
PD6434 Particulate Emissions High output: (gh-1)	2.8	3.6	3.3	3.6
PD6434 Particulate Emissions Low output: (gh-1)	1.7	2.6	2.9	4
Mean Flue Temperature: (Deg C)	329	357	357	331
Underhearth Temperature: (Deg C)	119.1	77.8	77.8	89.9
Approximate Max Log Length: (mm)	255	350	480	600
Performance Characteristics on Ancit Briquetted Smokeless Fuel				
Total Efficiency: (%):				
Declared nominal output: (kW)				
Tested nominal output: (kW)				
Flue gas mass flow: (g/s)				
Mean CO emission (@13% O ₂): (%)				
Mean OGC emission (@13% O ₂): (Nmg/m ³)				
Mean NO _x emission (@13% O ₂): (Nmg/m ³)				
DIN+ particulates (@13% O ₂): (Nmg/m ³)				
Mean Flue Temperature: (Deg C)				
Underhearth Temperature: (Deg C)				
Safety Distances from Combustibles (standard flue connection)				
Side Wall: (mm)	220	150	150	150
Rear Wall: (mm)				
Shelf Distance Above Stove: (mm)	700	550	600	600
Safety Distances from Combustibles (twin wall flue connection)				
Side Wall: (mm)				
Rear Wall: (mm)				

Signed

Chris Linwood
 Technical Director
 January 2019