

HESF 3

HORIZONTAL SINGLE LINE WIRE ENAMELLING MACHINE

DIMENSION RANGE



HESF3/2-2/35 F
 HESF3/4-4/35 F
 HESF3/2-3/35+15 F

0.1 - 0.25 mm / awg 38 - 30

The horizontal HESF3 enamelling machine is the latest progressive standard of a perfect solution for the production of base and over-coated wires with single line oven system. It works with up to three different enamels with equal baking conditions. The single line concept gives a high reliability, which speaks for efficiency, flexibility and perfect quality. Equipped with semiautomatic string-in.

● Number of lines □ Number of ovens F = felt

TECHNICAL DATA

PRODUCTION DATA

Speed range	0 - 1,500 m/min.
Sizes of finished wire reels	max. 315 mm
Max. inlet diameter	1.4 mm

RATED POWER

	for 1 line*
Total rated power	62 kW (thermal and motive)

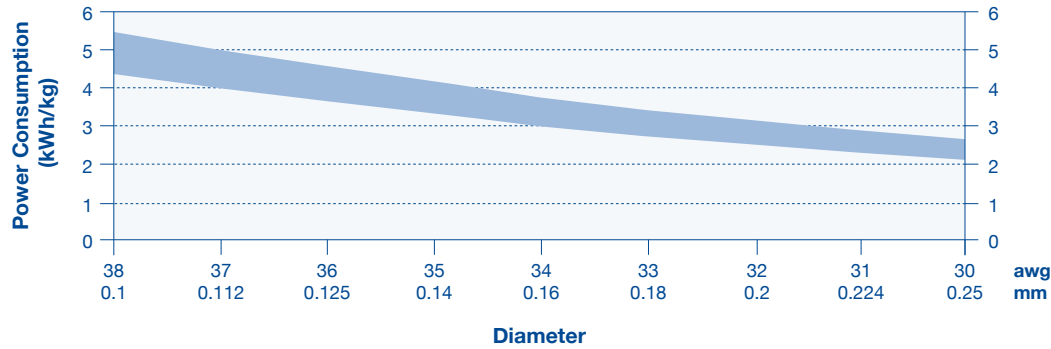
MECHANICAL

Max. number of enamel passes	max. 35 (up to 3 enamels) 50 selfbond
Oven-length	6.4 m
Annealer-length	9 m
Machine width max.	2.2 m
Machine length (excl. spooler, pay-off, drawing mc)	11.8 m

* not valid for SB-machines

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POWER CONSUMPTION*



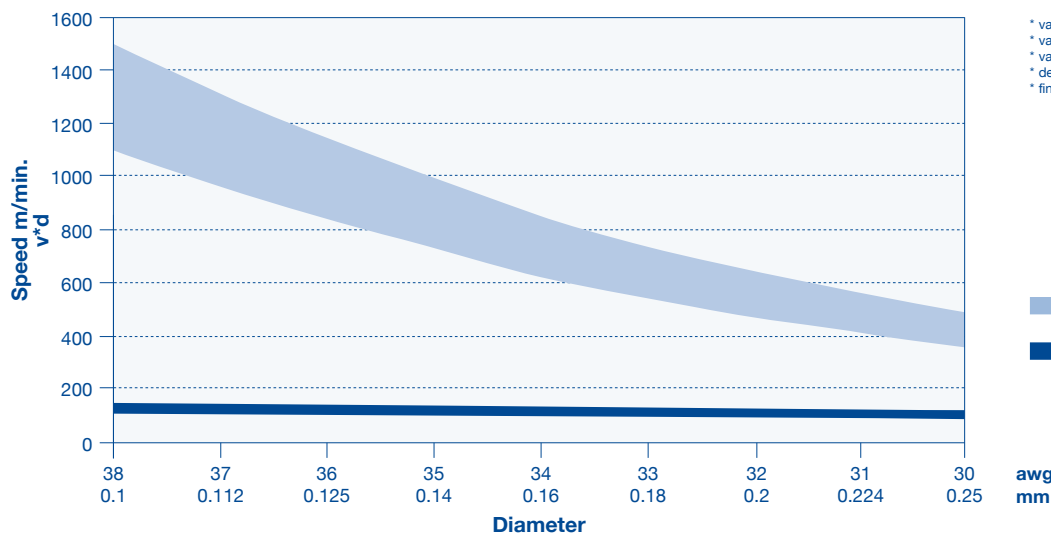
* values valid for:
 PEI G1, 25% SC, 26°C ambient temperature, depending on number of enamel tanks, wire inlet diameter, drawing die sequence, enamelling die sequence and number of lines.
 Performance (VD) of the machine according MAG Machine-Performance table as well as based on the Tangent Delta Value of the enamel supplier of the used standard enamel.

The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

OUTPUT-TABLE

4 lines			
(diameter)	(diameter)	(kg/24h)	(kg/24h)
mm	awg	PU	PEI
0.1	38	600	440
0.112	37	660	480
0.125	36	720	530
0.14	35	780	580
0.16	34	880	640
0.18	33	960	710
0.2	32	1,040	760
0.224	31	1,130	830
0.25	30	1,230	900

PERFORMANCE DATA*



* values for Grade 2 application are approx. 5% lower
 * values for Al Overcoat are approx. 5% lower than PEI
 * values for NY Overcoat are approx. 5% lower than PU
 * depend on suitable production materials and conditions
 * final production quality apply to IEC/NEMA Standard

All data herein are subject to modifications without prior notice due to technical progress. Version 03/12