Drive and stirring technology for

PHARMA | FOOD | COSMETICS | CHEMICALS | AUTOMATION

Performance data

Rotation speed – performance - air consumption per motor type



MOTOR PMO 450



MOTOR PMO 900



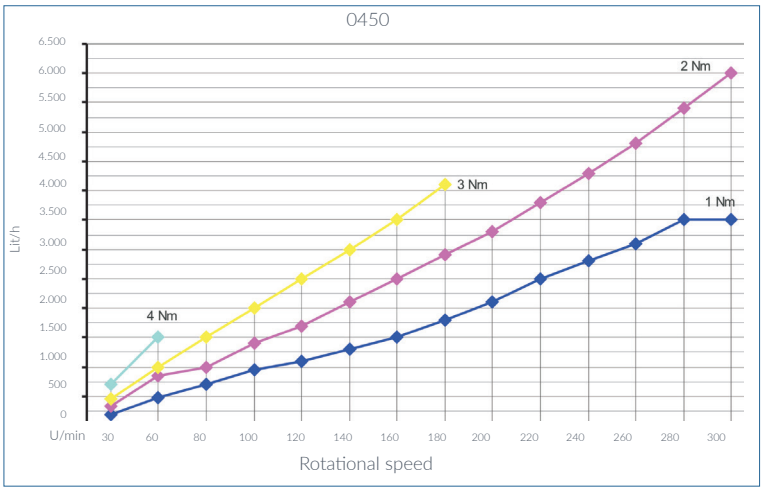
MOTOR PMO 1800



MOTOR PMO 3600

WE GENERATE MOVEMENT IN SPECIAL ENVIRONMENTS.

MOTOR PMO 450



Rotational speed 1/min	30	50	75	100	125	150	175	200	225	250	275	300
Torque Nm	4	4	3	3	3	3	3	2	2	2	2	2
Air consumption l/min	12	21	23	33	43	54	67	54	71	75	88	100

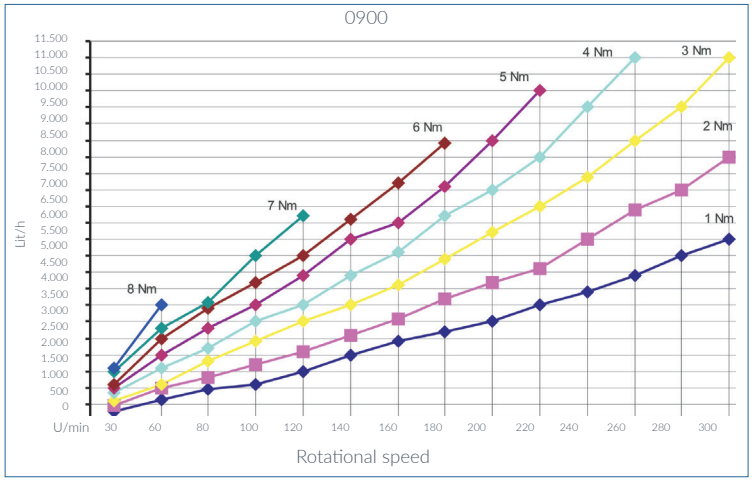
Behavior of the motor when the air pressure changes (with orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	3.6	2.9	2.1	1.5	0.7	-	-
Idle speed [1/min]	320	280	250	207	150	-	-
Air consumption at idle [l/min]	55	45	35	24	11	-	-
Air consumtion at speed 100 1/min [l/min]	25	22	17	12	-	-	-
Torque at speed 100 [1/min]	2.6	2	1.5	0.9	-	-	-

Behavior of the motor when the air pressure changes (without orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	3.6	2.9	2.1	1.5	0.7	-	-
Idle speed [1/min]	575	535	485	412	295	-	-
Air consumption at idle [l/min]	140	115	95	55	29	-	-
Air consumtion at speed 100 1/min [l/min]	20	15	10	<10	<10	-	-
Torque at speed 100 [1/min]	3.3	2.5	1.9	1.2	0.6	-	-

MOTOR PMO 900



Rotational speed 1/min	30	50	75	100	125	150	175	200	225	250	275	300
Torque Nm	8	8	7	7	6	6	6	5	4	4	3	3
Air consumption l/min	26	58	58	83	92	117	133	142	142	175	154	183

