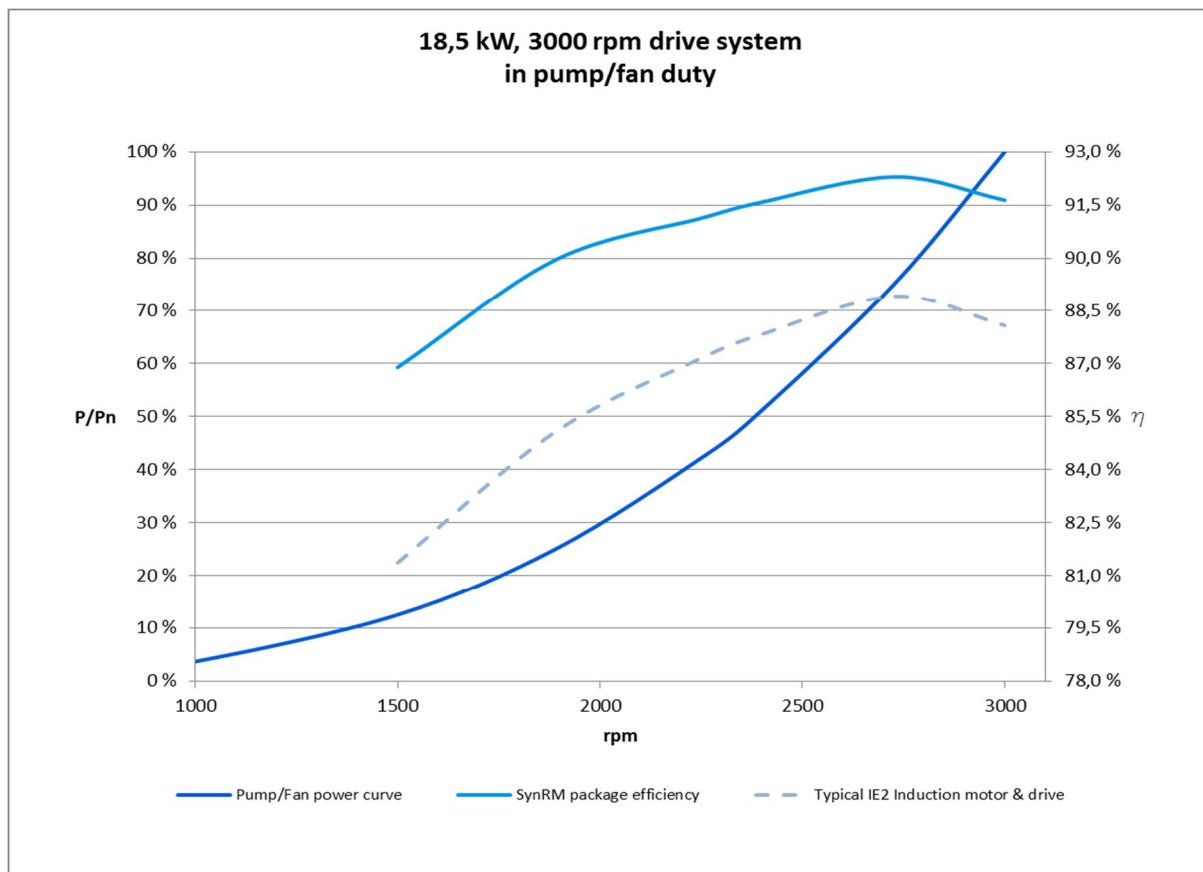


# Manufacturer's statement

## ACS880-01 and IE4 SynRM motor package efficiency

**Drive:** ACS880-01-043A-3

**Motor:** M3BL 160MLC, 3GBL162103-ASC, P<sub>n</sub> 18.5 kW, 3000 rpm



Speed	Speed rpm	P/P <sub>n</sub>	Package efficiency
50 %**	1500	13 %**	86.9 %
63 %	1890	25 %	90.0 %
75 %	2250	42 %	91.1 %
80 %	2400	51 %	91.6 %
91 %	2730	75 %	92.3 %
100 %**	3000	100 %**	91.6 %*

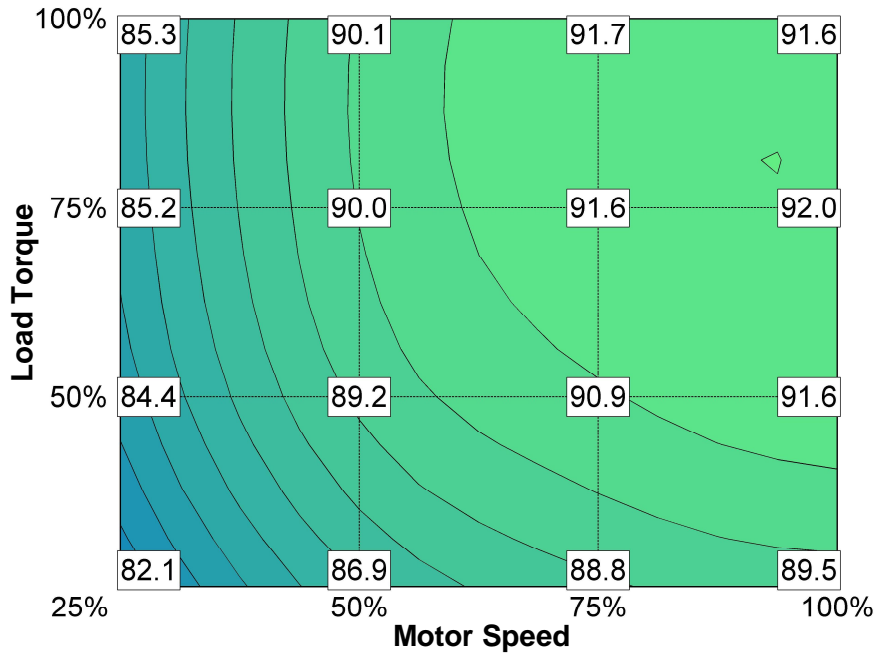
\*Estimated tolerance according to IEC 60034-1:

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

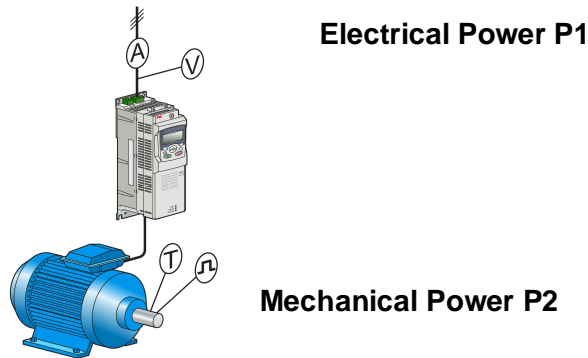
>150kW: 0.10 x (100 - package efficiency (%)) at the nominal point

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