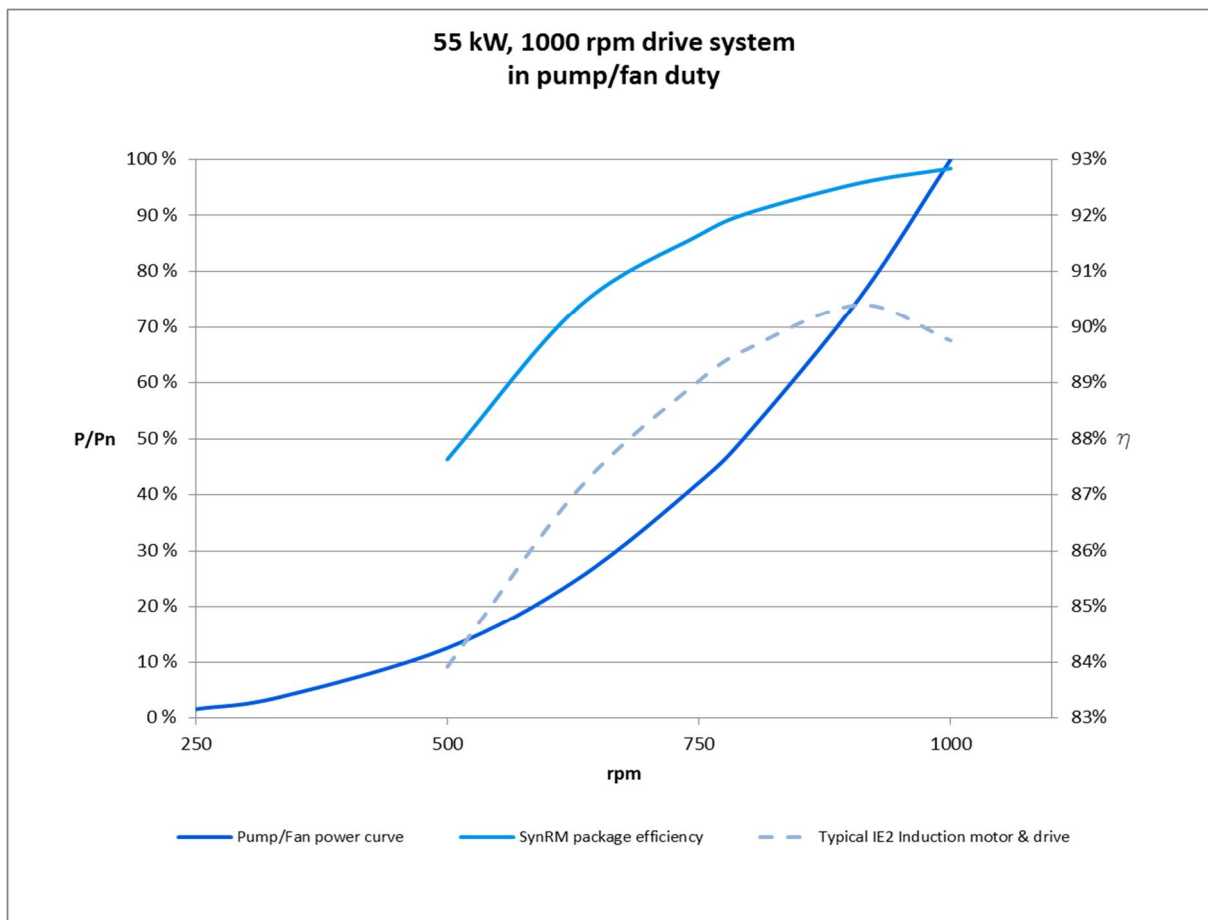


Manufacturer's statement

ACS880-01 and IE4 SynRM motor package efficiency

Drive: ACS880-01-123A-3

Motor: M3BL 280SMB, 3GBL282222-ADC, P_n 55 kW, 1000 rpm



Speed	Speed rpm	P/P _n	Package efficiency
50 %**	500	13 %**	87.6 %
63 %	630	25 %	90.4 %
75 %	750	42 %	91.7 %
80 %	800	51 %	92.1 %
91 %	910	75 %	92.6 %
100 %**	1000	100 %**	92.8 %*

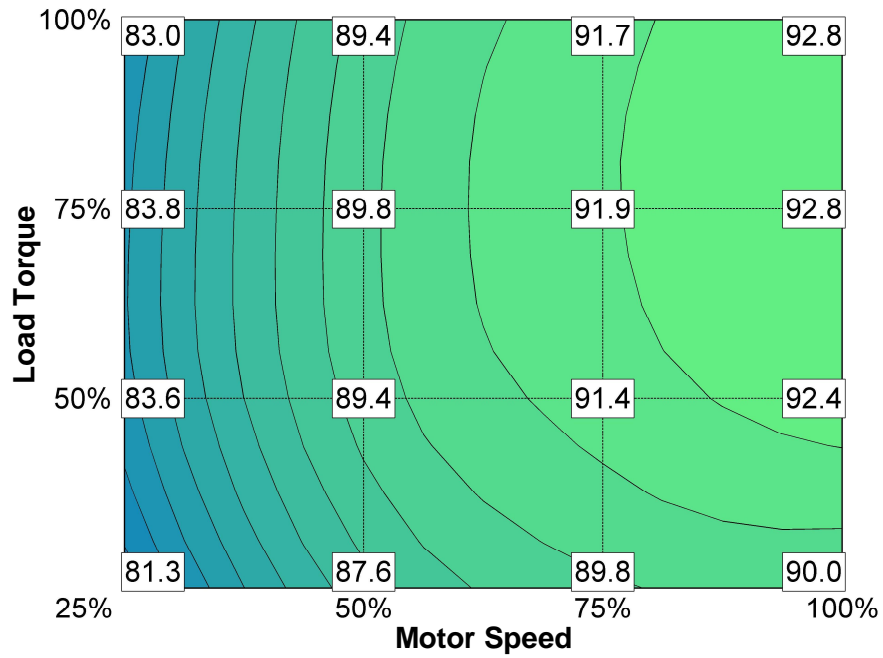
*Estimated tolerance according to IEC 60034-1:

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

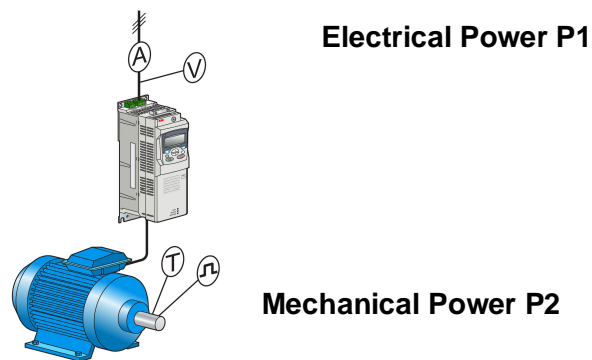
>150kW: 0.10 x (100 - package efficiency (%)) at the nominal point

**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		