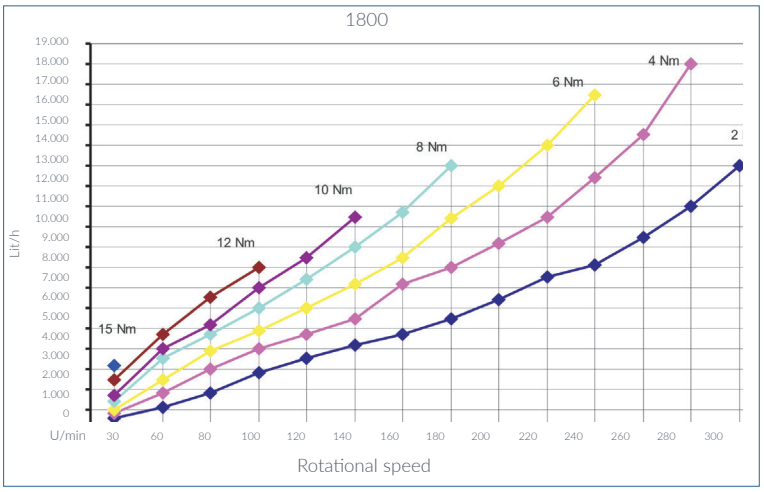
Behavior of the motor when the air pressure changes (with orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	7.5	6	4.6	3.1	1.7	0.4	-
Idle speed [1/min]	280	260	233	200	152	50	-
Air consumption at idle [l/min]	100	87	70	50	30	<10	-
Air consumtion at speed 100 1/min [l/min]	75	60	45	32	20	-	-
Torque at speed 100 [1/min]	4.5	3.6	2.7	1.7	0.7	-	-

Behavior of the motor when the air pressure changes (without orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	7.5	6	4.6	3.1	1.7	0.4	-
Idle speed [1/min]	412	395	372	328	260	90	-
Air consumption at idle [l/min]	240	190	150	120	66	<10	-
Air consumtion at speed 100 1/min [l/min]	55	48	35	25	15	-	-
Torque at speed 100 [1/min]	6.1	4.9	3.7	2.5	1.3	-	-

MOTOR PMO 1800



Rotational speed 1/min	30	50	75	100	125	150	175	200	225	250	275	300
Torque Nm	15	12	12	12	10	8	8	6	6	4	4	2
Air consumption l/min	52	75	103	133	150	167	202	200	233	225	292	217

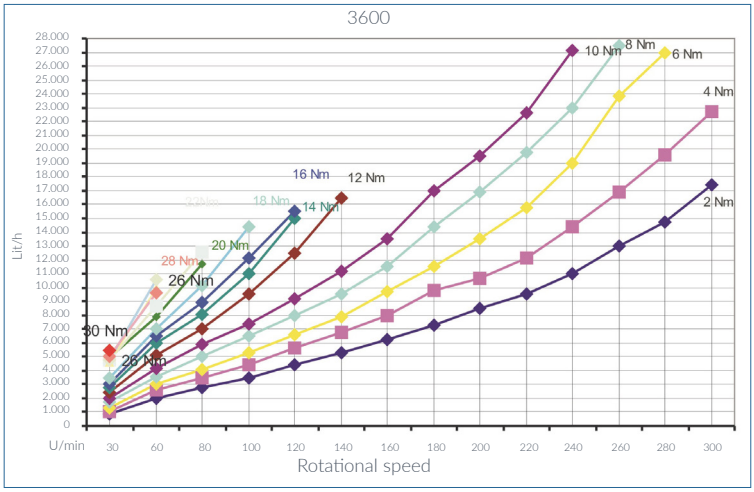
Behavior of the motor when the air pressure changes (with orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	14.2	11.4	9.2	7	4	1.3	-
Idle speed [1/min]	260	235	215	186	148	68	-
Air consumption at idle [l/min]	136	118	102	81	52	15	-
Air consumtion at speed 100 1/min [l/min]	121	104	86	68	43	-	-
Torque at speed 100 [1/min]	7.9	6.1	4.6	3.2	1.4	-	-

Behavior of the motor when the air pressure changes (without orifice (supply air reduction))

