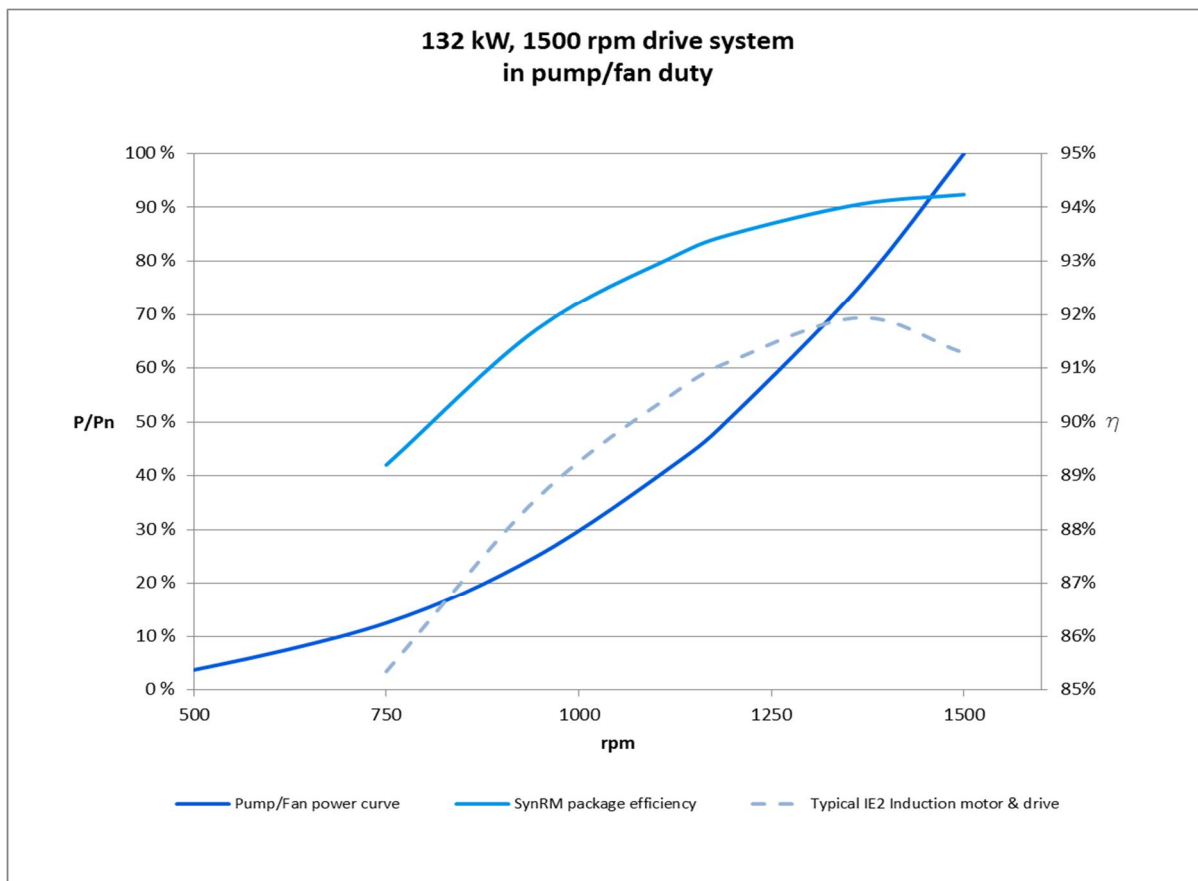


# Manufacturer's statement

## ACS880-01 and IE4 SynRM motor package efficiency

**Drive:** ACS880-01-290A-3

**Motor:** M3BL 315SMB, 3GBL312223-ADC, P<sub>n</sub> 132 kW, 1500 rpm



Speed	Speed rpm	P/P <sub>n</sub>	Package efficiency
50 %**	750	13 %**	89.2 %
63 %	945	25 %	91.7 %
75 %	1125	42 %	93.1 %
80 %	1200	51 %	93.5 %
91 %	1365	75 %	94.1 %
100 %**	1500	100 %**	94.2 %*

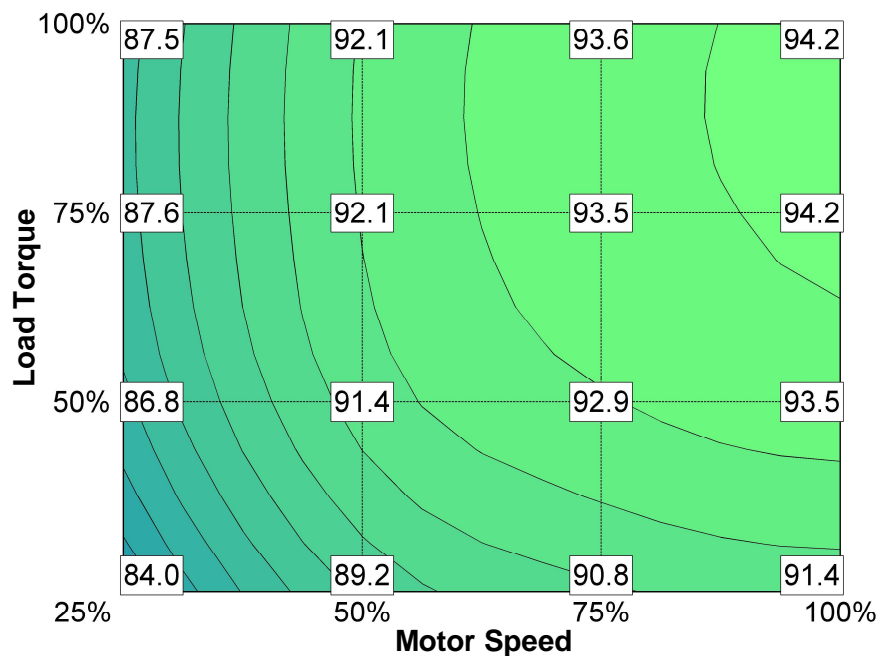
\*Estimated tolerance according to IEC 60034-1:

≤150kW: 0.15 x (100 - package efficiency (%)) at the nominal point

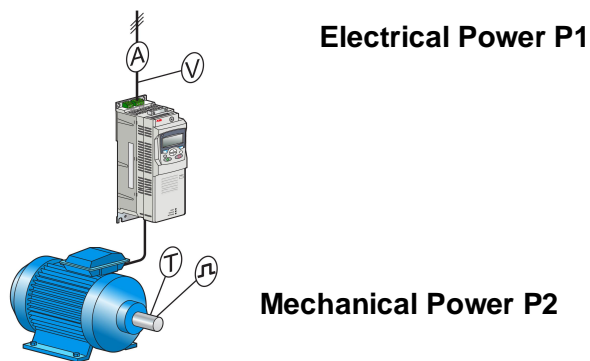
>150kW: 0.10 x (100 - package efficiency (%)) at the nominal point

\*\*Measurement points according to EN 50598-2

Package efficiency [%] for applications with other load characteristics:



**Points of measurement**



**Efficiency  $\eta = P2/P1$**

Efficiency measurements were made at:

<b>X</b>	<b>ABB verification laboratory, Vaasa</b>		<b>ABB verification laboratory, Västerås</b>
	<b>ABB verification laboratory, Helsinki</b>		