

# AEHL/AEUL 高效率馬達特性表 High-Efficiency Induction Motor Character List

全密閉外扇型(TEFC) 周溫40°C 連續額定S1 F級絕緣 使用係數S.F.:1.0

Totally- Enclosed Fan-Cooled(TEFC) Ambient 40°C Continuous Duty S1 Class F Insulation Service Factor S.F.:1.0

3~ 220/380V 60Hz

220V

輸出 Output		極數 Pole	框號 Frame Size	滿載轉速 Full Load Speed	效率 Efficiency			功率因數 Power Factor			電流 Current		轉矩 Torque				轉子慣量 Rotor Inertia GD <sup>2</sup>
馬力 Horse Power	功率 Output Power				滿載 Full Load	負載 3/4 Load	負載 1/2 Load	滿載 Full Load	負載 3/4 Load	負載 1/2 Load	滿載電流 Full Load	起動電流 Locked Rotor	滿載轉矩 Full Load	起動轉矩 Locked Rotor	拉升轉矩 Pull up	最大轉矩 Break down	
(HP)	(kW)	(P)	(No.)	(rpm)	(%)	(%)	(%)	(%)	(%)	(%)	(A)	(A)	(kg-m)	(%)	(%)	(%)	(kg.m <sup>2</sup> )
0.5	0.37	2	D71	3390	77.4	77.2	73.7	86.9	82.5	71.0	1.46	10	0.107	300	280	290	0.002
		4	D71	1715	79.2	78.6	75.4	82.6	75.2	63.0	1.50	10	0.212	280	230	300	0.005
		6	D80	1130	76.9	76.7	73.9	68.3	59.1	46.5	1.86	10	0.321	260	245	280	0.010
1	0.75	2	D80	3445	81.3	80.8	77.7	84.6	78.2	65.9	2.85	20	0.211	300	270	320	0.006
		4	D80	1730	83.6	83.5	81.2	77.7	70.8	58.8	3.01	22	0.420	300	270	320	0.010
		6	D90L	1150	79.3	79.9	77.9	80.7	75.2	63.9	3.06	20	0.631	180	170	220	0.017
2	1.5	2	D90L	3450	84.1	84.5	83.0	87.9	84.1	75.6	5.30	45	0.421	300	250	320	0.010
		4	D90L	1745	85.0	85.3	83.0	83.1	78.7	70.6	5.54	40	0.832	180	155	240	0.017
		6	D100L	1145	85.0	84.6	84.0	72.0	65.2	52.5	6.40	40	1.268	225	200	265	0.058
3	2.2	2	D90L	3460	84.9	85.5	85.0	89.5	86.3	80.6	7.73	55	0.629	250	220	320	0.013
		4	D100L	1735	87.1	88.0	87.5	84.1	79.8	70.7	8.02	70	1.255	240	200	300	0.041
		6	D112M	1160	86.0	85.5	83.0	71.5	62.0	51.0	9.55	60	1.877	185	170	270	0.084
5	3.7	2	D112M	3495	86.4	87.1	86.2	91.4	88.8	82.8	12.4	110	1.038	280	255	320	0.038
		4	D112M	1745	87.4	88.2	87.8	86.2	82.7	74.4	13.0	90	2.080	230	185	280	0.059
		6	D132S	1165	86.5	86.0	83.6	75.5	69.5	58.5	15.0	96	3.115	190	175	295	0.131
7.5	5.5	2	D132S	3500	88.0	88.5	88.1	88.0	85.5	79.5	19.0	135	1.555	225	180	270	0.063
		4	D132S	1750	88.5	88.2	87.8	84.5	79.0	69.5	19.6	150	3.111	265	210	300	0.103
		6	D132M	1165	88.3	88.4	87.5	78.6	72.5	61.5	21.2	150	4.673	205	178	295	0.190
10	7.5	2	D132S	3510	88.5	87.5	85.0	84.0	80.0	72.0	26.3	200	2.068	220	195	265	0.072
		4	D132M	1745	88.5	89.0	88.5	86.0	84.0	76.5	25.7	175	4.160	230	190	285	0.133
		6	D160M	1170	88.5	87.6	86.5	77.5	71.6	60.0	28.5	220	6.204	280	230	295	0.421
15	11	2	D160M	3545	89.5	89.0	87.5	89.0	86.5	78.5	36.9	285	3.071	230	195	300	0.147
		4	D160M	1760	90.0	89.8	89.3	87.0	85.0	78.0	37.5	265	6.186	225	170	240	0.322
		6	D160L	1165	89.5	90.0	89.5	79.5	75.0	67.0	41.3	280	9.346	260	220	255	0.589
20	15	2	D160M	3530	90.5	90.5	90.0	90.5	90.0	85.0	47.8	350	4.113	230	170	275	0.185
		4	D160L	1760	90.5	90.2	89.8	87.0	85.0	77.5	49.7	360	8.248	240	175	270	0.382
		6	D180M	1170	89.5	89.8	89.5	81.0	77.5	68.0	54.0	365	12.408	240	200	245	1.054

註：1.試驗方法依據：CNS 14400 C4482、ANSI/IEEE 112測試方法B種。 2.特性裕度:IEC34-1。(效率保證最低值符合CNS 14400規定)3.以上標示代表值為實測值。

4.以上數值如有變更，恕不另行通知。

Note: 1. Test method according to CNS 14400 & ANSI/IEEE-112 Method B.

2. Tolerance in accordance with IEC34-1. (The assured lowest numbers of efficiency are conformed to CNS14400)

3. All above numbers are real testing numbers.

4. All data subject to change without notice.