2024 AIST Electric Arc Furnace Roundup

AIST Roundup data is based on information submitted in the third quarter of 2023. Data is supplied by the AIST Electric Steelmaking Technology Committee and is intended for reference information only. No warranty is implied. Please send updates or corrections to Anna Voss at avoss@aist.org.

Company and Location	No. of furnaces	Start-up year	Original furnace manufacturer	Furnace type	Tap-to-tap time (min.)	Avg. heat size (metric tons)	Sidewall refractory, panel, spray	Roof refractory, panel, spray	Oxy-fuel burners
Argentina									
AcerBrag SA Bragado, BA	1	2005	Danieli	Spout	—	50	—	—	No
Aceros Angeletti SA Burzaco, BA	1 ⊘	1990	EME Argentina	Spout	180	9	—	—	No
	1	2005	EME Argentina	Spout	—	25	—	—	—
Aceros Zapla SA Palpala, JY	3	—	Pescarmona	Spout; EBT	150	24	—	—	No
Acindar SA Villa Constitucion, SF	1	2007	Tenova	—	60	105	—	—	Yes
	1	2007	Tenova	—	60	105	—	—	Yes
Gerdau Ludueña Perez, SF	1	2017	Danieli	—	—	74	—	—	—
TenarisSiderca Campana, BA	1 (#4)	1995	Tenova	—	55	80	—	—	—
	1 (#5)	—	SMS Siemag	—	45	80	—	—	Yes
Australia									
InfraBuild Laverton Steel Mill Melbourne, Vic.	1	1982	Fuchs	—	55	83	Panel	Spray	Yes
Sydney Steel Mill Sydney, NSW	1	1992	Danieli	—	55	84	Panel	Spray	Yes
Moly-Cop Newcastle, NSW	1	2000	Danieli	—	77	57	Panel	Panel	Yes
Brazil									
Aperam South America Timóteo, MG	1	1953	USSC	—	240	32	—	—	No
	1	1959	SMS Siemag	—	130	29	—	—	No
Gerdau Açonorte Recife, PE	1	—	—	—	50	25	—	—	Yes
Aços Finos Piratini Charqueadas, RS	1	1973	SMS Siemag	—	80	59	—	Spray	Yes
Cearense Maracanaú, CE	1	1982	SMS Concast	—	60	20	—	—	No

⊘ idle · AC · alternating current · AK · aluminum-killed · D · delta · DC · direct current · DE · direct evacuation · DRI · direct reduced iron · E · elbow · EBT · eccentric bottom tapping · EM · electromagnetic · HBI · hot briquetted iron · HSLA · high-strength, low-alloy · LCAK · low-carbon, aluminum-killed · LCSK · low-carbon, silicon-killed · MBQ · merchant bar quality · OCTG · oil country tubular goods