

Warehouse Logistics – NORD DRIVESYSTEMS Factsheet

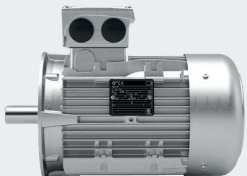

# IE3 or IE5+?

# A comparison in numbers

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IE3 asynchronous motor or IE5+ synchronous motor? In a drive system with a NORDAC ON frequency inverter and a NORD gear unit, both meet the requirements of warehouse logistics.

We have summarized the differences between the two motor types for you here, in addition to the different investment costs:

TYPE	MOTOR	DIMENSIONS	WEIGHT	EFFICIENCY*	ENERGY CONSUMPTION
IEC 80 SP/4 (87 Hz) <b>IE3</b> 0.95 kW		276 mm  up to <b>-17%</b>	9.7 kg  up to <b>-28%</b>	75 %  up to <b>+16%</b>	4.27 kWh/day 1280.35 kWh/year  up to <b>-11%</b>
IEC 71 F2/8 <b>IE5+</b> 1.0 kW		228 mm	7.0 kg	91 %	3.83 kWh/day 1148.04 kWh/year

## Our efficiency test was carried out under these conditions:

- Operating hours: 16 h/day
- Operating days: 6 days/week
- Operating days: 300 days/year
- Operating hours: 4800 h/year

\* Efficiency measured at 75 % speed and 50 % load