

SAA series ash slurry agitators are widely used in a power plant's ash slurry tanks in boiler rooms, ash slurry tanks in the pumping station, sintering process, metallurgy, as well as agitation of slurries containing solids and for the oxidation process in sewerage systems. These systems are robust, reliable and economical to operate.



ITEM	TYPE	SAA-400	SAA-500	SAA-600	SAA-700	SAA-830
Impeller diameter		400	500	600	700	830
Speed (rpm/min)		270 - 290	260 285	275 - 240	260 - 235	235 - 255
Consistency Ratio		1:2.5	1:2.5	1:2.5	1:2.5	1:2.5
Solid Particles		≤30	≤30	≤30	≤30	≤30
Motor Power (KW)		5.5	7.5	11	15	22
Motor type		Y160M ₂	Y160L-8	Y180L-8	Y200L-8	Y225M-8
agitation quantity (m ³ /h)		500	1000	1600	2100	3600

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Impeller Design	Agitating Capacity (m ³ /h)	Viscosity (Centipoise)	Agitating Sate	Agitating Purpose	Impeller material
Flat	0.1 -100	≤2000	Vertical Cyclic, radial	Mix, liquid phase reaction, dissolution, dispersal	Carbon steel + rubber-lined, stainless steel A49
Tilted	0.1 - 100	≤2000	Axial, Radial and Cyclic	Mix, liquid phase reaction, dissolution, dispersal, solid suspension	Carbon steel + rubber-lined, stainless steel A49
Folded turbine	1 - 1000	≤5000	Similar to Axial flow: Axial and radial	Mix, liquid phase reaction, dissolution, dispersal, solid suspension	Carbon steel + rubber-lined, stainless steel A49
Push	1 -400	≤2000	Axial high circulating efficiency	Mix, solid suspension and dissolution	High Chromium alloy, stainless steel A49
Transmission	SAD1		Parallel shaft hard gear reducer drive		
	SAD2		Planetary cyclonical pin gear reducer drive		
	SAD3		Vertical cylinder gear reducer drive		

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