

TECHNICAL DATA SHEET

# FLENDER

D59-LE90SM4P

## Motor IAF AOD 2/3

### Identification and electrical Specifications

|                       |                     |
|-----------------------|---------------------|
| Manufacturer          | <b>FLENDER</b>      |
| Full type designation | <b>D59-LE90SM4P</b> |
| Number of poles       | <b>4-pole</b>       |

### Mechanical Specifications

|                             |                                |
|-----------------------------|--------------------------------|
| Degree of protection (K01)  | <b>IP55</b>                    |
| Moment of inertia Jmot      | <b>0.00360 kgm<sup>2</sup></b> |
| Terminal box position (M68) | <b>4B</b>                      |
| Mounting position (D01)     | <b>M1</b>                      |

### Thermal Specifications

|               |                |
|---------------|----------------|
| Thermal class | <b>155 (F)</b> |
|---------------|----------------|

### Gearbox Specifications

|                       |                             |
|-----------------------|-----------------------------|
| Mounting type gearbox | <b>Housing flange</b>       |
| Output shaft          | <b>H1.5" (Hollow shaft)</b> |
| Transmission ratio    | <b>152.51 (17081 / 112)</b> |

### Performance Specifications

|                |                    |
|----------------|--------------------|
| Nominal torque | <b>1,000.00 Nm</b> |
|----------------|--------------------|

### Lubrication Specifications

|                |                              |
|----------------|------------------------------|
| Gear oil (K06) | <b>Mineral oil CLP VG220</b> |
| Oil charge     | <b>3.0 l</b>                 |

### Operating Conditions

|                         |                       |
|-------------------------|-----------------------|
| Environment temperature | <b>-15 ... +40 °C</b> |
|-------------------------|-----------------------|

### Physical Specifications

|                    |                |
|--------------------|----------------|
| Weight without oil | <b>48.9 kg</b> |
|--------------------|----------------|

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