

2021 AIST North American Blast Furnace Roundup

Only North American blast furnaces are listed. Roundup data is based on actual 2020 operating data.

Company and location	Furnace ID	Furnace characteristics							Burden (kg/tHM)		
		Hearth dia. (m)	Working vol. (m ³)	Top pressure (atm-g)	Charging method	Actual 2020 hours operated	Actual 2020 production (tHM)	Actual 2020 specific production rate (tHM/m ³ WV-24 hrs)	Fluxed pellets	Acid pellets	Sinter

Canada

Algoma Steel Inc. Sault Ste. Marie, Ont.	7	10.67	2,478	1.4	Skip	7,707	1,888,565	2.4	1,185	340	0
ArcelorMittal Dofasco G.P. Hamilton, Ont.	2	7.33	1,062	0.7	Belt	6,914	615,011	2.0	1,015	478	0
	3	6.61	925	0.5	Skip	1,474	102,867	1.8	1,024	472	0
	4	8.53	1,609	0.7	Skip	7,857	1,209,603	2.3	994	485	0
Stelco Inc. Lake Erie Works Nanticoke, Ont.	1	10.29	2,418	1.0	Belt	5,969	1,406,915	2.3	477	1,052	0

Mexico

AHMSA Monclova, Coah.	5	11.20	2,210	1.5	Belt	7,422	1,537,837	2.3	1,102	0	478
	6*	8.41	1,392	1.2	Belt	187	22,861	2.1	633	0	813
ArcelorMittal Mexico Lázaro Cárdenas, Mich.	1	8.99	1,712	1.1	Belt	8,157	1,140,322	2.0	1,492	66	0

United States

Cleveland-Cliffs Inc. AK Steel–Dearborn Works Dearborn, Mich.	C	9.22	1,797	0.9	Belt	5,764	1,254,756	2.9	1,573	0	0
AK Steel–Middletown Works Middletown, Ohio	3	9.17	1,493	0.7	Skip	8,157	1,892,191	3.7	1,123	348	0
Burns Harbor, Ind.	C	10.73	2,645	1.0	Belt	6,898	1,867,400	2.5	0	1,074	220
	D	10.82	2,600	0.9	Belt	6,649	1,716,567	2.4	0	1,193	113
Cleveland Works LLC Cleveland, Ohio	5	8.99	1,546	0.5	Skip	8,143	1,447,032	2.8	0	1,466	0
	6*	8.99	1,598	—	Skip	0	0	—	—	—	—
Indiana Harbor East East Chicago, Ind.	IH - 7	13.72	4,163	2.0	Belt	8,382	3,222,809	2.2	1,388	0	156
Indiana Harbor West East Chicago, Ind.	IH - 3*	8.99	1,586	—	Skip	0	0	—	—	—	—
	IH - 4	9.98	2,044	0.5	Skip	4,772	1,061,296	2.6	151	1,202	102
United States Steel Corporation Gary Works Gary, Ind.	4	8.79	1,496	0.4	Skip	2,555	330,337	2.1	1,407	44	1
	6	8.53	1,506	0.4	Skip	6,567	1,002,159	2.4	1,221	153	76
	8	7.80	1,299	0.4	Skip	5,310	655,443	2.3	1,183	232	45
	14	11.73	3,244	1.4	Skip	8,369	1,977,119	1.8	1,315	0	280
Granite City Works Granite City, Ill.	A	8.31	1,435	0.4	Skip	1,885	230,148	2.1	0	1,388	0
	B	8.31	1,402	0.5	Skip	8,037	1,272,139	2.7	835	613	0
Great Lakes Works Ecorse, Mich.	B*	8.78	1,645	—	Skip	0	0	—	—	—	—
	D*	8.53	1,666	—	Skip	1,929	328,900	2.5	1,496	0	0
Mon Valley Works Edgar Thomson Plant Braddock, Pa.	1	8.79	1,541	0.4	Skip	7,165	1,111,809	2.4	1,247	204	0
	3	7.70	1,380	0.4	Skip	7,868	954,168	2.1	1,237	198	0

* = idled; C (injectant type) = coal; COG = coke oven gas; NG = natural gas; tHM = metric ton of hot metal; WV = working volume
Interested in becoming a member of the AIST Ironmaking Technology Committee? Contact Anna Voss at avoss@aist.org.