

Lime rotary kiln technical parameters

Design capacity (t/d)		150	200	250	300	350	400
Product		Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite
Preheater		round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater
Rotary kiln	Specification (m)	Φ2.5 × 40	Φ2.8 × 42	Φ3 × 46	Φ3.2 × 50	Φ3.5 × 54	Φ3.6 × 56
	Effective volume (m ³)	142	190	235	292	390	430
	Burning temperature (℃)	1350/1250	1350/1250	1350/1250	1350/1250	1350	1350
Cooler		Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler
Fuel		Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder
Heat rate (KJ/KgC ₃ O)		5300/5000	5300/5000	5300/5000	5300/5000	5225	5225

Design capacity (t/d)		500	600	750	800	1000
Product		Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite	Active lime Calcined dolomite
Preheater		round vertical pre-heater or polygonal vertical pre-heater	round vertical pre-heater or polygonal vertical pre-heater	Vertical Polygonpreheater	Vertical Polygonpreheater	Vertical Polygonpreheater



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Rotary kiln	Specification (m)	$\Phi 3.8 \times 58$	$\Phi 4 \times 60$ $\Phi 4.2 \times 50$	$\Phi 4.3 \times 58$	$\Phi 4.3 \times 64$	$\Phi 4.8 \times 68$
	Effective volume (m ³)	505	575/548	670	738	1005
	Burning temperature (℃)	1350	1350	1350	1350	1350
Cooler		Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler	Vertical Square Cooler
Fuel		Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder	Coal gas Coal powder
Heat rate (KJ/KgC ₃ O)		5100	5100	5100	4810	4810