



# GABRIEL NF075

(单位: mm)

## Reducer Performance Information

NF075 Single Section	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	L7	L8
	85	6.8	22	70	50	M8×1.25P	76	56	17	2.3	32	3	7	6

NF075 Single Section	L9	L10	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	C10*	B1	H1
	20	90	100	M6×1P	≤19/≤24	43.5	80	10	90	165	18	24.5	6	24.5

\*Dimensions based on servo-motor, please contact us for custom made order.

节数 Segment number	单节 Single segment									
减速比 Ratio	i	3	4	5	6	7	8	9	10	
额定输出力矩 T <sub>2N</sub> Rated output torque	Nm	120	130	150	140	130	110	95	95	
急停扭矩 T <sub>2NOT</sub> ★ Emergency stop torque	Nm	三倍额定输出力矩								
额定输入转速 n <sub>1N</sub> Rated input speed	rpm	4000								
最大输入转速 n <sub>1B</sub> Max input speed	rpm	8000								
超精密背隙 P0 Ultraprecise backlash	arcmin	≤1								
精密背隙 P1 Precise backlash	arcmin	≤3								
标准背隙 P2 Standard backlash	arcmin	≤5								
扭转刚性 Torsional rigidity	Nm/arcmin	14								
容许径向力 F <sub>2rB</sub> ▲ Maximum bending moment	N	4100								
容许轴向力 F <sub>2aB</sub> ▲ Max. axial force	N	3700								
使用寿命 Service Life	hr	30000(连续运转为15000)								
效率 η Efficiency	%	≥97%								
重量 Weight	kg	3.7								
使用温度 Operating Temperature	℃	-10℃ ~ +90℃								
润滑 Lubrication		合成润滑油脂								
防护等级 Protection Class		IP64								
安装方向 Mounting Position		任意方向								
噪音值 (n <sub>1</sub> =3000rpm, 无负载) Noise Level (N <sub>1</sub> =3000rpm, Non-Loaded)	dB (A)	≤60								
转动惯量 J <sub>r</sub> Rotary inertia	Kg·cm <sup>2</sup>	0.61	0.48	0.47	0.45	0.45	0.44	0.44	0.44	0.44

★ Maximum output force 60%  
▲ Output rotation speed 100rpm