Air pressure [bar]	6	5	4	3	2	1	0.5
Starting torque [Nm]	14.5	11.5	9.0	6.3	3.7	1.1	-
Idle speed [1/min]	374	335	335	305	256	142	-
Air consumption at idle [l/min]	400	330	275	210	139	47	-
Air consumtion at speed 100 1/min [l/min]	115	105	90	72	50	31	-
Torque at speed 100 [1/min]	11.7	9.3	7.2	5.0	2.8	0.6	-

MOTOR PMO 3600

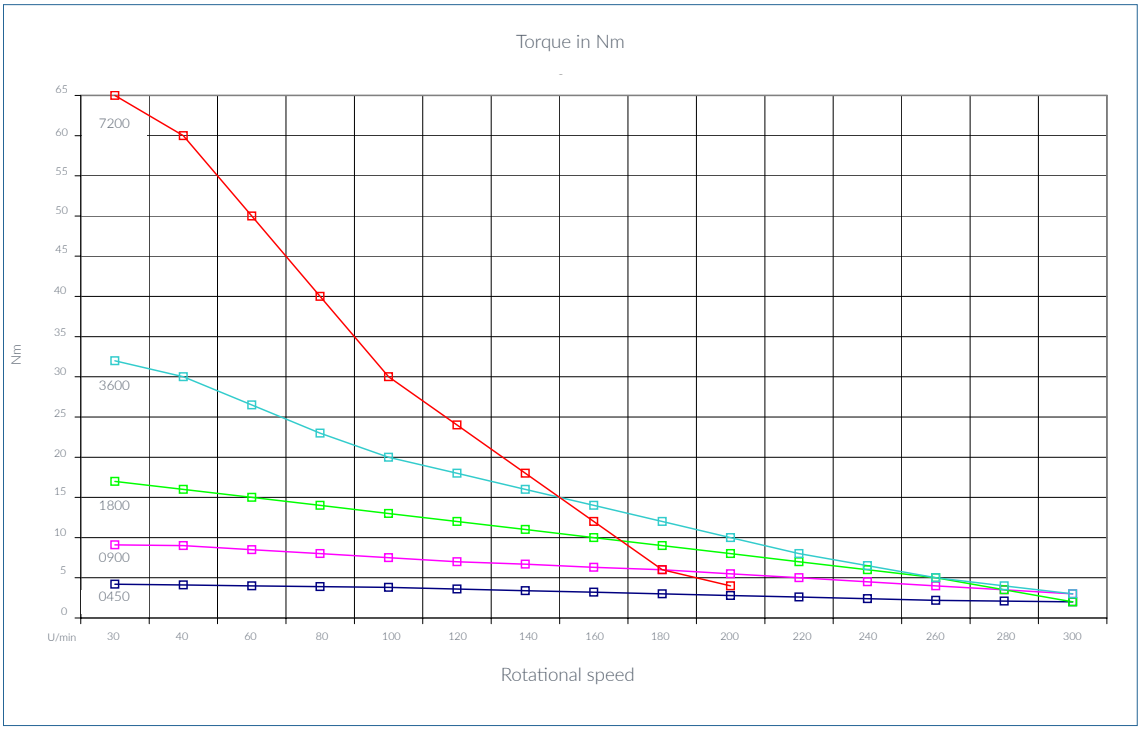


Drehzahl 1/min	30	50	75	100	125	150	175	200	225	250	275	300
Drehmoment Nm	30	28	20	20	12	10	10	10	10	10	6	4
Lauftverbrauch l/min	92	150	167	242	225	217	258	325	392	450	425	375

Behavior of the motor when the air pressure changes (without orifice (supply air reduction))

Luftdruck [bar]	6	5	4	3	2	1	0.5
Anlaufdrehmoment [Nm]	32.5	24.5	19.9	13.7	8.0	2.2	-
Leerlaufdrehzahl [1/min]	250	232	215	190	153	67	-
Luftverbrauch im Leerlauf [l/min]	530	442	340	256	158	52	-
Luftverbrauch bei Drehzahl 100 1/min [l/min]	275	230	192	150	125	-	-
Drehmoment bei Drehzahl 100 [1/min]	19.5	14.5	10.9	6.9	3.0	-	-

TORQUE



PERFORMANCE

