

RM110 GEARED MOTOR INSTALLATION DETAILS

Maximum performance details listed below are at 6 bar / 90 psi. The performance under different conditions can be obtained by using the curves on page 6. A typical minimum gearbox efficiency of 90% can be expected. For higher pressures contact SPX Hydraulic Technologies.

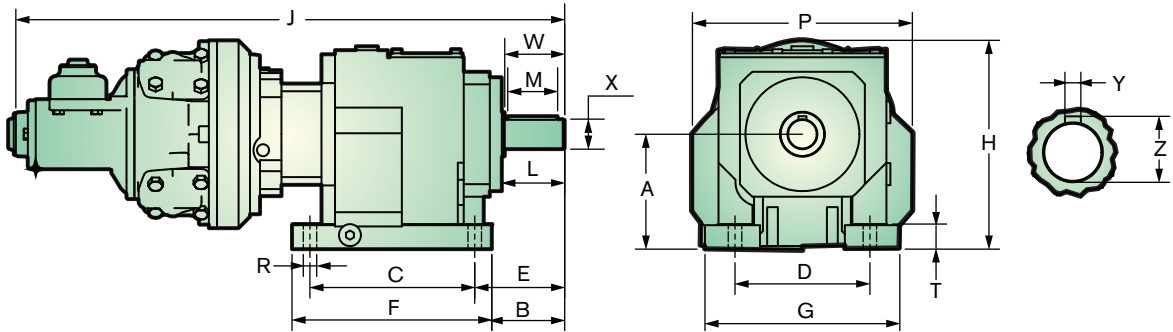
The maximum overhung force is assumed acting midway along the output shaft; for other positions or higher loads on intermittent applications; contact SPX Hydraulic Technologies.

PERFORMANCE SUMMARY

GEARBOX RATIO	MAXIMUM POWER CONDITIONS					APPROX. MIN. START TORQUE		MAX. CONT. rmp	MAX. OVERHUNG FORCE		WEIGHT			
	kW	hp	rpm	Nm	lbf. ft	Nm	lbf. ft		N	lbf.	GEARBOX	ADAPTER	GEARBOX KIT	MOTOR & GEARBOX
4.77	1.2	1.6	440	23	17	28	20	498	1020	229	15.5	4.5	20	33
24.50	1.2	1.6	86	122	90	146	108	97	1990	447	15.5	4.5	20	33
50.00	1.2	1.6	42	250	185	300	221	48	4150	933	26	4.5	30.5	43.5
73.30	1.2	1.6	29	366	270	439	324	32	7690	1729	45	4.5	49.5	62.5
104.80	1.2	1.6	20	524	387	629	464	23	10820	2433	45	4.5	49.5	62.5
129.79	1.2	1.6	16	649	479	779	575	18	18925	4255	79	4.5	83.5	96.5
155.46	1.2	1.6	14	777	573	932	688	15	18925	4255	79	4.5	83.5	96.5
175.18	1.2	1.6	12	876	646	1051	776	14	18925	4255	79	4.5	83.5	96.5
213.64	1.2	1.6	10	1068	788	1282	946	11	18925	4255	79	4.5	83.5	96.5
256.86	1.2	1.6	8	1284	948	1541	1137	9	23515	5287	129	4.5	133.5	146.5

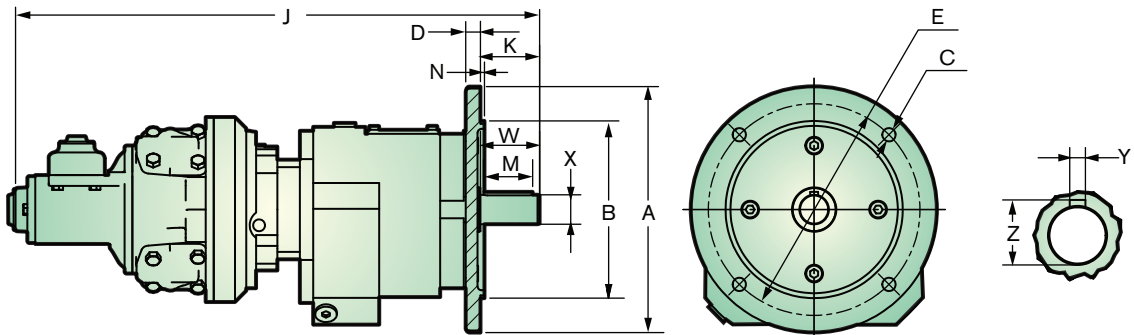
For additional types and ratios contact SPX Hydraulic Technologies.

