

RETROFITTED COMPACT RICE MILL (CRM) for BROWN RICE PRODUCTION



for more information, please write, fax, call, or email:



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The CRM is intended to help farmers to produce both brown rice and white rice (polished rice) using only one equipment.

The CRM's most distinctive feature is its diverting chute which renders the CRM capable of milling rice to produce both brown rice and white rice. When diverted to the right, the de-hulled paddy is led to a polisher to produce white rice. When diverted to the left, the mixture of de-hulled and unhulled paddy is led to a paddy separator for the processing of brown rice.



Performance data of retrofitted CRM System for brown rice operation:

Item	Variety					AVE
	NSIC Rc 216	Black Rice	Dezu 300	NSIC Rc 160	NSIC Rc 298	
Moisture Content, %	11.87	11.00	11.00	12.00	12.00	11.57
Input Capacity, kg/hr	494.8	429.8	451.6	313.5	383.7	414.7
Hulling Recovery, %	69.0	67.0	73.0	67.0	65.8	68.4
Hulling Efficiency, %	71.4	79.5	68.5	74.3	68.5	72.4
Coefficient of hulling,	0.98	0.97	0.88	0.84	0.81	0.90
Coefficient of wholeness,	0.72	0.82	0.78	0.88	0.84	0.81
Energy Consumption, kW-hr per cavans of paddy	1.03	1.26	1.19	1.48	1.51	1.29

Performance data of retrofitted CRM System for milled rice operation:

Item	Variety			AVE
	NSIC Rc 216	Dezu 300	Black Rice	
Moisture Content, %	11.87%	11.00%	11.00%	11.29%
Input Capacity, kg/hr	663.30	615.10	769.70	682.70
Milling Recovery, kg/hr	63.0%	65.0%	57.0%	61.7%
Energy Consumption, kW-hr per cavans of paddy	1.03	1.22	0.78	1.01

