



MP1450 - HP 17,1 KW 12,5

PERFORMANCES AND DIMENSIONS

	8 bar			7 bar			6 bar			5 bar			4 bar			3 bar		
	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm	Couple Min. Of cue Nm	Couple Max. of cue Nm	Couple Stall Nm
	96,04	181,30	148,96	83,30	158,76	128,38	72,52	136,22	107,80	59,78	112,70	86,24	48,02	91,14	65,66	36,26	67,62	45,08
Speed Giri/1'	Power HP	Couple Max Power Nm	Consumption l/sec	Power HP	Couple Max Power Nm	Consumption l/sec	Power HP	Couple Max Power Nm	Consumption l/sec	Power HP	Couple Max Power Nm	Consumption l/sec	Power HP	Couple Max Power Nm	Consumption l/sec	Power HP	Couple Max Power Nm	Consumption l/sec
2000	17,1	59,78	311	14,7	51,94	271	12,2	43,12	231	9,7	34,30	191	7,3	25,48	151	4,8	16,66	111
1800	18,1	70,56	283	15,6	60,76	246	13,1	50,96	210	10,6	41,16	173	8,0	31,36	137	5,5	21,56	100
1600	18,5	81,34	255	15,9	69,58	222	13,4	58,80	189	10,9	48,02	156	8,3	36,26	123	5,8	25,48	90
1400	18,2	91,14	226	15,8	79,38	197	13,3	66,64	168	10,8	53,90	138	8,3	42,14	109	5,9	29,40	79
1200	17,4	101,92	198	15,1	88,20	172	12,7	74,48	146	10,3	60,76	121	7,9	46,06	95	5,6	32,34	69
1000	15,6	109,76	170	13,6	95,06	148	11,6	81,34	125	9,5	66,64	103	7,5	52,92	81	5,4	38,22	58
800	13,5	118,58	142	11,7	102,90	123	9,9	87,22	104	8,1	71,54	85	6,3	54,88	66	4,5	39,20	48
600	10,8	126,42	113	9,4	109,76	98	7,9	92,12	83	6,4	75,46	68	5,0	57,82	52	3,5	41,16	37
400	7,7	134,26	85	6,6	116,62	73	5,6	98,00	62	4,5	79,38	50	3,5	61,74	38	2,5	43,12	27
200	4,0	141,12	57	3,5	121,52	49	2,9	102,90	41	2,4	83,30	32	1,8	63,70	24	1,3	44,10	16

AVAILABLE VERSIONS

MP1450F	flanged
MP1450FV	flanged with control
MP1450P	on base
MP1450PV	on base with control
MP1450BR	Motor with pneumatic brake BR410

Lubrication: 3-4 drops/1' continuous operation
6-10 drops/1' intermittent operation
Horizontal 500 ml Vertical 940 ml.

