

Development and Testing of pedal-cum-motor operated paddy cleaner

Senanayaka D.P., Rathnayake H.M.A.P., Bandara., B.D.M.P., Dissanayake., T.M.R.,
“Development and Testing of Pedal-cum-Motor operated Paddy Cleaner, Proceedings of the international Research Symposium on Postharvest Technology, Institute of Post Harvest Technology, p.146-150, June 2014.

Institute of Post Harvest Technology, Research and Development Centre, Jayanthi Mawatha, Anuradhapura.

small scale paddy processors in rural areas in Sri Lanka. The fabricated paddy cleaner is suitable for
The cost of the machine is 75,200 Lankan Rupees. Capacity of the cleaner is around 350 kg per hour. While in the pedal driving mode with the single phase motor of 1500 W, the capacity is around 150 kg per hour. A current supply of 15 A is required to operate the cleaner and operating with one man can process 9-99 kg of paddy per hour. The purity of the separated grain was in between 57% to 72% for different varieties. Advantages: 2% Screen effectiveness of 57% to 72% for different varieties.