

无刷直流行星齿轮减速电机 (内齿圈材质: 金属)

BLDC Planetary Gear Motor (Ring Gear Material: Metal)

56JXE300K/57DMW75 56JXE300K/57DMWH75

Φ56行星减速器, 允许转矩范围: 3N.m~30N.m
56mm OD Planetary Gearbox,
Permissible Load Range: 3N.m~30N.m

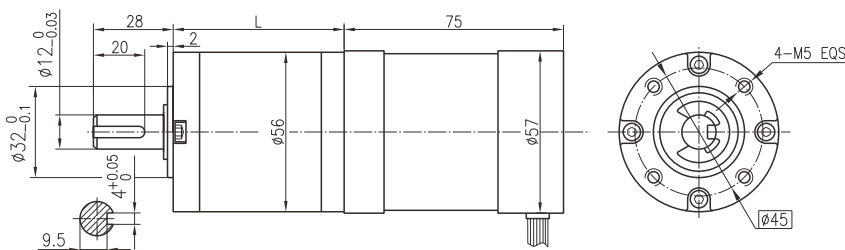
57DMW75是24VDC电机, 57DMWH75是36VDC电机
57DMW75 is a 24VDC motor, 57DMWH75 is a 36VDC motor

● 接线方式 Wire Diagram

U	V	W	Vcc	Ha	Hb	Hc	GND
红 Red	黄 Yellow	黑 Black	红 Red	蓝 Blue	绿 Green	白 White	黑 Black
20AWG UL1569			26AWG UL1569				



● 外形和安装尺寸 Dimensions



● 无刷电动机主要技术参数 Brushless Motor Technical Data

电机型号 Type	极数 Number of poles	相数 Number of phase	额定电压 Rated voltage VDC	空载转速 No-load speed r/min	额定转矩 Rated torque N.m	额定转速 Rated speed r/min	额定电流 Rated current A	额定功率 Rated power W	峰值扭矩 Peak torque N.m	峰值电流 Peak current A
57DMW75-2440	4	3	24	4000	0.22	3200	4.0	72	0.70	13
57DMW75-2452	4	3	24	5200	0.22	4000	5.0	90	0.68	15
57DMWH75-3652	4(8)	3	36	5200	0.30	4000	4.6	125	0.90	13.8

● 无刷行星齿轮减速电机主要技术参数 Brushless Gear Motor Technical Data

配置57DMW75-2440无刷直流电机 (57DMW75-2440 BLDC Motor)

减速比 Reduction ratio	3.60	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220
减速级数 Number of gear trains	1	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	37.8	37.8	37.8	49.5	49.5	49.5	49.5	49.5	60.8	60.8	60.8	60.8	60.8	60.8	71.9	71.9	71.9
空载转速 No-load speed r/min	1111	941	750	308	267	222	174	143	93	77	66	56	42	33	26	21	18
额定转速 Rated speed r/min	889	753	600	246	213	178	139	114	74	62	52	44	33	26	21	17	15
额定转矩 Rated torque N.m	0.71	0.84	1.1	2.3	2.7	3.2	4.1	5.0	6.9	8.4	9.8	12	15	19	22	27	30
最大瞬间允许负载 Max. permissible load in a short time N.m	9	9	9	36	36	36	36	36	72	72	72	72	72	72	90	90	90

配置57DMW75-2452无刷直流电机 (57DMW75-2452 BLDC Motor)

减速比 Reduction ratio	3.60	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187	220
减速级数 Number of gear trains	1	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4	4
减速器长度(L) Length(L) mm	37.8	37.8	37.8	49.5	49.5	49.5	49.5	49.5	60.8	60.8	60.8	60.8	60.8	60.8	71.9	71.9	71.9
空载转速 No-load speed r/min	1444	1224	976	400	347	289	226	186	121	100	85	72	54	43	34	28	24
额定转速 Rated speed r/min	1111	941	750	308	267	222	174	143	93	77	66	56	42	33	26	21	18
额定转矩 Rated torque N.m	0.71	0.84	0.94	2.3	2.7	3.2	4.1	5.0	6.9	8.4	9.8	12	15	19	22	27	30
最大瞬间允许负载 Max. permissible load in a short time N.m	9	9	9	36	36	36	36	36	72	72	72	72	72	72	90	90	90

配置57DMWH75-3652无刷直流电机 (57DMWH75-3652 BLDC Motor)

减速比 Reduction ratio	3.60	4.25	5.33	13	15	18	23	28	43	52	61	72	96	121	154	187
减速级数 Number of gear trains	1	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4
减速器长度(L) Length(L) mm	37.8	37.8	37.8	49.5	49.5	49.5	49.5	49.5	60.8	60.8	60.8	60.8	60.8	60.8	71.9	71.9
空载转速 No-load speed r/min	1444	1224	976	400	347	289	226	186	121	100	85	72	54	43	34	28
额定转速 Rated speed r/min	1111	941	750	308	267	222	174	143	93	77	66	56	42	33	26	21
额定转矩 Rated torque N.m	0.97	1.2	1.3	3.2	3.6	4.4	5.6	6.8	9.4	11	13	16	21	27	30	30
最大瞬间允许负载 Max. permissible load in a short time N.m	9	9	9	36	36	36	36	36	72	72	72	72	72	72	90	90