

Warehouse Logistics – NORD DRIVESYSTEMS Factsheet

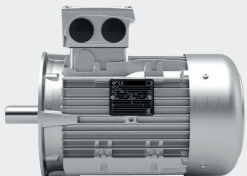

IE3 or IE5+?

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) IE3 1.27 HP		276 mm up to -17%	9.7 kg up to -28%	75 % up to +16%	5.73 HPh 1717 HPh up to -11%
IEC 71 F2/8 IE5+ 1.34 HP		228 mm	7.0 kg	91 %	5.14 HPh 1540 HPh

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