

HESF 1

HORIZONTAL SINGLE LINE WIRE ENAMELLING MACHINE

DIMENSION RANGE



HESF1/1-1/30 F

- Number of lines
- Number of ovens
- F = felt

0.05 – 0.12 mm / awg 44 – 36.5

The horizontal HESF1 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 two different enamels with equal baking conditions. The single line concept offers high reliability, efficiency, flexibility and perfect quality. This single line machine is available with one baking tube in one oven body.

TECHNICAL DATA

PRODUCTION DATA

Speed range	0 – 1500 m/min.
Sizes of finished wire reels	max. 250 mm
Max. inlet diameter (0.3)	0.13 – 0.32 mm

RATED POWER for 1 line

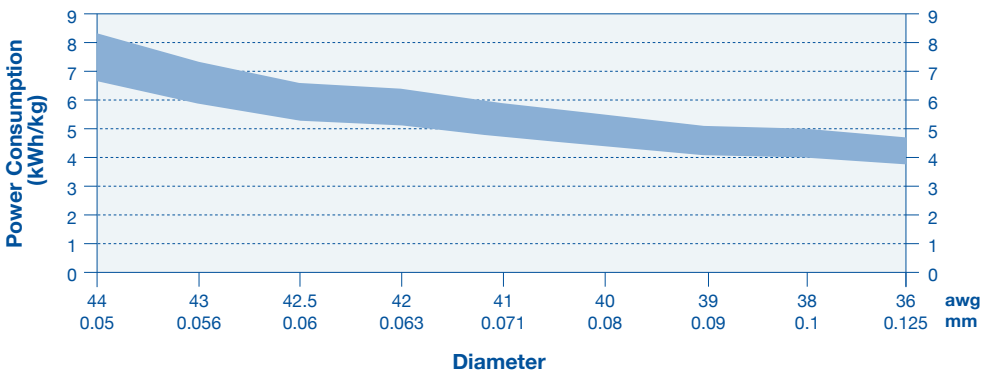
Total rated power	53 kW (thermal and motive)
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MECHANICAL

Max. number of enamel passes	max. 30 (up to 2 enamels)
Oven-length	2.8 m
Annealer-length	5.25 m
Machine width max.	1.1 m
Machine length (excl. spooler, pay-off, drawing mc)	6 m

* not valid for SB-machines

POWER CONSUMPTION*



* values valid for:

PEI G1, 18% 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.

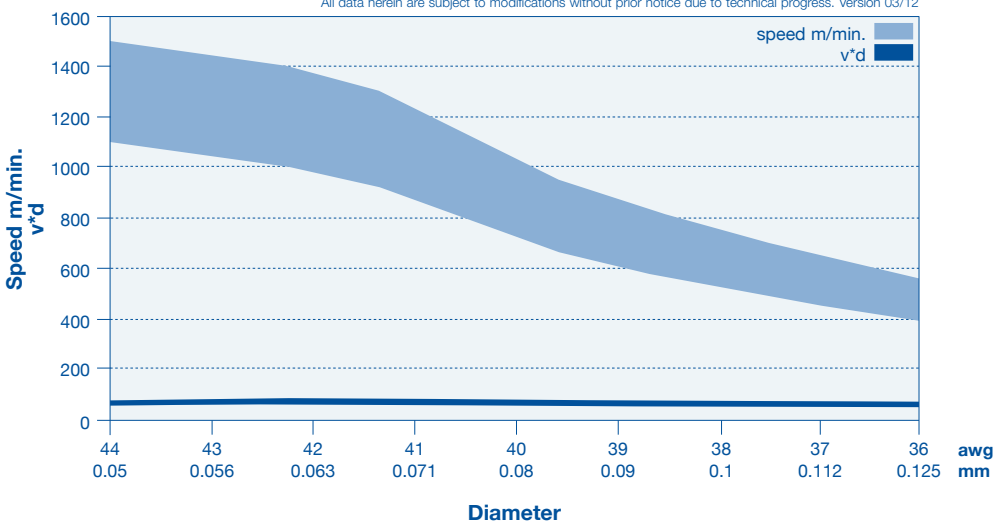
The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

OUTPUT-TABLE

1 line			
(diameter)	(diameter)	(kg/24h)	(kg/24h)
mm	awg	PU	PEI
0.05	44	40	30
0.056	43	50	30
0.06	42.5	50	40
0.063	42	50	40
0.071	41	60	40
0.08	40	60	40
0.09	39	70	50
0.1	38	70	50
0.112	37	80	60
0.125	36	90	60

PERFORMANCE DATA*

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



* 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

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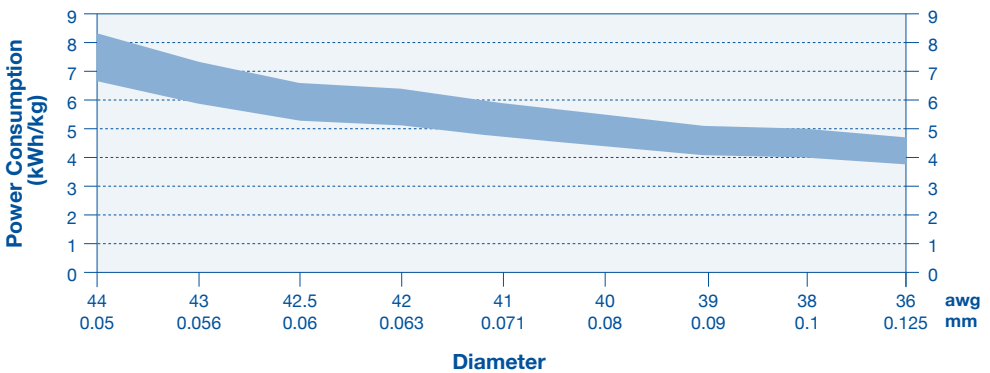
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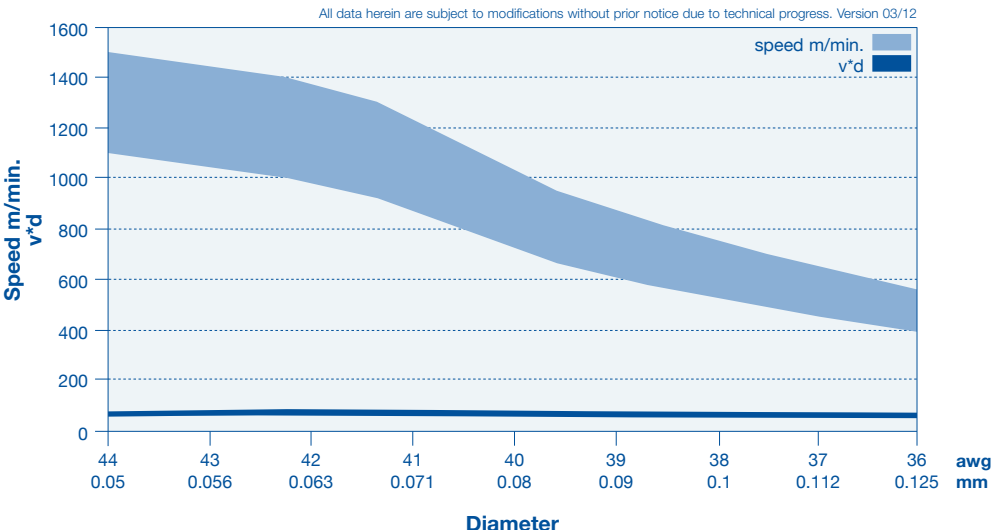
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