

2020 AIST North American Blast Furnace Roundup

Only North American blast furnaces are listed. Roundup data is based on actual 2019 operating data.

Company and location	Furnace	Furnace characteristics							Burden (kg/tHM)		
		Hearth diam. (m)	Working vol. (m ³)	Top pressure (atm-g)	Charging method	Actual 2019 hours operated	Actual 2019 production (tHM)	Actual 2019 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	7,995	1,978,583	2.4	1,184	330	0
ArcelorMittal Dofasco G.P. Hamilton, Ont.	2	7.33	1,062	0.7	Belt	7,658	638,605	1.9	1,035	481	0
	3	6.61	925	0.5	Skip	7,460	605,110	2.1	982	448	0
	4	8.53	1,609	0.7	Skip	7,544	1,142,543	2.3	1,020	463	0
Stelco Inc. Lake Erie Works Nanticoke, Ont.	1	10.29	2,418	1.0	Belt	7,849	1,955,113	2.5	453	1,057	0

Mexico

AHMSA Monclova, Coah.	5	11.20	2,210	1.3	Belt	7,187	1,795,092	2.7	1,381	25	125
	6	8.41	1,392	1.2	Belt	7,654	1,195,242	2.7	632	0	703
ArcelorMittal Mexico Lázaro Cárdenas, Mich.	1	8.99	1,712	1.1	Belt	6,948	1,038,547	2.1	1,391	78	0

United States

AK Steel Corp. Dearborn, Mich.	C	9.22	1,797	0.9	Belt	7,783	1,713,287	2.9	1,536	0	0
	Middletown, Ohio	3	9.17	1,493	0.7	Skip	8,366	1,998,160	3.8	1,130	346
ArcelorMittal USA Burns Harbor, Ind.	C	10.73	2,645	1.0	Belt	7,103	1,794,288	2.3	0	1,196	369
	D	10.82	2,600	0.9	Belt	7,618	1,987,043	2.4	0	1,191	359
Cleveland, Ohio	5	8.99	1,546	0.5	Skip	8,217	1,386,683	2.6	0	1,466	0
	6	8.99	1,598	0.5	Skip	7,902	1,249,534	2.4	0	1,476	0
Indiana Harbor East East Chicago, Ind.	IH - 7	13.72	4,163	2.0	Belt	8,241	3,144,520	2.2	1,378	0	178
Indiana Harbor West East Chicago, Ind.	IH - 3	8.99	1,586	0.4	Skip	6,160	695,604	1.7	0	1,341	112
	IH - 4	9.98	2,044	0.5	Skip	6,941	1,395,977	2.4	0	1,353	127
United States Steel Corporation Gary Works Gary, Ind.	4	8.79	1,496	0.4	Skip	7,625	1,009,805	2.1	900	446	107
	6	8.53	1,506	0.3	Skip	7,253	1,012,512	2.2	1,031	292	151
	8	7.80	1,299	0.3	Skip	4,015	455,038	2.1	868	215	138
	14	11.73	3,244	1.1	Skip	7,819	1,828,933	1.7	1,251	0	363
Granite City Works Granite City, Ill.	A	8.31	1,435	0.4	Skip	6,452	799,585	2.1	0	1,408	0
	B	8.31	1,402	0.5	Skip	6,890	942,599	2.3	0	1,442	0
Great Lakes Works Ecorse, Mich.	B	8.78	1,645	0.4	Skip	3,155	444,881	2.1	1,487	0	0
	D	8.53	1,666	0.5	Skip	7,729	1,240,899	2.3	1,487	0	0
Mon Valley Works Edgar Thomson Plant Braddock, Pa.	1	8.79	1,541	0.4	Skip	7,482	1,118,792	2.3	1,145	282	0
	3	7.70	1,380	0.4	Skip	6,584	802,487	2.1	1,169	273	0

C (injectant type) = coal; NG = natural gas; tHM = metric ton of hot metal; COG = coke oven gas

Interested in becoming a member of the AIST Ironmaking Technology Committee? Contact Anna Voss at avoss@aist.org.