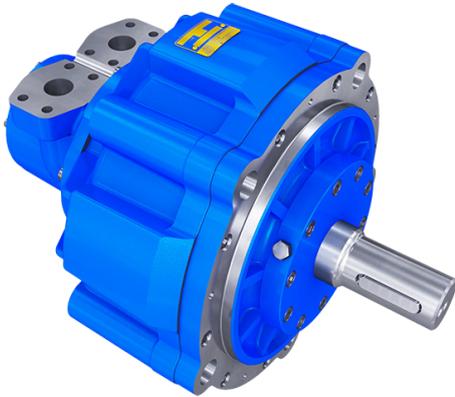


SMA MOTOR

High torque, high power, radial piston eccentric motor



- 350 bar continuous pressure
- High pressure capability
- High power capability
- High speed
- Fixed displacements
- Robust
- Free wheel capability
- Fluid versatility
- Configuration options available including rotating case drum drive

SMA0480	C1	C1/E1	C1/E1	B1	C1/E1
Nominal Displacement (cc/rev)	200	290	350	370	480
Geometric Displacement (cc/rev)	208	289	339	370	481
Specific Torque (Nm/bar)	3.3	4.6	5.4	5.9	7.7
Max Pressure (bar)*	490	490	490	490	490
Max Cont. Speed - Standard Rating (rpm)	480	480	480	480	480
Max Cont. Power - Standard Rating (kW)	28	40	48	48	68
Max Cont. Speed - High Power Rating (rpm)	1000	1000	1000	1000	1000
Max Cont. Power - High Power Rating (kW)	54	76	89	89	126

SMA0500	C1/B1
Nominal Displacement (cc/rev)	500
Geometric Displacement (cc/rev)	502
Specific Torque (Nm/bar)	8.0
Max Pressure (bar)*	490
Max Cont. Speed - Standard Rating (rpm)	430
Max Cont. Power - Standard Rating (kW)	61
Max Cont. Speed - High Power Rating (rpm)	700
Max Cont. Power - High Power Rating (kW)	103

SMA1230	C1/E1/C2	C1/E1	C1/E1/B1/C2	C1/E1
Nominal Displacement (cc/rev)	750	850	1000	1230
Geometric Displacement (cc/rev)	757	857	996	1160
Specific Torque (Nm/bar)	12.0	13.6	15.9	18.5
Max Pressure (bar)*	490	490	490	490
Max Cont. Speed - Standard Rating (rpm)	380	350	350	283
Max Cont. Power - Standard Rating (kW)	84	95	100	124
Max Cont. Speed - High Power Rating (rpm)	620	620	600	580
Max Cont. Power - High Power Rating (kW)	137	155	187	196

SMA2200	C1/E1/C2	C1/E1/B1/C2	C1/E1/B1
Nominal Displacement (cc/rev)	1340	1600	2200
Geometric Displacement (cc/rev)	1343	1602	2227
Specific Torque (Nm/bar)	21.4	25.5	35.4
Max Pressure (bar)*	490	490	490
Max Cont. Speed - Standard Rating (rpm)	320	300	216
Max Cont. Power - Standard Rating (kW)	125	140	195
Max Cont. Speed - High Power Rating (rpm)	565	565	406
Max Cont. Power - High Power Rating (kW)	221	264	264

C1 Rotating Shaft Motors
 E1 Rotating Case Motors
 B1 Rotating Case Shaft Motors
 C2 2-Speed Rotating Shaft Motors

* Running conditions that utilise the maximum/peak pressure capabilities of the motor should be kept to a minimum and if utilised, done so as part of a known duty cycle.

SMA MOTOR

High torque, high power, radial piston eccentric motor



SMA3200	C1/E1	C1/E1	C1/E1	C1/E1
Nominal Displacement (cc/rev)	2000	2500	2800	3200
Geometric Displacement (cc/rev)	2003	2507	2801	3215
Specific Torque (Nm/bar)	31.9	39.9	44.6	51.2
Max Pressure (bar)*	490	490	490	490
Max Cont. Speed - Standard Rating (rpm)	285	285	260	240
Max Cont. Power - Standard Rating (kW)	165	185	200	237
Max Cont. Speed - High Power Rating (rpm)	380	380	380	380
Max Cont. Power - High Power Rating (kW)	222	278	300	357

SMA4350	C1/E1	C1/E1
Nominal Displacement (cc/rev)	3500	4350
Geometric Displacement (cc/rev)	3504	4349
Specific Torque (Nm/bar)	55.8	69.2
Max Pressure (bar)*	490	490
Max Cont. Speed - High Power Rating (rpm)	350	240
Max Cont. Power - High Power Rating (kW)	358	400

SMA6250	C1	C1
Nominal Displacement (cc/rev)	5000	6250
Geometric Displacement (cc/rev)	5019	6250
Specific Torque (Nm/bar)	79.9	99.5
Max Pressure (bar)*	490	490
Max Cont. Speed - High Power Rating (rpm)	210	190
Max Cont. Power - High Power Rating (kW)	450	550

SMA8700	C1/C2	C1/C2
Nominal Displacement (cc/rev)	7000	8700
Geometric Displacement (cc/rev)	7009	8698
Specific Torque (Nm/bar)	111.6	138.4
Max Pressure (bar)*	490	490
Max Cont. Speed - High Power Rating (rpm)	240	240
Max Cont. Power - High Power Rating (kW)	491	609

SMA10L	C1	C1	C1
Nominal Displacement (cc/rev)	7400	8800	10500
Geometric Displacement (cc/rev)	7381	8812	10498
Specific Torque (Nm/bar)	117.5	140.2	167.1
Max Pressure (bar)*	490	490	490
Max Cont. Speed - High Power Rating (rpm)	180	150	125
Max Cont. Power - High Power Rating (kW)	443	528	630

SMA16L	C1	C1
Nominal Displacement (cc/rev)	13000	16000
Geometric Displacement (cc/rev)	13000	16400
Specific Torque (Nm/bar)	206.9	261.0
Max Pressure (bar)*	490	490
Max Cont. Speed - High Power Rating (rpm)	125	125
Max Cont. Power - High Power Rating (kW)	820	900

- C1 Rotating Shaft Motors
- E1 Rotating Case Motors
- B1 Rotating Case Shaft Motors
- C2 2-Speed Rotating Shaft Motors

* Running conditions that utilise the maximum/peak pressure capabilities of the motor should be kept to a minimum and if utilised, done so as part of a known duty cycle.