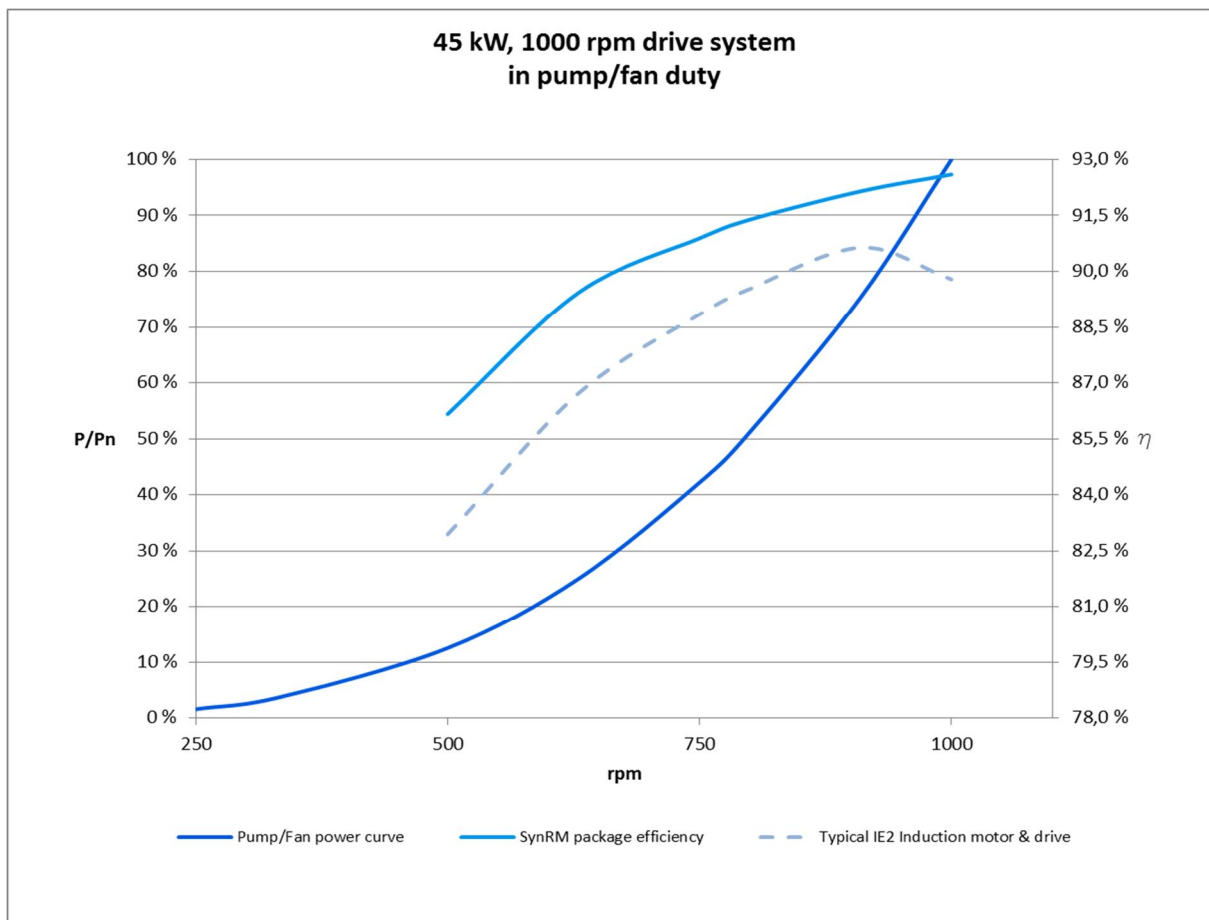


# Manufacturer's statement

## ACS880-01 and IE4 SynRM motor package efficiency

**Drive:** ACS880-01-103A-3

**Motor:** M3BL 280SMA, 3GBL282212-ADC, P<sub>n</sub> 45 kW, 1000 rpm



Speed	Speed rpm	P/P <sub>n</sub>	Package efficiency
50 %**	500	13 %**	86.2 %
63 %	630	25 %	89.4 %
75 %	750	42 %	90.9 %
80 %	800	51 %	91.4 %
91 %	910	75 %	92.2 %
100 %**	1000	100 %**	92.6 %*

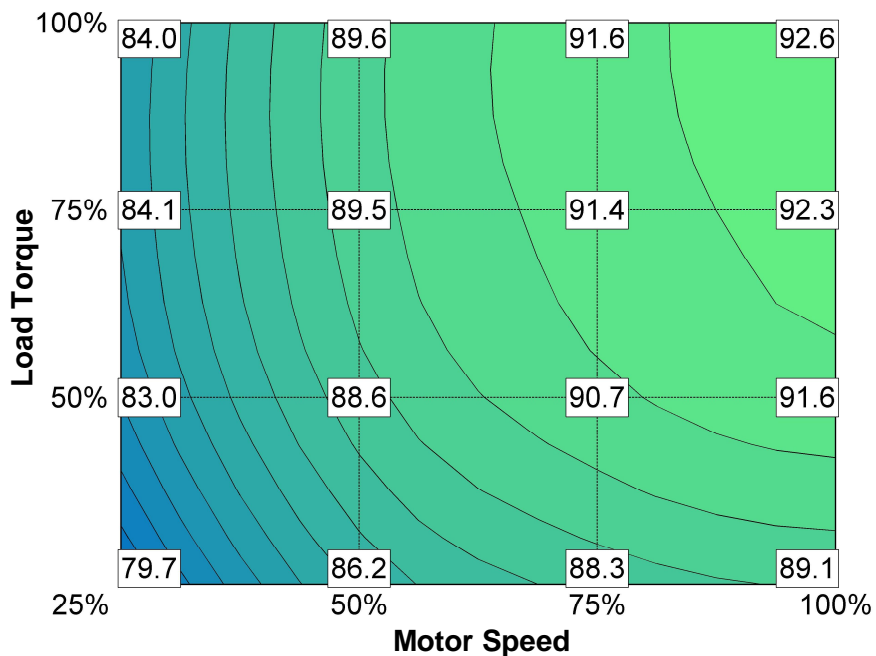
\*Estimated tolerance according to IEC 60034-1:

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

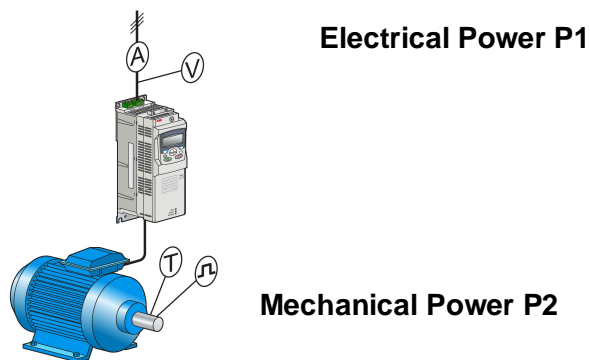
>150kW: 0.10 x (100 - package efficiency (%)) at the nominal point

\*\*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:

X	ABB verification laboratory, Vaasa		ABB verification laboratory, Västerås
	ABB verification laboratory, Helsinki		