

馬達額定效率等級表

(依極數查詢) By國帥

馬達規範: IEC 60034-30, CNS 14400
 效率等級: IE4 > IE3 > IE2 > IE1

IE1 (Standard Efficiency)
 IE2 (High Efficiency)
 IE3 (Premium Efficiency)
 IE4 (Super Premium Efficiency)

效率等級		IE 1		IE 2		IE 3		IE 4	
頻率		60	50	60	50	60	50	60	50
HP	kW	兩極 (3600rpm, 3000rpm)							
1	0.75	74.0	72.1	75.5	77.4	77.0	80.7	82.5	83.5
1.5	1.1	78.5	75.0	82.5	79.6	84.0	82.7	85.5	85.2
2	1.5	81.0	77.2	84.0	81.3	85.5	84.2	86.5	86.5
3	2.2	81.5	79.7	85.5	83.2	86.5	85.9	88.5	88.0
-	3.0	84.5	81.5	87.5	84.6	88.5	87.1	89.5	89.1
5	3.7	84.5	82.7	87.5	85.5	88.5	87.8	89.5	89.7
-	4.0	84.5	83.1	87.5	85.8	88.5	88.1	89.5	90.0
7.5	5.5	86.0	84.7	88.5	87.0	89.5	89.2	90.2	90.9
10	7.5	87.5	86.0	89.5	88.1	90.2	90.1	91.7	91.7
15	11	87.5	87.6	90.2	89.4	91.0	91.2	92.4	92.6
20	15	88.5	88.7	90.2	90.3	91.0	91.9	92.4	93.3
25	18.5	89.5	89.3	91.0	90.9	91.7	92.4	93.0	93.7
30	22	89.5	89.9	91.0	91.3	91.7	92.7	93.0	94.0
40	30	90.2	90.7	91.7	92.0	92.4	93.3	93.6	94.5
50	37	91.5	91.2	92.4	92.5	93.0	93.7	94.1	94.8

效率等級		IE 1		IE 2		IE 3		IE 4	
頻率		60	50	60	50	60	50	60	50
HP	kW	四極 (1800rpm, 1500rpm)							
1	0.75	77.0	72.1	78.0	79.6	85.5	82.5	85.5	85.7
1.5	1.1	79.0	75.0	84.0	81.4	86.5	84.1	87.5	87.2
2	1.5	81.5	77.2	84.0	82.8	86.5	85.3	88.5	88.2
3	2.2	83.0	79.7	87.5	84.3	89.5	86.7	91.0	89.5
-	3.0	85.0	81.5	87.5	85.5	89.5	87.7	91.0	90.4
5	3.7	85.0	82.7	87.5	86.3	89.5	88.4	91.0	90.9
-	4.0	85.0	83.1	87.5	86.6	89.5	88.6	91.0	91.1
7.5	5.5	87.0	84.7	89.5	87.7	91.7	89.6	92.4	91.9
10	7.5	87.5	86.0	89.5	88.7	91.7	90.4	92.4	92.6
15	11	88.5	87.6	91.0	89.8	92.4	91.4	93.6	93.3
20	15	89.5	88.7	91.0	90.6	93.0	92.1	94.1	93.9
25	18.5	90.5	89.3	92.4	91.2	93.6	92.6	94.5	94.2
30	22	91.0	89.9	92.4	91.6	93.6	93.0	94.5	94.5
40	30	91.7	90.7	93.0	92.3	94.1	93.6	95.0	94.9
50	37	92.4	91.2	93.0	92.7	94.5	93.9	95.4	95.2

效率等級		IE 1		IE 2		IE 3		IE 4	
頻率		60	50	60	50	60	50	60	50
HP	kW	六極 (1200rpm, 1000rpm)							
1	0.75	72.0	70.0	80.0	75.9	82.5	78.9	84.0	82.7
1.5	1.1	75.0	72.9	85.5	78.1	87.5	81.0	88.5	84.5
2	1.5	77.0	75.2	86.5	79.8	88.5	82.5	89.5	85.9
3	2.2	78.5	77.7	87.5	81.8	89.5	84.3	90.2	87.4
-	3.0	83.5	79.7	87.5	83.3	89.5	85.6	90.2	88.6
5	3.7	83.5	80.9	87.5	84.3	89.5	86.5	90.2	89.3
-	4.0	83.5	81.4	87.5	84.6	89.5	86.8	90.2	89.5
7.5	5.5	85.0	83.1	89.5	86.0	91.0	88.0	91.7	90.5
10	7.5	86.0	84.7	89.5	87.2	91.0	89.1	92.4	91.3
15	11	89.0	86.4	90.2	88.7	91.7	90.3	93.0	92.3
20	15	89.5	87.7	90.2	89.7	91.7	91.2	93.0	92.9
25	18.5	90.2	88.6	91.7	90.4	93.0	91.7	94.1	93.4
30	22	91.0	89.2	91.7	90.9	93.0	92.2	94.1	93.7
40	30	91.7	90.2	93.0	91.7	94.1	92.9	95.0	94.2
50	37	91.7	90.8	93.0	92.2	94.1	93.3	95.0	94.5