SICME ITALIA IMPIANTI MC

ELECTRIC HORIZONTAL ENAMELLING MACHINE

PRODUCTION OUTPUT VALID FOR 2 LINES

				PEI grade 1				PU grade 1				
		IEC [mm]	AWG	[m/min]	VxD	[Kgh]	[mTons per month]	[m/min]	VxD	[Kgh]	[mTons per month]	Usage [Kwh/kg]
Compact 160	Copper	0,160	34	1095	175	24	17	1114	178	24	17	1,6
		0,180	33	974	175	26	19	992	179	27	19	1,5
		0,200	32	870	174	29	21	886	177	30	21	1,3
		0,224	31	770	172	32	23	787	176	33	24	1,1
		0,250	30	687	172	36	26	702	176	37	26	0,9
		0,280	29	625	175	41	30	637	178	42	30	0,7
		0,315	28	550	173	46	33	560	176	47	34	0,6
	Aluminum	IEC [mm]	AWG	[m/min]	VxD	[Kgh]	[mTons per month]	[m/min]	VxD	[Kgh]	[mTons per month]	Usage [Kwh/kg]
		0,250	30	520	130	8	6	545	136	9	6	2,6
		0,280	29	457	128	9	7	480	134	10	7	2,5
		0,315	28	395	124	10	7	416	131	10	8	2,3
		0,355	27	357	127	11	8	377	134	12	9	2,1
		0,400	26	315	126	13	9	333	133	14	10	1,9
		0,450	25	275	124	14	10	291	131	15	11	1,6
		0,500	24	242	121	15	11	254	127	16	12	1,4
		0,560	23	216	121	17	12	228	128	18	13	1,1
Compact 200	Copper	IEC [mm]	AWG	[m/min]	VxD	[Kgh]	[mTons per month]	[m/min]	VxD	[Kgh]	[mTons per month]	Usage [Kwh/kg]
		0,200	32	1080	216	36	26	1100	220	37	27	1,05
		0,224	31	958	215	40	29	976	219	41	30	0,90
		0,250	30	865	216	45	33	881	220	46	33	0,78
		0,280	29	753	211	49	36	768	215	50	36	0,67
		0,315	28	661	208	55	40	675	213	56	40	0,60
		0,355	27	582	207	61	44	595	211	63	45	0,56
		0,400	26	510	204	68	49	522	209	70	50	0,54
		0,450	25	444	200	75	54	455	205	77	56	0,52
		0,500	24	398	199	83	60	408	204	86	62	0,50
	Aluminum	IEC [mm]	AWG	[m/min]	VxD	[Kgh]	[mTons per month]	[m/min]	VxD	[Kgh]	[mTons per month]	Usage [Kwh/kg]
		0,355	27	444	158	14	10	467	166	15	11	1,60
		0,400	26	393	157	16	11	414	166	17	12	1,50
		0,450	25	345	155	18	13	364	164	19	13	1,40
		0,500	24	305	153	19	14	322	161	20	15	1,30
		0,560	23	269	151	21	15	284	159	23	16	1,20
		0,630	22	239	151	24	17	252	159	25	18	1,10
		0,710	21	210	149	27	19	221	157	28	20	0,98
		0,800	20	182	146	30	21	191	153	31	22	0,86

PRODUCTION OUTPUT VALID FOR 2 LINES

Compact 300

Copper

IEC [mm]	AWG	PEI grade 1 [m/min]	PEI grade 1 VxD	PEI grade 1 [Kgh]	PEI grade 1 [mTons per month]	PU grade 1 [m/min]	PU grade 1 VxD	PU grade 1 [Kgh]	PU grade 1 [mTons per month]	Usage [Kwh/kg]
0,355	27	582	207	61	44	595	211	63	45	0,56
0,400	26	510	204	68	49	522	209	70	50	0,54
0,450	25	444	200	75	54	455	205	77	56	0,52
0,500	24	398	199	83	60	408	204	86	62	0,50
0,560	23	348	195	91	66	355	199	93	67	0,50
0,630	22	304	192	101	73	310	195	103	74	0,49
0,710	21	261	185	110	79	266	189	112	81	0,49
0,800	20	228	182	122	88	233	186	125	90	0,48

Aluminum

IEC [mm]	AWG	PEI grade 1 [m/min]	PEI grade 1 VxD	PEI grade 1 [Kgh]	PEI grade 1 [mTons per month]	PU grade 1 [m/min]	PU grade 1 VxD	PU grade 1 [Kgh]	PU grade 1 [mTons per month]	Usage [Kwh/kg]
0,500	24	305	153	19	14	322	161	20	15	1,30
0,560	23	269	151	21	15	284	159	23	16	1,20
0,630	22	239	151	24	17	252	159	25	18	1,10
0,710	21	210	149	27	19	221	157	28	20	0,98
0,800	20	182	146	30	21	191	153	31	22	0,86
0,900	19	160	144	33	24	167	150	34	25	0,76
1,000	18	139	139	35	25	145	145	37	26	0,68
1,250	17	105	131	42	30	110	138	44	31	0,60

Compact 500

Copper

IEC [mm]	AWG	PEI grade 1 [m/min]	PEI grade 1 VxD	PEI grade 1 [Kgh]	PEI grade 1 [mTons per month]	PU grade 1 [m/min]	PU grade 1 VxD	PU grade 1 [Kgh]	PU grade 1 [mTons per month]	Usage [Kwh/kg]
0,500	24	398	199	83	60	408	204	86	62	0,50
0,560	23	348	195	91	66	355	199	93	67	0,50
0,630	22	304	192	101	73	310	195	103	74	0,49
0,710	21	261	185	110	79	266	189	112	81	0,49
0,800	20	228	182	122	88	233	186	125	90	0,48
0,900	19	180	162	122	88	187	168	127	91	0,48
1,000	18	150	150	126	91	155	155	130	94	0,47
1,250	17	106	133	139	100	110	138	144	104	0,47

Aluminum

IEC [mm]	AWG	PEI grade 1 [m/min]	PEI grade 1 VxD	PEI grade 1 [Kgh]	PEI grade 1 [mTons per month]	PU grade 1 [m/min]	PU grade 1 VxD	PU grade 1 [Kgh]	PU grade 1 [mTons per month]	Usage [Kwh/kg]
0,710	21	210	149	27	19	221	157	28	20	0,98
0,800	20	182	146	30	21	191	153	31	22	0,86
0,900	19	160	144	33	24	167	150	34	25	0,76
1,000	18	139	139	35	25	145	145	37	26	0,68
1,250	17	105	131	42	30	110	138	44	31	0,60
1,400	15 ½	84	118	42	30	89	125	44	32	0,58
1,600	14	70	112	45	33	74	118	48	35	0,56
1,800	13	56	101	46	33	59	106	48	35	0,54

Plant running speeds depend on various factors such as enamel characteristics, wire quality, number of passes and so on. Under normal running conditions, the plant will run the above indicated speed when using good quality materials and enamels by us suggested having solid content in this range 35-39% for PEI and 30-36% for PU. The final quality level is in compliance with the IEC standards. During commissioning acceptance test will be considered positive if production speeds values will be reached at 85%. Values for Grade 2 application, above guaranteed figures will be reduced by 10%. Values for second enamel (PAI or NY), above guaranteed figures will be reduced by 15% Values for self-bonding, above guaranteed figures will be reduced by 20% Information is correct and accurate to the best of our knowledge; it is given in good faith and it does not bear any legal value.