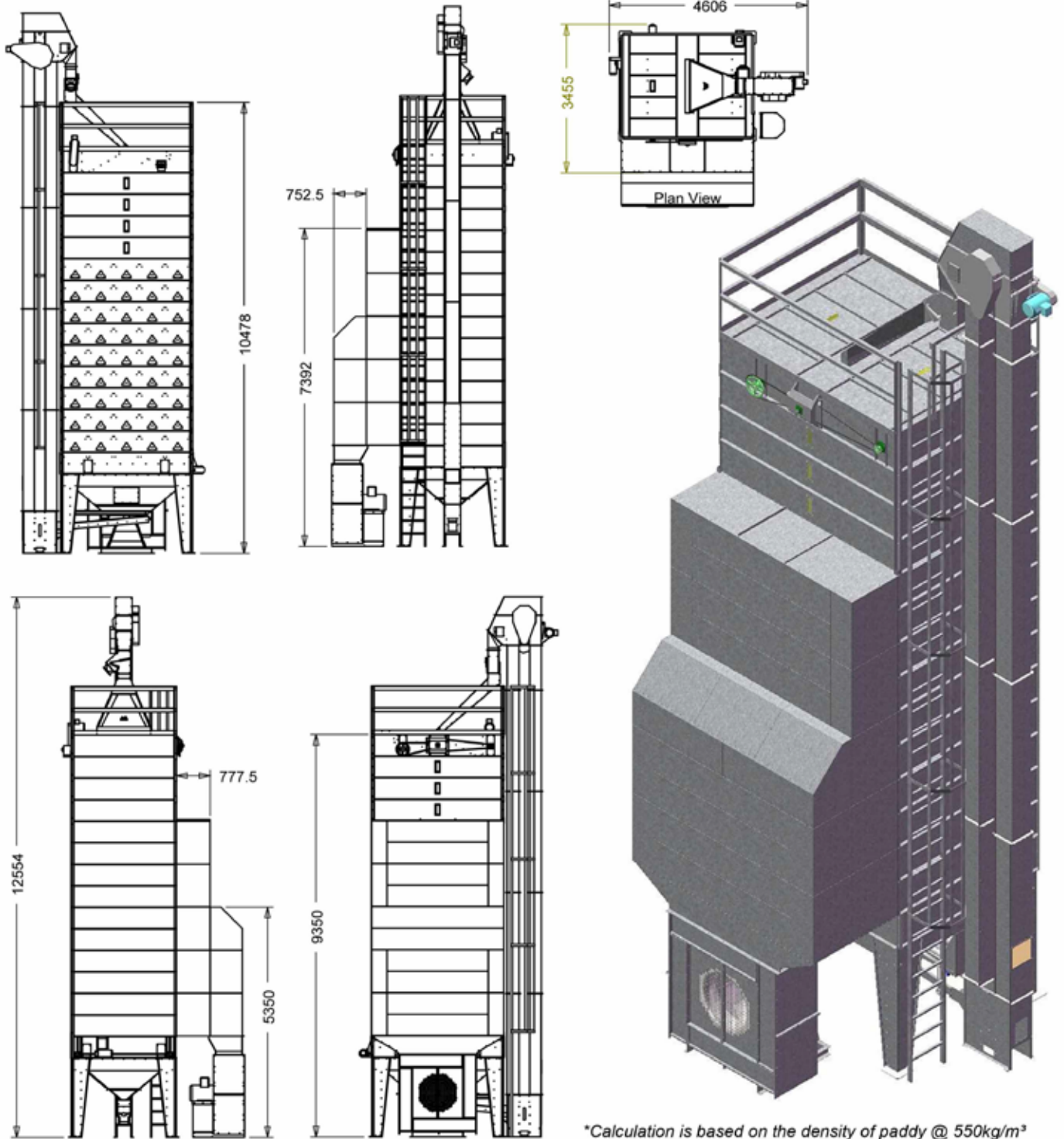


LSK DRYER

LSK-30-9-5



*Calculation is based on the density of paddy @ 550kg/m³

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Lot 25-28 & 32, Bandar Darulaman Industrial Park,
06000 Bandar Darulaman, Kedah Darul Aman, Malaysia.
Tel: +604-917 9591, Fax: +604-917 9596
email: info@agro-indus.com

