

# OD74.1mm/2.91inches

## Magnetic Dimensions

| Before Coating   |                  |                  | After Coating    |                  |                  | $l_e$<br>in/cm | $A_e$<br>in <sup>2</sup> /cm <sup>2</sup> | $V$<br>in <sup>3</sup> /cm <sup>3</sup> | $W$<br>in <sup>2</sup> /cm <sup>2</sup> |
|------------------|------------------|------------------|------------------|------------------|------------------|----------------|---|---|---|
| OD(Max)<br>in/mm | ID(Min)<br>in/mm | Ht(Max)<br>in/mm | OD(Max)<br>in/mm | ID(Min)<br>in/mm | Ht(Max)<br>in/mm |                |   |   |   |
| 2.917<br>74.80   | 1.783<br>45.30   | 1.378<br>35.00   | 2.961<br>75.20   | 1.735<br>44.07   | 1.428<br>36.27   | 7.24<br>18.38  | 0.781<br>5.040                            | 5.653<br>92.64                          | 2.364<br>15.25                          |

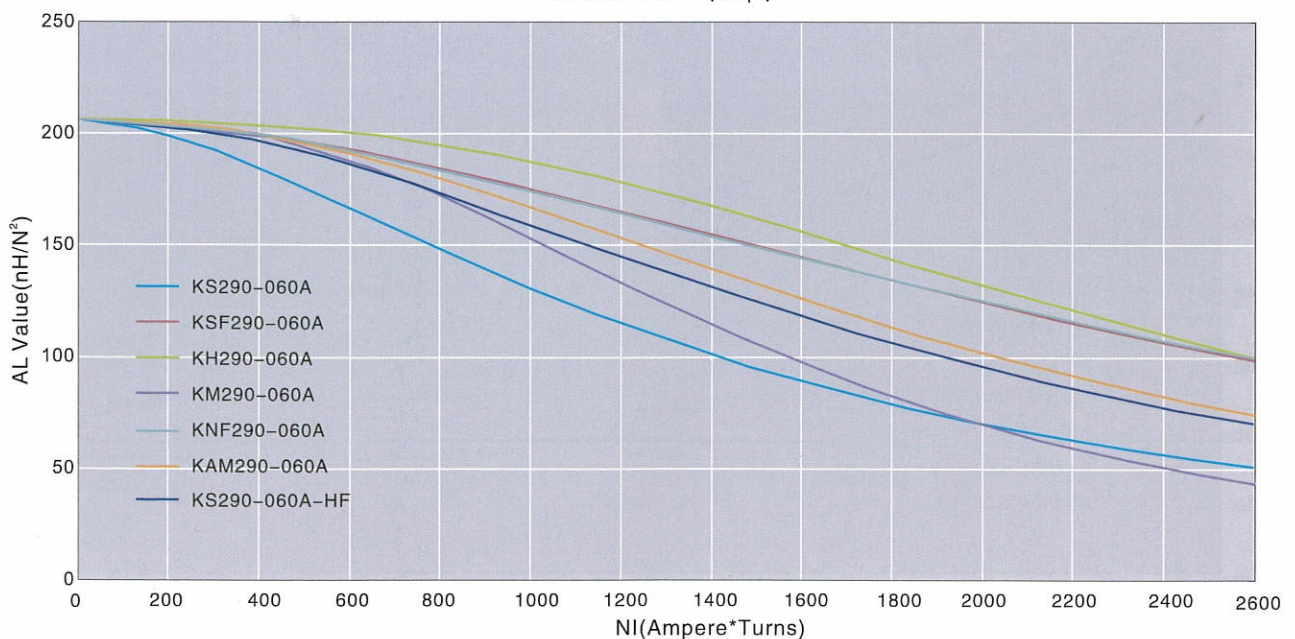
## Dimensions Table

| KDM Part No. |                    |            |            |                       |             |               | Perm.<br>( $\mu$ ) | $A_L$<br>$\pm 8\%$ |
|--------------|--------------------|------------|------------|-----------------------|-------------|---------------|--------------------|--------------------|
| Sendust      | Si-Fe <sup>®</sup> | High Flux  | MPP        | Neu Flux <sup>®</sup> | KAM         | KS-HF         |                    |                    |
| KS290-026A   | KSF290-026A        | KH290-026A | KM290-026A | KNF290-026A           | KAM290-026A | KS290-026A-HF | 26                 | 89                 |
| KS290-060A   | KSF290-060A        | KH290-060A | KM290-060A | KNF290-060A           | KAM290-060A | KS290-060A-HF | 60                 | 206                |
| KS290-075A   | KSF290-075A        | —          | —          | KNF290-075A           | KAM290-075A | KS290-075A-HF | 75                 | 257                |
| KS290-090A   | KSF290-090A        | —          | —          | KNF290-090A           | KAM290-090A | KS290-090A-HF | 90                 | 309                |
| KS290-125A   | —                  | KH290-125A | KM290-125A | —                     | KAM290-125A | KS290-125A-HF | 125                | 429                |

## Magnet Wire Winding Data

| AWG Wire |          | Single Layer |               | AWG Wire |          | Single Layer |               | AWG Wire |          | Single Layer |               |
|----------|----------|--------------|---------------|----------|----------|--------------|---------------|----------|----------|--------------|---------------|
| No.      | Dia.(cm) | Turns        | Rdc, $\Omega$ | No.      | Dia.(cm) | Turns        | Rdc, $\Omega$ | No.      | Dia.(cm) | Turns        | Rdc, $\Omega$ |
| 10       | 0.267    |              |               | 16       | 0.137    |              |               | 22       | 0.0701   |              |               |
| 11       | 0.238    |              |               | 17       | 0.122    |              |               | 23       | 0.0632   |              |               |
| 12       | 0.213    | N.A          | N.A           | 18       | 0.109    | N.A          | N.A           | 24       | 0.0566   | N.A          | N.A           |
| 13       | 0.190    |              |               | 19       | 0.0980   |              |               | 25       | 0.0505   |              |               |
| 14       | 0.171    |              |               | 20       | 0.0879   |              |               | 26       | 0.0452   |              |               |
| 15       | 0.153    |              |               | 21       | 0.0785   |              |               | 27       | 0.0409   |              |               |

$A_L$  vs NI Curve(60  $\mu$ )



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