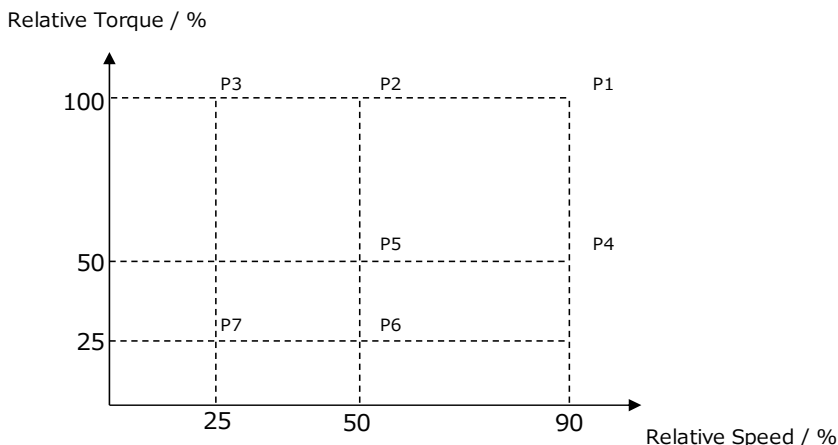


Ecodesign requirements for motors

COMMISSION REGULATION (EU) 2019/1781

Power losses :

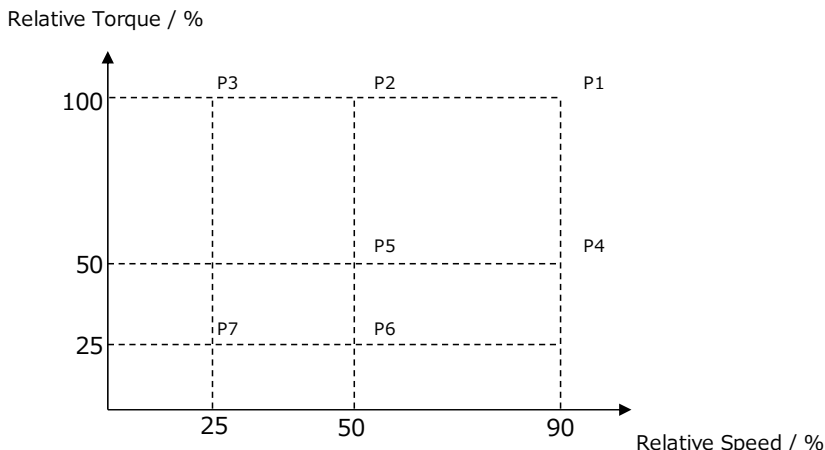


相数 Phase	容量 Motor Power	記号 Code	電源 Power Supply	損失 Losses						
				P1	P2	P3	P4	P5	P6	P7
3	0.2 kW	N	200V50Hz	42.9%	39.3%	36.7%	23.7%	21.1%	16.2%	15.1%
			200V60Hz	36.3%	32.1%	29.4%	22.8%	19.6%	16.1%	14.7%
			220V60Hz	36.8%	32.8%	29.8%	23.3%	20.0%	16.5%	14.8%
		W	380V50Hz	41.9%	38.8%	36.9%	21.7%	19.0%	13.9%	11.6%
			400V50Hz	41.4%	38.7%	36.7%	22.0%	19.1%	13.8%	11.8%
			400V60Hz	34.9%	31.0%	28.5%	23.4%	19.8%	15.2%	12.1%
			440V60Hz	35.2%	31.5%	28.8%	21.4%	18.0%	14.0%	11.3%
		C	220V50Hz	43.9%	40.8%	38.0%	20.6%	18.5%	13.7%	12.4%
			230V50Hz	44.0%	41.0%	38.0%	20.7%	18.5%	13.5%	13.0%
			380V50Hz	40.8%	38.1%	37.0%	21.4%	18.9%	14.0%	11.8%
		K	220V60Hz	34.7%	31.3%	28.9%	18.6%	16.5%	15.1%	11.9%
			380V60Hz	34.0%	30.6%	28.6%	18.1%	17.3%	15.2%	10.6%
	A	208V60Hz	35.9%	31.6%	28.4%	21.8%	19.6%	16.1%	13.8%	
		230V60Hz	36.8%	32.7%	28.9%	22.0%	20.2%	17.2%	14.0%	
		460V60Hz	36.8%	32.5%	29.5%	23.6%	18.9%	17.3%	11.7%	
		400V50Hz	41.6%	38.4%	36.4%	23.1%	19.6%	14.5%	11.7%	
	E	415V50Hz	49.1%	46.6%	46.0%	23.3%	20.1%	13.6%	11.4%	
		440V50Hz	48.9%	46.4%	46.3%	23.5%	20.0%	13.6%	11.6%	
		480V60Hz	40.2%	36.1%	33.0%	22.7%	18.9%	14.5%	11.7%	
	0.4 kW	N	200V50Hz	33.1%	30.2%	26.9%	15.9%	13.9%	10.0%	8.7%
			200V60Hz	27.1%	23.4%	20.8%	15.4%	13.0%	10.1%	8.8%
			220V60Hz	27.2%	24.0%	21.1%	15.9%	13.4%	10.4%	8.9%
		W	380V50Hz	33.1%	30.2%	27.7%	16.1%	14.0%	10.2%	8.6%
			400V50Hz	33.1%	30.4%	27.7%	16.3%	14.2%	11.2%	8.6%
400V60Hz			27.1%	23.6%	20.9%	15.5%	13.0%	10.1%	9.6%	
440V60Hz			27.6%	24.1%	21.2%	15.9%	13.4%	10.4%	9.5%	
C		220V50Hz	46.7%	46.0%	50.9%	17.4%	14.7%	8.7%	7.3%	
		230V50Hz	45.7%	44.9%	48.1%	16.8%	14.2%	8.3%	6.6%	
		380V50Hz	35.7%	32.0%	29.1%	17.7%	15.2%	12.2%	8.6%	
K		220V60Hz	34.4%	31.3%	29.8%	15.8%	12.9%	8.3%	6.9%	
		380V60Hz	30.4%	25.4%	22.4%	16.9%	14.1%	11.1%	9.6%	
A	208V60Hz	30.2%	26.3%	23.5%	16.9%	13.5%	10.6%	7.3%		
	230V60Hz	30.8%	26.8%	23.6%	17.5%	14.0%	11.3%	7.4%		
	460V60Hz	30.8%	26.2%	22.3%	18.8%	15.1%	11.9%	9.5%		
	400V50Hz	36.1%	32.3%	29.0%	18.4%	15.5%	12.1%	10.0%		
E	415V50Hz	36.5%	32.8%	29.3%	16.6%	14.1%	10.7%	8.4%		
	440V50Hz	36.7%	32.8%	29.3%	16.9%	14.2%	10.8%	8.4%		
	480V60Hz	29.9%	25.5%	21.7%	16.9%	13.4%	10.3%	9.5%		

