

HESF 1

HORIZONTAL SINGLE LINE WIRE ENAMELLING MACHINE

DIMENSION RANGE

HESF1/1-1/30 F

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 gives a high reliability, which speaks for efficiency, flexibility and perfect quality. This single line machine is available with one baking tube in one ovenbody.

• 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. 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) |
|-------------------|----------------------------|

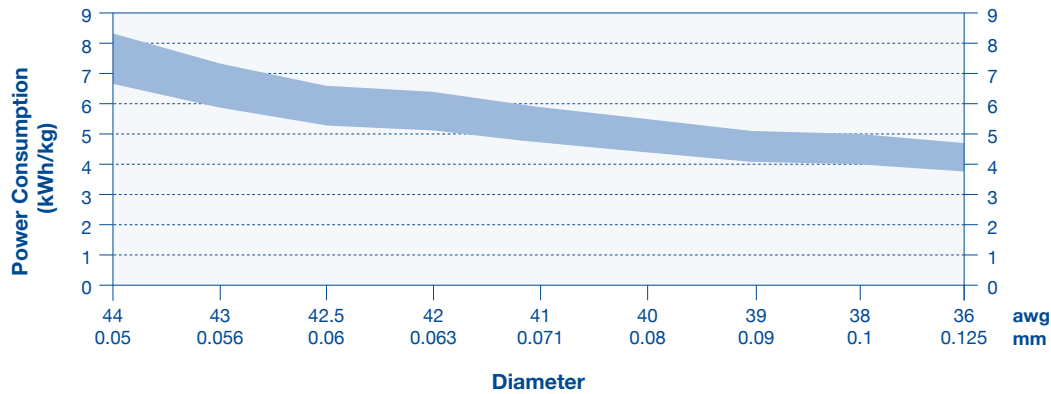
MECHANICAL

| | |
|---|---------------------------|
| 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

HESF 1

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, 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.

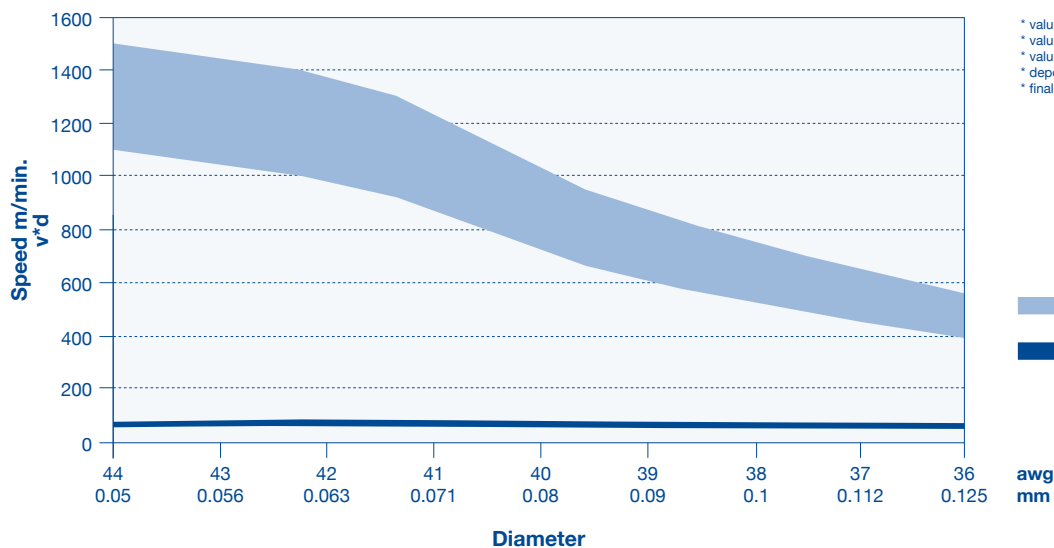
The information given is correct to the best of our knowledge. It is offered in good faith but without guarantee in the legal sense.

OUTPUT-TABLE

1 line

| (diameter) mm | (diameter) awg | (kg/24h) PU | (kg/24h) 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*



* 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

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