

Technical data

Model	INTEGRA					
	36_19	36_25	36_31	60_37	60_44	60_52
Output in kW	19	25	31	37	44	52
Product ID number	CE-0035 CO 102			CE-0035 CO 103		
Oil burner ⁵⁾	HBU 21_20	HBU 21_26	HBU 40_33	HBU 40_38	HBU 50_47	HBU 50_52
Steinen oil nozzle	ST 80° 0,40gph	ST 80° 0,50gph	S 80° 0,60gph	S 80° 0,75gph	S 80° 0,85gph	S 80° 1,00gph
Boiler heat output range in kW, 50/30° C	14,8 - 23	24,3 - 28,5	29,1 - 34	36,3 - 42,3	41 - 47,8	48,2 - 56,1
Boiler heat output range in kW, 80/60° C	13,3 - 20	22,8 - 25,5	27,6 - 31	34,3 - 39,3	38,5 - 44,8	45,7 - 53,1
Boiler heat output range in kW	14,3 ¹⁾ - 22	23,8 - 27,5	28,6 - 33	35,8 - 41,3	40,5 - 46,8	47,7 - 55,1
Efficiency rated output 80/60°C in %	98,2			96,6		
Efficiency rated output 50/30°C in %	102,1			100,2		
Efficiency 0.3 x rated output, 40°C in %	103,0			101,6		
NOx - class	5			5		
Room heating energy efficiency class	A					
Combustion chamber ³⁾	B23, C43, C63			B23, C43, C63	B23	
Supply air-flue gas pipe diameter in mm	80/125			110/150		
Connection height flue gas nozzle with horizontal storage / base / feet in mm"	1685 ²⁾ / 1435 ²⁾ / 1135 ²⁾			- / 1445 ²⁾ / 1145 ²⁾		
Boiler height with horizontal storage/base/feet in mm"	1435 / 1185 / 885			- / 1185 / 885		
Boiler depth in mm with/without unit hood	1050 / 735			1250 / 935		
Boiler width in mm	600			600		
Boiler weight in kg	136			166		
Boiler water content in ltr.	12,8			20,8		
Water content of flue gas heat exchanger in ltr.	1,9			2,8		
Resistance on heating-gas end in mbar	0,42			1		
Front-return connection (internal thread)	1"			1"		
max. operating pressure in bar	3					
Flue gas mass flow rate (max.) in g/s	14,89			25,66		
Pressure flue gas side in Pa	22			22		
Nominal flue gas temperature in °C	60,1			89,5		
Electrical connection (VAC / Hz)	1, N, PE / 230V, 50Hz					
Fuse	F6A					

Horizontal tank	TS 150
Horizontal tank capacity in ltr.	150
Continuous output 80/45/10 ltr/h	598
Continuous output 60/45/10 ltr/h	-
Front-return boiler connection (internal thread)	1"
Hot-cold water (outer thread)	3/4"

Horizontal tank	TS 150
Tank weight in kg	95
Tank height including feet in mm	575
Tank width in mm	600
Tank length in mm	1030
max. operating pressure in bar	10

- 1) with oil nozzle ST 75° 0.30gph
 2) Flue pipe middle
 3) B = room-air dependent (RLA);
 C = non room-air dependent (RLU)4)
 5) gas burner: INTEGRA I 36:
 HSP 1 E/F (20kW-36kW);
 INTEGRA 60:
 HSP 1 E/F (30kW - 70kW)