



# GABRIEL NB220

(单位: mm)

NB220 Single Section	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6
	250	17	75	180	94.5	M20×2.5P	292	220	138	30	3	90	7

NB220 Single Section	L7	L8	L9	C1*	C2*	C3*	C4*	C5*	C6*	C7*	C8*	C9*	B1	H1
	25	15	42	235	M12×1.75P	≤55	118	200	10	220	367	44	20	79.5

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

## Reducer Performance Information

节数 Segment number	单节 Single segment									
减速比 Ratio	i	3	4	5	6	7	8	9	10	
额定输出转矩 T <sub>2N</sub> Rated output torque	Nm	1080	1610	1900	1800	1710	1520	1420	1420	
急停转矩 T <sub>2NOT</sub> ★ Emergency stop torque	Nm	三倍额定输出转矩								
额定输入转速 n <sub>1N</sub> Rated input speed	rpm	2000								
最大输入转速 n <sub>1B</sub> Max input speed	rpm	4000								
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	225								
容许径向力 F <sub>2rB</sub> ▲ Maximum bending moment	N	50000								
容许轴向力 F <sub>2aB</sub> ▲ Max. axial force	N	25000								
使用寿命 Service Life	hr	20000(连续运转为10000)								
效率 η Efficiency	%	≥97%								
重量 Weight	kg	48								
使用温度 Operating temperature	°C	-10°C ~ +90°C								
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 (n1=3000rpm, 无负载) Noise Level (N1=3000rpm, Non-Loaded)	dB (A)	≤70								
转动惯量 J <sub>1</sub> Rotary inertia	Kg · cm <sup>2</sup>	69.61	54.37	53.27	51.72	50.97	50.84	50.63	50.56	

★ Maximum output force 60%

▲ Output rotation speed 100rpm



**MODEL :**  
NB042, NB042A, NB060, NB060A, NB090,  
NB090A, NB115, NB142, NB180, NB220

**Output Shaft Selection :**  
S1:  
S2:

**RATIO :**  
3, 4, 5, 6, 7, 8, 9, 10,  
15, 20, 25, 30, 35, 40, 45, 50,  
60, 70, 80, 90, 100

**Back Lash :**  
P0:  
P1:  
P2: