

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 <sub>2</sub> | Y160L-8 | Y180L-8   | Y200L-8   | Y225M-8   |
| agitation quantity (m <sup>3</sup> /h) |      | 500                | 1000    | 1600      | 2100      | 3600      |

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| Impeller Design | Agitating Capacity (m <sup>3</sup> /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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