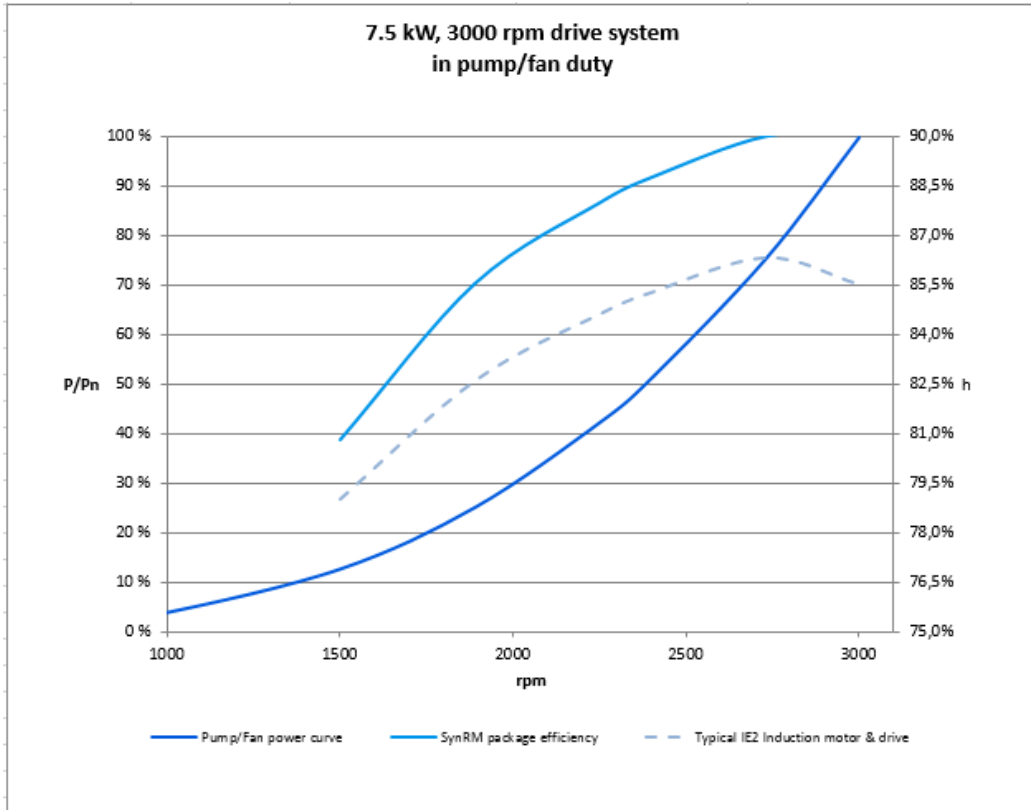


Manufacturer's statement

ACS880-01 and IE4 SynRM motor package efficiency

Drive: ACS880-01-17A7-3  
 Motor: M3AL 132SMB, 3GAL132227-ASC, P<sub>n</sub> 7,5 kW, 3000 rpm



Speed	Speed rpm	P/P <sub>n</sub>	Package efficiency
50 % **	1500	13 % **	80,8 %
63 %	1890	25 %	85,6 %
75 %	2250	42 %	88,0 %
80 %	2400	51 %	88,8 %
91 %	2730	75 %	90,0 %
100 % **	3000	100 % **	90,1 %

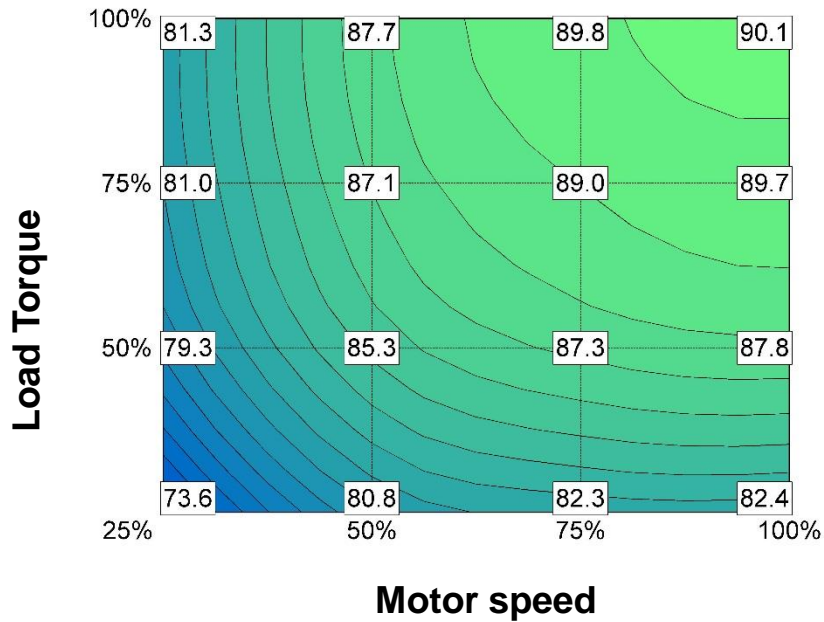
\*Estimated tolerance according to IEC 60034-1:

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

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

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

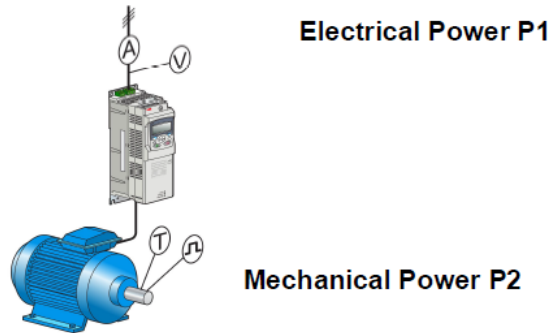
Package efficiency [%] for applications with other load characteristics:



Color scales are comparable within following power ranges:

- 1 to 3 kW
- >3 to 15 kW
- >15 to 350 kW

### Points of measurement



$$\text{Efficiency } \eta = P2/P1$$

Efficiency measurements were made at:

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