BASE MOUNTED GEAR BOX DIMENSIONS



RANGE RATIO	A	B	C	D	E	F	G	H	J	L	M	P	R	T	W	X	Y	Z	MASS
4.77 - 24.5:1	90+4.00	60	130	110	75	160	145	184+4	495	53	40	188	9.8	20	50	25.01	8.00	28	33 kg
	3.5"+0.2"	2.4"	5.1"	4.3"	3.0"	6.3"	5.7"	7.4"+0.2"	19.5"	2.1"	1.6"	7.4"	0.4"	0.8"	2.0"	.98"	0.3"	1.1"	72.5 lb
27 - 56:1	115	75	165	135	90	200	195	209	532	63	50	220	13.5	25	60	30.01	8.00	33	42 kg
	4.5"	3.0"	6.5"	5.3"	3.5"	7.9"	7.7"	8.2"	20.9"	2.5"	2.0"	8.7"	0.5"	1.0"	2.4"	1.18"	0.3"	1.3"	92.5 lb
56 - 61:1	115	75	165	135	90	200	195	209	532	63	50	220	13.5	25	60	30.01	8.00	33	43.5 kg
	4.5"	3.0"	6.5"	5.3"	3.5"	7.9"	7.7"	8.2"	20.9"	2.5"	2.0"	8.7"	0.5"	1.0"	2.4"	1.18"	0.3"	1.3"	96 lb
60 - 88.59:1	140	95	205	170	115	245	235	290	601	84	70	263	17.5	30	80	40.01	12	43	62.5 kg
	5.5"	3.7"	8.1"	6.7"	4.5"	9.6"	9.3"	11.4"	23.7"	3.3"	2.8"	10.4"	0.7"	1.2"	3.1"	1.58"	0.5"	1.7"	137 lb

FLANGE MOUNTED GEAR BOX DIMENSIONS



RANGE RATIO	A	B	C	D	E	J	K	M	N	W	X	Y	Z	MASS
4.77 - 24.5:1	200	130.00	11	12	165	495	50	40	3.5	50	25.01	8.00	28	33 kg
	7.9"	5.12"	0.4"	0.47"	6.5"	19.5"	2.0"	1.6"	0.1"	2.0"	.98"	0.3"	1.1"	72.5 lb
27 - 56:1	250	180	13.5	15	215	532	60	50	4	60	30.01	8.00	33	42 kg
	9.8"	7.09"	0.5"	0.6"	8.5"	20.9"	2.4"	2.0"	0.2"	2.4"	1.18"	0.3"	1.3"	92.5 lb
56 - 61:1	250	180	13.5	15	215	532	60	50	4	60	30.01	8.00	33	43.5 kg
	9.8"	7.09"	0.5"	0.6"	8.5"	20.9"	2.4"	2.0"	0.2"	2.4"	1.18"	0.3"	1.3"	96 lb
60 - 88.59:1	300	230.05	13.5	16	265	610	80	70	4	80	40.01	12.0	43	62.5 kg
	11.8"	9.06"	0.5"	0.6"	10.4"	24.0"	3.1"	2.8"	0.2"	3.1"	1.58"	0.5"	1.7"	137 lb

Detailed drawings and CAD models available on request. Ratios above the basic drawing shown are available on request. Alternative gearbox types and arrangements i.e. right angle output, hollow shaft etc. also available.

Modified dimensions for shafts and flanges available on request.