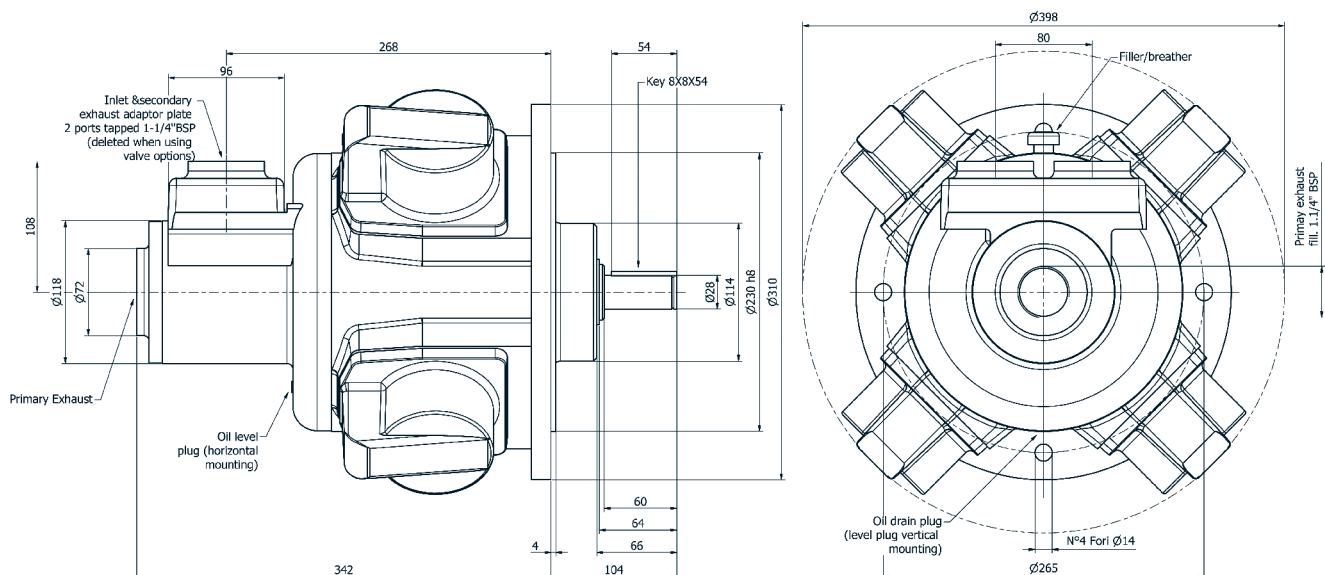
Filtration: 64 µ or better

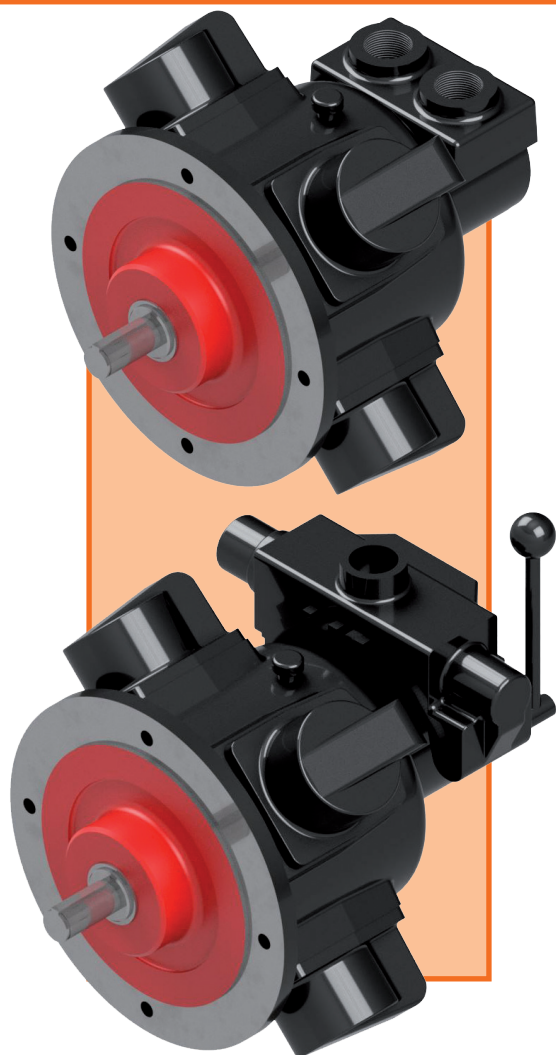
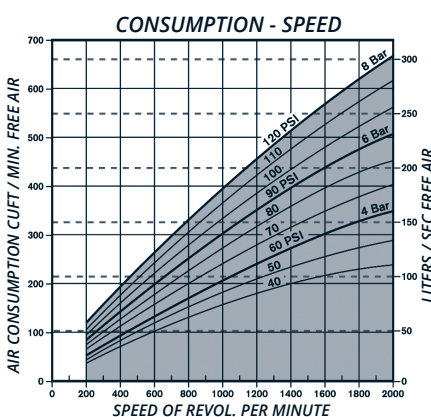
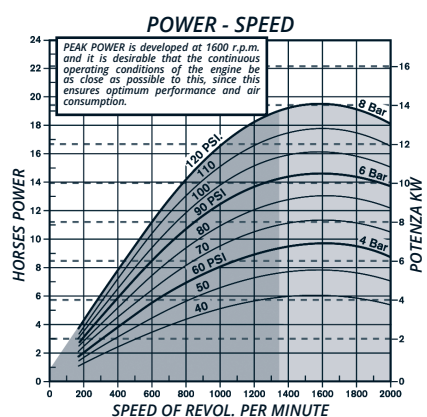
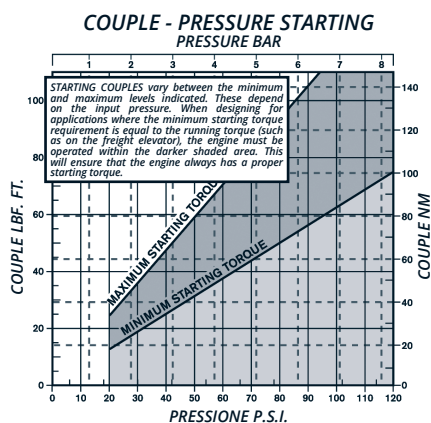
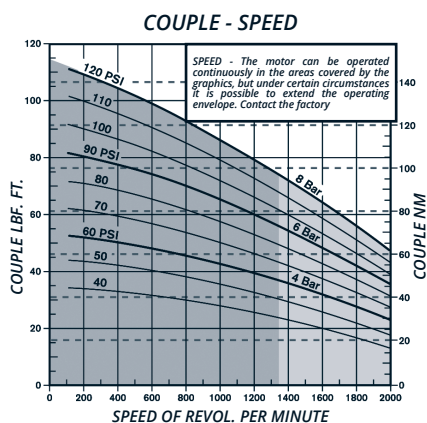
Radial load: 1330 N max.

