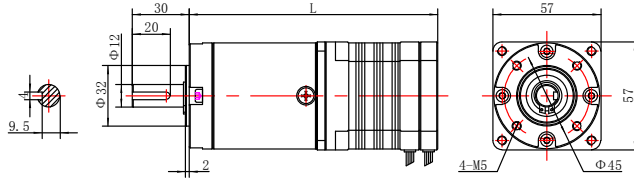


# 56PA/57BLF PM DC PLANETARY GEAR MOTOR

## Mechanical Dimensions



## 56PAXXXG/57BLF59-2430

Rated Voltage	V	24								
Reduction ratio	1:X	3.6	4.25	13	15	18	47	55	65	77
Stage	#	1	1	2	2	2	3	3	3	3
Rated speed	rpm	833	706	231	200	167	64	55	46	39
Rated Torque	N-m	0.65	0.77	2.1	2.4	2.9	6.6	7.7	9.1	11
Gear motor length	mm	107	107	119	119	119	131	131	131	131
Moment Possible Max Torque	N-m	2.0	2.3	6.3	7.2	8.7	20	23	27	33

## 56PAXXXG/57BLF80-2430

Rated Voltage	V	24								
Reduction ratio	1:X	3.6	4.25	13	15	18	47	55	65	77
Stage	#	1	1	2	2	2	3	3	3	3
Rated speed	rpm	833	706	231	200	167	64	55	46	39
Rated Torque	N-m	1.3	1.5	4.2	4.8	5.8	13	15	18	21
Gear motor length	mm	128	128	140	140	140	152	152	152	152
Moment Possible Max Torque	N-m	3.9	4.5	13	14	17	39	45	54	60

## 56PAXXXG/57BLF101-2430

Rated Voltage	V	24								
Reduction ratio	1:X	3.6	4.25	13	15	18	47	55	65	77
Stage	#	1	1	2	2	2	3	3	3	3
Rated speed	rpm	833	706	231	200	167	64	55	46	39
Rated Torque	N-m	1.9	2.3	6.2	7.2	8.6	20	23	27	32
Gear motor length	mm	149	149	161	161	161	173	173	173	173
Moment Possible Max Torque	N-m	5.7	6.9	19	22	26	60	60	60	60

## Motor Specifications

Model	Rated Voltage	Rated Speed	Rated Current	Rated Torque	Output Power	Biggest Torque	Number of Phases	Number of Poles
	V	rpm	A	N.m	W	N.m	#	#
57BLF59-2430	24	3000	4.0	0.2	63	0.6	3	4
57BLF80-2430	24	3000	7.8	0.4	125	1.2	3	4
57BLF101-2430	24	3000	12	0.6	188	1.8	3	4

**56**      **PA**      **19**      **G** / **57**      **BLF**      **59**      -      **2430**  
 Size      Type      Ratio      Bearing      Size      Type      Length      Voltage and Speed  
 56mm      Planetary      19:1      Ball      57mm      Ferrite      59mm      24=24V;30=3000rpm