

# RM210 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 15. A typical minimum gearbox efficiency of 90% can be expected. For higher pressures contact SPX Hydraulic Technologies.

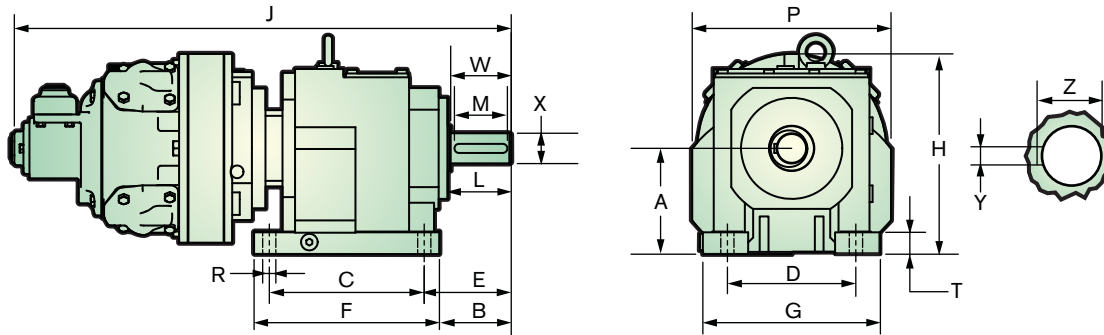
The maximum overhung force is assumed acting midway along the output shaft; for other positions or higher loads on intermittent applications; contact SPX Hydraulic Technologies.

## PERFORMANCE SUMMARY

GEARBOX RATIO	MAXIMUM POWER CONDITIONS					APPROX. MIN. START TORQUE		MAX. CONT. rmp	MAX. OVERHUNG FORCE		WEIGHT			
	kW	hp	rpm	TORQUE		Nm	lbf. ft.		N	lbf.	GEARBOX	ADAPTER	GEARBOX KIT	MOTOR & GEARBOX
				Nm	lbf. ft.									
5.15	3	4	369	77	57	93	68	461	2350	528	30	10	40	66
25.55	3	4	74	383	283	460	339	93	3380	760	47	10	57	83
49.42	3	4	38	741	547	890	657	48	14060	3161	79	10	89	115
74.88	3	4	25	1123	829	1348	995	32	16330	3671	79	10	89	115
105.08	3	4	18	1576	1163	1891	1396	23	20860	4690	129	10	139	165
126.90	3	4	15	1904	1405	2284	1686	19	23515	5287	129	10	139	165
148.99	3	4	13	2235	1649	2682	1979	16	26070	5861	194	10	204	230
171.62	3	4	11	2574	1900	3089	2280	14	31220	7019	194	10	204	230
201.22	3	4	9	3018	2228	3622	2673	12	36770	8267	194	10	204	230
254.70	3	4	7	3821	2820	4585	3383	9	38930	8752	312	10	322	348

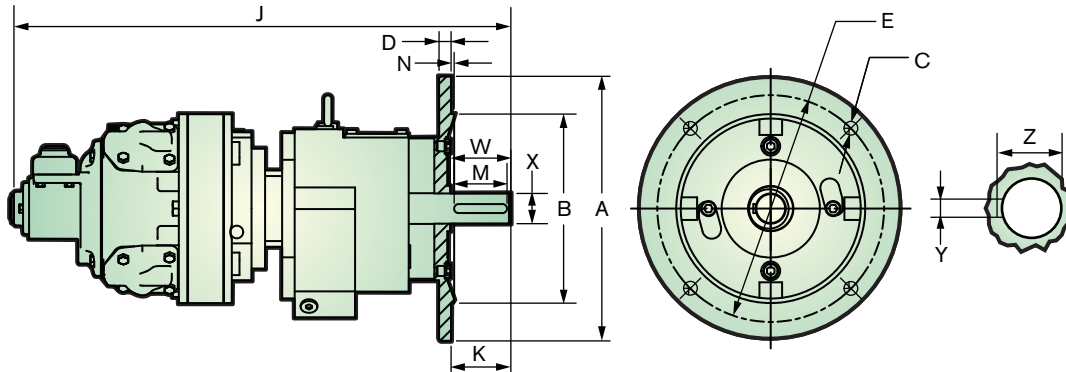
For additional types and ratios contact SPX Hydraulic Technologies.

## 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
4.28 - 20.95:1	115 + 10.00	75	165	135	90	200	195	250	607	63	50	250	13.5	25	60	30.01	8.00	33	65.5 kg
	4.5"+0.4"	3.0"	6.5"	5.3"	3.5"	7.9"	7.7"	9.8"	23.9"	2.5"	2.0"	9.8"	0.5"	1.0"	2.4"	1.18"	0.3"	1.3"	144 lb
21.76- 34.49:1	140	96	205	170	115	245	235	290	657	84	70	263	17.5	30	80	40.01	12.0	43	82.5 kg
	5.5"	3.8"	8.1"	6.7"	4.5"	9.6"	9.3"	11.4"	25.9"	3.3"	2.8"	10.4"	0.7"	1.2"	3.1"	1.58"	0.5"	1.7"	182 lb
41.19 - 74.88:1	180	115	260	215	140	310	290	364	764	104	80	332	17.5	45	100	50.01	14	53.50	115 kg
	7.1"	4.5"	10.2"	8.5"	5.5"	12.2"	11.4"	14.3"	30.1"	4.1"	3.1"	13.1"	0.7"	1.8"	3.9"	1.97"	0.6"	2.1"	254 lb
82.14 - 126.9:1	225	132	310	250	160"	365	340	445	810	125	100	410	22	50	120	60.02	18	64	165 kg
	8.9"	5.19"	12.2"	9.8"	6.3"	14.4"	13.4"	17.5"	27.0"	4.9"	4.9"	16.1"	0.9"	2.0"	4.7"	2.36"	0.7"	2.5"	364 lb

## FLANGE MOUNTED GEAR BOX DIMENSIONS



RANGE RATIO	A	B	C	D	E	J	K	M	N	W	X	Y	Z	MASS
4.28 - 20.95:1	250	180.00	13.5	15	215	607	60	50	4	60	30.015	8.0	33	65.5 kg
	9.8"	7.1"	0.5"	0.6"	8.5"	23.9"	2.4"	2.0"	0.2"	2.4	1.18"	0.3"	1.3"	144 lb
21.76 - 34.49:1	350	250.00	17.5	16	300	658	80	70	4	80	40	12	43	82.5 kg
	13.8"	9.8"	0.7"	.62	11.8"	25.9"	3.1"	2.8"	0.2"	3.1"	1.58"	0.5	1.7"	182 lb
41.19 - 74.88:1	350	250.00	17.5	18	300	743	100	80	5	100	50.01	14	53.5	114.5 kg
	13.8"	9.8"	0.7"	0.7	11.8"	29.3"	3.9"	3.1"	0.2"	3.9"	1.97"	0.6"	2.1"	254 lb
82.14 - 126.9:1	350	250.00	17.5	18	300	803	120	100	5	100	60.02	18	64	164.5 kg
	13.8"	9.8"	0.7"	0.7"	11.8"	31.6"	4.7"	3.9"	0.2"	3.9"	2.36"	0.7"	2.5"	364 lb

Detailed drawings and CAD models available on request. Ratios above the basic range 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.

