



# MOTOR DATA SHEET

**MOTOR PART CODE:**

**1.543TECAB5-IE2**

**FRAME SIZE:**

**90L-4**

|                       | 50Hz        |
|-----------------------|-------------|
| Output (kW)           | 1.5         |
| Rotation Speed (rpm)  | 1420        |
| Voltage               | 230/400     |
| Full Load Current (A) | 6.38   3.68 |
| Full Load Torque (Nm) | 10.08802817 |

|                       | 60Hz        |
|-----------------------|-------------|
| Output (kW)           | 1.8         |
| Rotation Speed (rpm)  | 1704        |
| Voltage               | 276   480   |
| Full Load Current (A) | 6.38   3.68 |
| Full Load Torque (Nm) | 8.41        |

## Efficiency Data

| 100% | 75%  | 50%  |
|------|------|------|
| 82.8 | 83.4 | 81.9 |

|                    |               |
|--------------------|---------------|
| Factory Reference  | MS2 90L-4     |
| Tst/Tn (times)     | 3             |
| Tmax/Tn            | 3.1           |
| Noise (dB)         | 61            |
| Moment of inertia  | 0.00370931    |
| Type of feet       | Not Fitted    |
| Protection         | IP55          |
| Rotation Direction | F / R         |
| Cable Glands       | 1 - M20 × 1.5 |
| Paint Colour       | RAL 7024      |
| Efficiency         | IE2           |
| Bearing (DE)       | 6205 2RS C3   |

|                     |                 |
|---------------------|-----------------|
| Power Factor (cos)  | 0.71            |
| Tmin/Tn             | 2.7             |
| Ist/In (Times)      | 6.2             |
| Net Weight (Kg)     | 16.9            |
| Housing material    | Aluminum        |
| Insulation Class    | F               |
| Thermal Protection  | PTC 130°C       |
| Duty Cycle          | S1              |
| Cooling             | IC411           |
| Ambient Temperature | -20°C to + 40°C |
| Bearing Brand       | NSK             |
| Bearing (NDE)       | 6205 2RS C3     |

*Motors designed and manufactured in accordance with:*

**IEC 60034  
IEC 60038  
IEC 60072  
2014/30/EU (EMC)  
2014/35/EU (LVD)  
2011/65/EU (RoHS 2)**

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