Moment of inertia: 4,1 g.m

Operative temperature: da -20°C a +80°C

Weight (version MP165): Kg.62





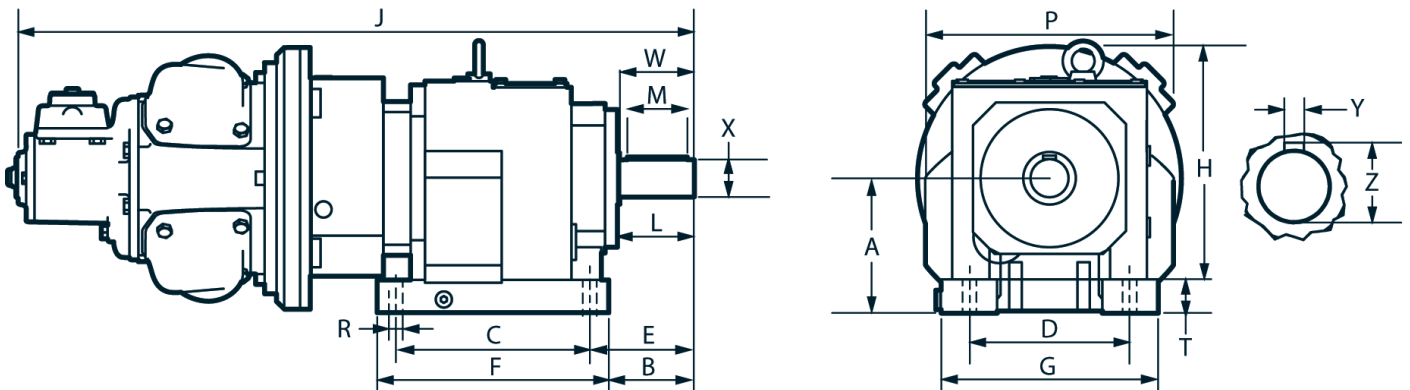
PNEUMATIC RADIAL PISTON GEARED MOTORS

The performance shown below was measured at a pressure of 6 bar. For higher pressures contact TSA. For additional models and reports contact TSA.

