



# 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

• Number of lines    □ Number of ovens    F = felt

**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 a single line oven system. It works with up to three different enamels with equal baking conditions. The single line concept offers high reliability, which speaks for efficiency, flexibility and perfect quality. Equipped with a semiautomatic string-in.

### 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

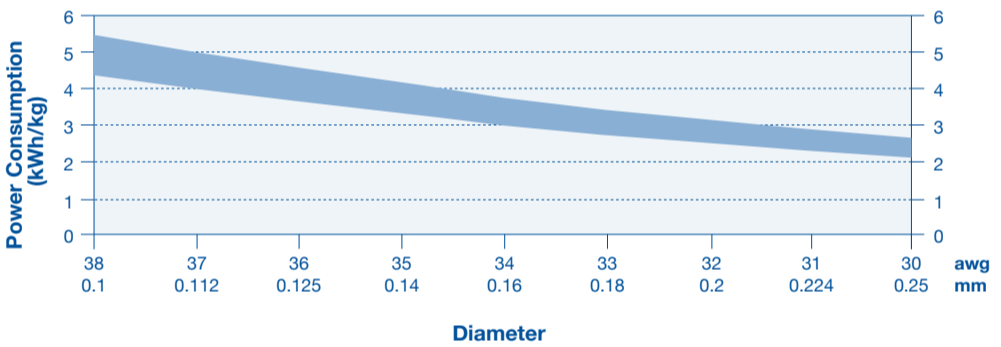
Annealer-length 9 m

Machine width max. 2.2 m

Machine length (excl. spooler, pay-off, drawing mc) 11.8 m

\* not valid for SB-machines

### 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, enamel-

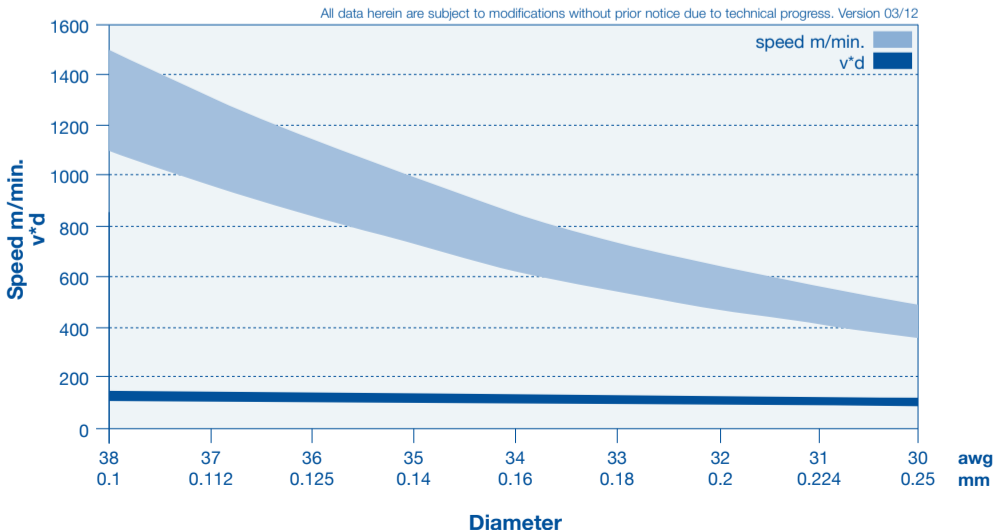
ling die sequence and number of lines.  
Performance (VD) of the machine according  
MAG Machine-Performance table as well as  
based on the Tangent Delta Value of the enamel

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 AI 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