Ecodesign requirements for motors

COMMISSION REGULATION (EU) 2019/1781

Power losses :

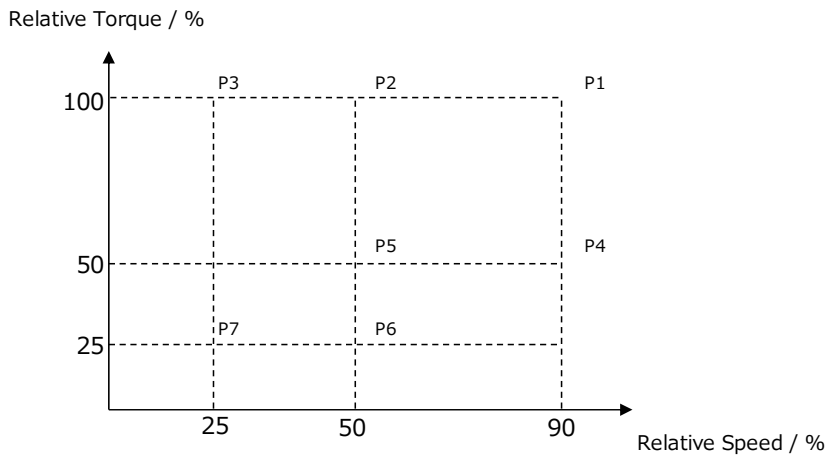


相数 Phase	容量 Motor Power	記号 Code	電源 Power Supply	損失 Losses						
				P1	P2	P3	P4	P5	P6	P7
3	0.75 kW	N	200V50Hz	19.9%	17.2%	15.3%	9.2%	7.5%	5.4%	4.3%
			200V60Hz	16.9%	13.6%	11.7%	9.1%	7.0%	5.4%	4.7%
			220V60Hz	16.9%	13.9%	11.8%	9.3%	7.1%	5.5%	4.8%
		W	380V50Hz	21.5%	19.1%	17.6%	10.0%	8.2%	5.7%	4.2%
			400V50Hz	21.5%	19.6%	17.7%	10.0%	8.4%	5.8%	4.2%
			400V60Hz	18.1%	15.2%	13.3%	10.2%	7.9%	6.3%	3.9%
			440V60Hz	18.4%	15.5%	13.4%	10.5%	8.3%	6.4%	3.9%
		C	220V50Hz	24.5%	21.8%	19.7%	9.0%	7.3%	3.1%	3.1%
			230V50Hz	24.8%	21.9%	19.7%	9.2%	7.4%	3.2%	3.1%
			380V50Hz	21.3%	19.2%	17.5%	9.7%	8.1%	4.5%	3.1%
		K	220V60Hz	16.9%	14.1%	12.0%	9.3%	7.2%	5.5%	5.1%
			380V60Hz	17.5%	14.6%	12.5%	11.4%	8.8%	7.2%	5.3%
	A	208V60Hz	17.0%	14.0%	12.0%	9.6%	7.2%	5.7%	5.1%	
		230V60Hz	17.3%	14.3%	12.1%	9.7%	7.5%	6.0%	5.2%	
		460V60Hz	18.8%	16.0%	13.7%	10.7%	8.4%	6.5%	4.1%	
		400V50Hz	21.5%	19.3%	17.5%	10.3%	8.2%	5.8%	4.1%	
	E	415V50Hz	22.1%	19.7%	17.9%	10.2%	8.3%	5.7%	4.0%	
		440V50Hz	22.5%	20.1%	18.0%	10.9%	8.6%	5.9%	4.1%	
		480V60Hz	19.1%	16.1%	13.7%	11.0%	8.2%	6.1%	3.8%	
	1.5 kW	N	200V50Hz	19.5%	18.8%	18.9%	8.8%	7.7%	5.3%	3.9%
			200V60Hz	15.4%	14.1%	13.1%	8.2%	7.1%	5.3%	3.7%
			220V60Hz	15.6%	14.4%	13.2%	8.6%	7.3%	5.8%	3.8%
		W	380V50Hz	18.2%	17.2%	16.5%	8.3%	7.4%	5.2%	3.9%
			400V50Hz	18.5%	17.5%	16.6%	8.7%	7.6%	5.0%	4.0%
400V60Hz			15.3%	13.7%	12.4%	8.6%	7.2%	5.4%	3.8%	
440V60Hz			15.3%	14.1%	12.5%	8.6%	7.5%	6.2%	3.9%	
C		220V50Hz	23.7%	24.7%	30.7%	8.5%	7.6%	4.4%	3.4%	
		230V50Hz	24.2%	25.1%	31.2%	8.6%	7.7%	4.4%	3.4%	
