



ELECTRIC DRIVES

FOR EVERY DEMAND



High-speed drives

Performance from speed



- High performance

- Use with inverter

- Compact and

High-speed drives optimise your application

Select from our existing portfolio

	W41R 132SX 2	W41R 132S 2	W41R 112MY 2	W41R 112MY 2	WD4R 112MX 2
Frequency (Hz)	100	120	200	220	250
Speed (rpm)	6,000	7,200	12,000	13,200	15,000
Power (kW)	15.0	20.0	11.0	11.0	18.5
Number of poles	2	2	2	2	2

Advanced winding

- very good winding insulation
- high dielectric strength (IVIC C)
- FI operation

Precise balancing

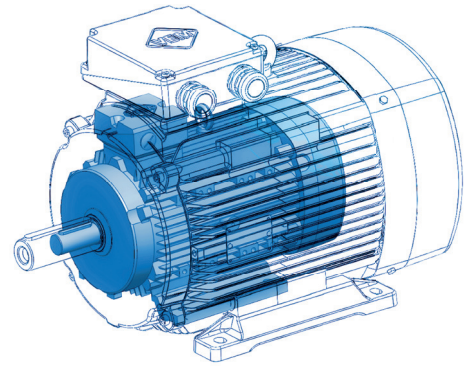
- partly with independent fan mounted

High bearing life

- use of hybrid bearings
- use of special lubricants

lightweight

- Less material



Comparison

	IE3-W43R 160 L 2	WD4R 112MX 2
P (kW)	18.5	18.5
n (rpm)	2945	14830
J (kgm ²)	0.0575	0.0055
m (kg)	136	33
AC (mm)	313	196
L (mm)	609	391
HD (mm)	402	249
AB (mm)	296	224

Saves resources and highly dynamic

Applications that require or allow high speeds can be implemented using VEM high-speed motors. Our customised engineering ensures that electrical and mechanical motor designs are optimally adapted to the drive application along with the frequency inverter.

The benefits are obvious: Saving of resources by minimising weight and the required installation space as well as high dynamics due to low moment of inertia.



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