

SCHEDULES

SCHEDULE 16

Ecodesign requirements for electric motors and variable speed drives

Energy efficiency requirements for motors

5. The minimum efficiency of 60 Hz motors at a rated power not provided in Tables 24 to 26 must be determined as follows—

- (a) the efficiency of a rated power at, or above, the midpoint between two consecutive values in the tables is the highest of the two efficiencies;
- (b) the efficiency of a rated power below the midpoint between two consecutive values in the tables is the lowest of the two efficiencies.

Table 27

Interpolation coefficients for motors with rated power output P from 0.12 kW up to 0.55 kW

<i>IE code</i>	<i>Coefficients</i>	<i>2 poles</i>	<i>4 poles</i>	<i>6 poles</i>	<i>8 poles</i>
IE2	A	22.4864	17.2751	-15.9218	6.4855
	B	27.7603	23.978	-30.258	9.4748
	C	37.8091	35.5822	16.6861	36.852
	D	82.458	84.9935	79.1838	70.762
IE3	A	6.8532	7.6356	-17.361	-0.5896
	B	6.2006	4.8236	-44.538	-25.526
	C	25.1317	21.0903	-3,0554	4.2884
	D	84.0392	86.0998	79.1318	75.831
IE4	A	-8.8538	8.432	-13.0355	-4.9735
	B	-20.3352	2.6888	-36.9497	-21.453
	C	8.9002	14.6236	-4.3621	2.6653
	D	85.0641	87.6153	82.0009	79.055

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

Table 28

Interpolation coefficients for motors with rated power output P from 0.75 kW up to 200 kW

<i>IE code</i>	<i>Coefficients</i>	<i>2 poles</i>	<i>4 poles</i>	<i>6 poles</i>	<i>8 poles</i>
IE2	A	0.2972	0.0278	0.0148	2.1311
	B	-3.3454	-1.9247	-2.4978	-12.029
	C	13.0651	10.4395	13.247	26.719
	D	79.077	80.9761	77.5603	69.735
IE3	A	0.3569	0.0773	0.1252	0.7189
	B	-3.3076	-1.8951	-2.613	-5.1678
	C	11.6108	9.2984	11.9963	15.705
	D	82.2503	83.7025	80.4769	77.074
IE4	A	0.34	0.2412	0.3598	0.6556
	B	-3.0479	-2.3608	-3.2107	-4.7229
	C	10.293	8.446	10.7933	13.977
	D	84.8208	86,8321	84.107	80.247