		380V50Hz	18.2%	17.5%	16.7%	8.4%	7.5%	4.7%	4.0%	
K		220V60Hz	15.7%	14.9%	13.8%	8.5%	7.5%	5.6%	3.9%	
		380V60Hz	15.2%	13.4%	11.7%	10.0%	8.3%	6.8%	5.0%	
A	208V60Hz	16.6%	15.3%	14.1%	9.0%	7.9%	6.0%	3.7%		
	230V60Hz	17.1%	15.7%	14.3%	9.6%	8.2%	6.2%	3.9%		
	460V60Hz	16.3%	14.9%	13.2%	9.3%	7.8%	6.2%	3.7%		
	400V50Hz	19.0%	17.9%	17.1%	8.8%	7.7%	5.2%	3.3%		
E	415V50Hz	20.9%	20.0%	19.9%	9.1%	7.8%	5.1%	3.8%		
	440V50Hz	21.2%	20.2%	19.9%	9.3%	7.9%	5.2%	3.8%		
	480V60Hz	17.0%	15.5%	14.1%	9.2%	7.6%	5.2%	3.9%		

Ecodesign requirements for motors

COMMISSION REGULATION (EU) 2019/1781

Power losses :



相数 Phase	容量 Motor Power	記号 Code	電源 Power Supply	損失 Losses						
				P1	P2	P3	P4	P5	P6	P7
3	2.2 kW	N	200V50Hz	16.3%	14.9%	13.5%	7.2%	6.0%	4.0%	2.9%
			200V60Hz	13.2%	11.6%	10.0%	6.8%	5.5%	4.1%	2.7%
			220V60Hz	13.3%	11.7%	10.0%	7.2%	5.8%	4.3%	2.8%
		W	380V50Hz	14.5%	12.9%	11.4%	6.9%	5.7%	3.5%	2.8%
			400V50Hz	14.7%	12.9%	11.4%	7.1%	6.0%	3.7%	2.8%
			400V60Hz	12.5%	10.5%	8.9%	7.1%	5.8%	4.3%	3.1%
			440V60Hz	12.6%	10.6%	8.9%	7.3%	5.9%	4.6%	3.0%
		C	220V50Hz	19.8%	18.6%	18.1%	7.7%	6.5%	3.9%	2.8%
			230V50Hz	19.9%	18.6%	18.2%	7.8%	6.5%	4.1%	2.7%
			380V50Hz	14.9%	13.3%	11.8%	7.2%	6.0%	3.5%	3.3%
		K	220V60Hz	13.9%	12.1%	10.5%	7.4%	6.3%	4.1%	2.9%
			380V60Hz	12.5%	10.3%	8.7%	7.9%	6.4%	5.0%	3.3%
		A	208V60Hz	13.8%	11.9%	10.4%	8.1%	6.6%	5.1%	3.2%
			230V60Hz	14.4%	12.4%	10.3%	8.7%	6.8%	5.6%	3.5%
			460V60Hz	13.0%	11.1%	9.1%	7.7%	6.2%	5.0%	3.2%
			400V50Hz	14.5%	12.9%	11.1%	7.2%	6.0%	4.4%	3.0%
		E	415V50Hz	15.4%	13.5%	12.1%	7.2%	5.8%	4.3%	2.7%
			440V50Hz	15.7%	13.5%	12.1%	7.4%	6.1%	4.1%	3.1%
			480V60Hz	13.0%	11.5%	9.5%	7.6%	6.2%	4.3%	3.0%