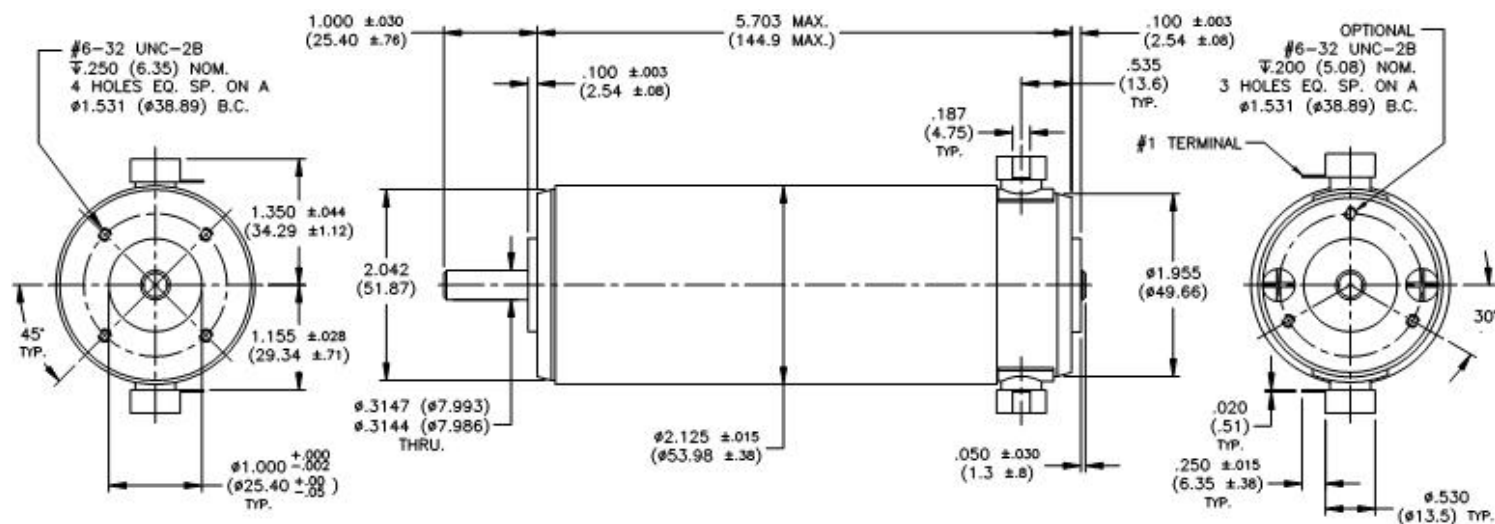


PITTMAN 14207 SERIES DC SERVO MOTOR

Electrical Specifications

Motor Data	Units	Winding Designation					
		15.2V	19.1V	24.0V	30.3V	38.2V	48.0V
Supply Voltage	V	15.2	19.1	24.0	30.3	38.2	48.0
Continuous Torque	Nm	0.35	0.35	0.35	0.35	0.35	0.35
Speed@Cont.Torque	rpm	3260	3110	3170	3170	3190	3200
Current@Cont.Torque	A	11.8	8.83	7.06	5.56	4.41	3.53
Continuous Output Power	W	121	115	117	117	118	118
Torque Constant	Nm/A	0.0424	0.0565	0.0706	0.0897	0.113	0.141
Terminal Resistance	Ω	0.24	0.39	0.59	0.93	1.46	2.29
Inductance	mH	0.31	0.56	0.87	1.40	2.23	3.48
No-Load Current	A	0.51	0.38	0.30	0.24	0.19	0.15
No-Load Speed	rpm	3330	3140	3160	3140	3140	3160
Peak Current	A	63.3	49.0	40.7	32.6	26.2	21.0
Peak Torque	Nm	2.66	2.75	2.85	2.9	2.93	2.94
Electrical Time Constant	ms	1.3	1.4	1.5	1.5	1.5	1.5
Mechanical Time Constant	ms	6.3	5.8	5.6	5.5	5.4	5.4
Max.Winding Temperature		155	155	155	155	155	155
Rotor Inertia	Kg.m ²	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05	4.7E-05
Motor Weight	g	1545	1545	1545	1545	1545	1545

Mechanical Dimensions (unit:mm)



Performance Curves (24V Winding)