Rapport reduction	Conditions at maximum power				Couple min. of cue	Weight Kg		
	kw	hp	Giri/1'	Couple		Gear	Adapter	Motor & gear
				Nm	Nm			
5.06	11.25	15	316	288	317	67	14	143
24.94	11.25	15	64	1422	1564	132	14	208
48.44	11.25	15	33	2761	3037	215	14	291
69.36	11.25	15	23	3954	4349	312	14	388
92.91	11.25	15	17	5296	5825	312	14	388
123.59	11.25	15	13	7045	7749	475	14	551
141.28	11.25	15	11	8053	8858	475	14	551
177.23	11.25	15	9	10102	11112	635	14	711
206.34	11.25	15	8	11761	12938	635	14	711

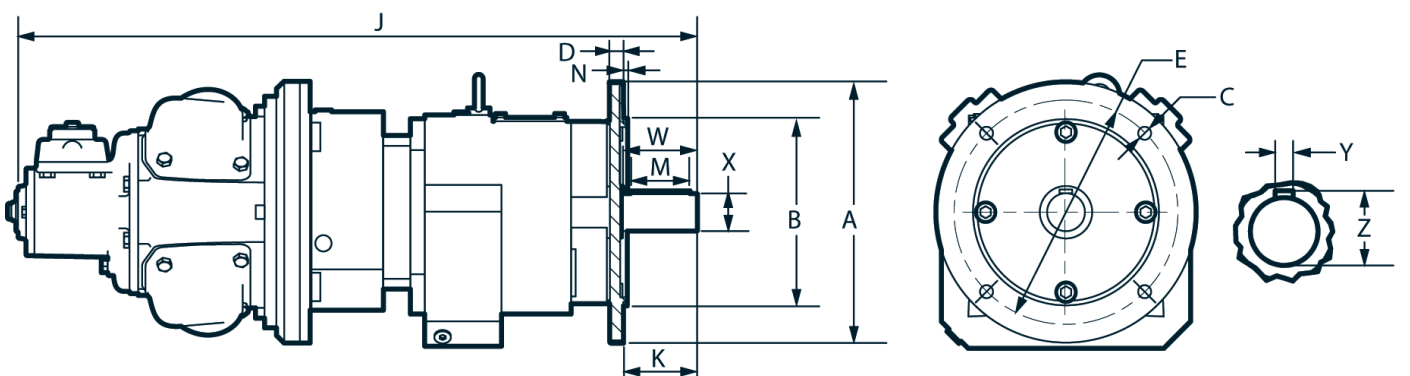
Detailed drawings and CAD models are available on request.

GEAR-MOTOR WITH BASE



Rapport	A	B	C	D	E	F	G	H	J	L	M	P	R	T	W	X	Y	Z	Weight Kg.
3.49-6.72:1	140+35	115	205	170	135	245	235	315+35	865	104	80	350	17.5	30	100	50	14	53.5	143
7.59-17.27:1	180	115	260	215	140	310	290	364	900	104	80	350	17.5	45	100	50	14	53.5	161
19.48-35.14:1	225	132	310	250	159.5	365	340	445	959	125	100	410	22	50	120	60	18	64	208
37.57-57.66:1	250	150	370	290	185	440	400	507	1063	146	110	462	26	55	140	70	20	75	291
62.12-81.04:1	315	220	410	340	260	490	450	578	1163	210	180	510	33	60	210	100	28	106	388

GEAR-MOTOR FLANGED



Rapport	A	B	C	D	E	J	K	M	N	W	X	Y	Z	Weight Kg.
3.49-6.72:1	350	250	17.5	16	300	865	100	80	4	100	50	14	53.5	143
7.59-17.27:1	350	250	17.5	18	300	906	100	80	5	100	50	14	53.5	161
19.48-35.14:1	450	350	17.5	20	400	959	120	100	5	120	60	18	64	208
37.57-57.66:1	450	350	17.5	22	400	1063	140	110	5	140	70	20	74.5	291