

Technical Information
Electrical Data For YD & YU Series Motors

Derating Tables due to Altitude & Ambient Temperatures



شرکت صنایع ماشینهای الکتریکی جوبین (جمکو)
Jovain Electrical Machines Industries Co.(JEMCO)

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Altitude (Above Sea Level) in m	temperature in °C					
	< 30	30-40	45	50	55	60
1000	1.07	1	0.96	0.92	0.87	0.82
1500	1.04	0.97	0.93	0.89	0.84	0.79
2000	1	0.94	0.9	0.86	0.82	0.77
2500	0.96	0.9	0.86	0.83	0.78	0.74
3000	0.92	0.86	0.82	0.79	0.75	0.7
3500	0.88	0.82	0.79	0.75	0.71	0.67
4000	0.82	0.77	0.74	0.71	0.67	0.63

Notes :

1-The rated output refers to the continuous duty output according to DIN / VDE 0530 , part 1 at a frequency of 50 Hz ,ambient temperature of 40°C and altitude above 1000m see level.

The motors are manufactured in class F insulation and class B utilization factors. For any deviations from these conditions the permitted outputs should be adjusted according to these tables.

2-Derated outputs for ambient temperatures of 45°C and 50°C are based on the DIN rating ,and must be stated when ordering .

DIN output Rating KW	Derated output	
	At 45°C KW	At 50°C KW
11	10.5	10
15	14.5	13.8
18.5	17.8	17
22	21	20
30	29	27.5
37	35.5	34
45	43	41.5
55	53	51
75	72	69
90	86	83
110	106	101
132	127	122
145	139	133
160	153	147
180	173	166
200	192	184
250	240	230
280	269	258
315	302	290
355	340	325
400	384	368
450	432	414
500	480	460
560	538	515
630	605	580
710	682	653
800	768	736
900	864	828
1000	960	920



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