www.agro-indus.com



LSK DRYER

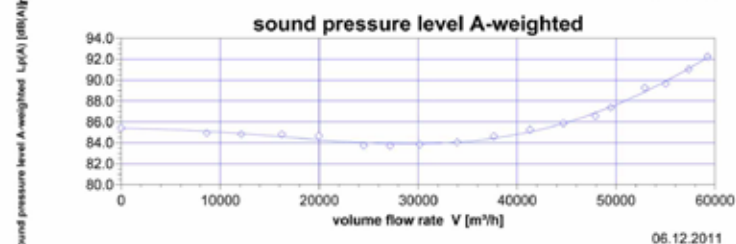
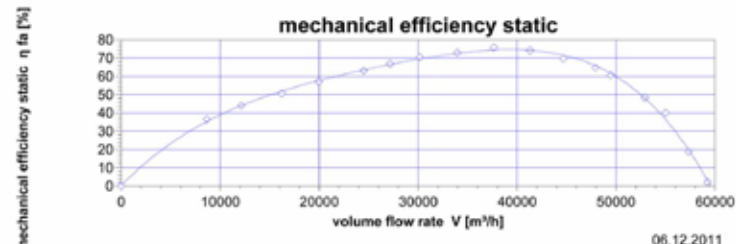
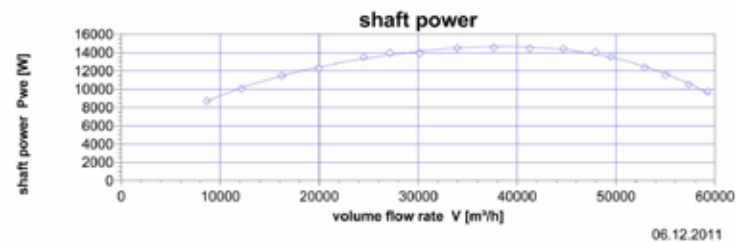
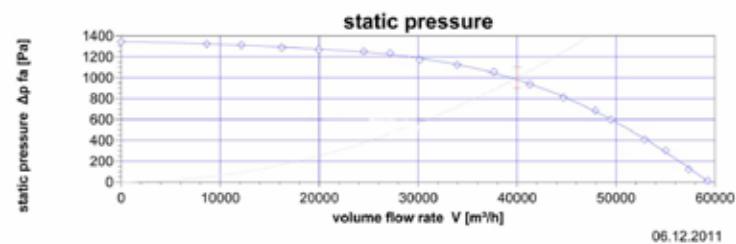
LSK-30-9-5

Specifications

Recirculating drying			
Model:	LSK-30	LSK-30	LSK-30
Buffer section	5	5	5
Drying section	9	9	9
Initial Moisture (%)	30%	28%	25%
Final Moisture (%)	13.5%	13.5%	13.5%
Ambient Temperature (°c)	30	30	30
Drying Air Temperature (°c)	75	75	75
	18%	18%	18%
	65	65	65
	15%	15%	15%
	50	50	50
Drying rate (%)	13.5%	13.5%	13.5%
	0.88	0.85	0.82
Heat Requirement (kcal/hr)	472,028	472,028	472,028
Total fuel consumption (gallon)	105	93	74
Total natural gas (M ³)	560	492	390
Holding capacity: (M ³)	40	40	40
Bulk density: (kg/M ³)	550	550	550
Material Weight: (kg)	21,860	21,860	21,860
Final Weight (kg)	17,690	18,195	18,954
Water Extracted (kg)	4,170	3,664	2,906
Total drying channel:	45	45	45
Blower Air Volume (M ³ /hr)	34,965	34,965	34,965
Drying Time (hr)	11.57	10.38	8.59

Continuous drying			
Model:	LSK-30	LSK-30	LSK-30
Buffer section	5	5	5
Drying section	9	9	9
Initial Moisture (%)	30%	23.22%	17%
Final Moisture (%)	23.22%	17%	13%
Ambient Temperature (°c)	30	30	30
Drying Air Temperature (°c)	75	65	50
Holding capacity: (M ³)	40	40	40
Bulk density: (kg/M ³)	550	550	550
Material Weight: (kg)	21,860	19,929	18,436
Final Weight (kg)	19,929	18,436	17,588
Water Extracted (kg)	1,930	1,494	848
Total drying channel:	45	45	45
Blower Air Volume (M ³ /hr)	34,965	34,965	34,965
Drying Time (hr)	4.70	4.68	4.65
Drying rate (%)	1.44	1.33	0.86
	0.88	0.85	0.82
Heat Requirement (kcal/hr)	472,028	367,133	209,790
Total fuel consumption (gallon)	49	38	21
Total natural gas (M ³)	259	200	114

*Calculation is based on the density of paddy @ 550kg/m³



measuring fan wheel speed [1/min] density [kg/m³] inlet cone unit length [mm] axle gap u [mm]
 9848 R6302 1000 x 315-E 960 1.205 ED11/1000 569 -10.0
 desired duty point: 40000 m³/h, 1000 Pa
 Measurement according to DIN 24163

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