

## Vespa Gear Ratio Chart

### Notes

PX / P2 / T5 Top Sprocket = Clutch Sprocket

PX / P2 / T5 Cluster Drive Cog = Large Cush drive gear on gear cluster

V50/90/100/Prim Top Sprocket = Crankshaft Top Sprocket

V50/90/100/Prim Cluster Drive Cog = Clutch Sprocket

Type	Top Sprocket	Cluster Drive Cog	Primary Ratio	1 <sup>st</sup> Cluster Cog	1 <sup>st</sup> Gear Teeth	1 <sup>st</sup> Cluster/ Gear Ratio	1 <sup>st</sup> Overall Ratio	2 <sup>nd</sup> Cluster Cog	2 <sup>nd</sup> Gear Teeth	2 <sup>nd</sup> Cluster/ Gear Ratio	2 <sup>nd</sup> Overall Ratio	3 <sup>rd</sup> Cluster Cog	3 <sup>rd</sup> Gear Teeth	3 <sup>rd</sup> Cluster/ Gear Ratio	3 <sup>rd</sup> Overall Ratio	4 <sup>th</sup> Cluster Cog	4 <sup>th</sup> Gear Teeth	4 <sup>th</sup> Cluster/ Gear Ratio	4 <sup>th</sup> Overall Ratio
<b>P200E GEAR BOX</b>																			
Std. P200E	23	65	2.82:1	12	57	4.75	13.39:1	13	42	3.23	9.10:1	17	38	2.23	6.28:1	21	35	1.66	4.68:1
Malossi/Polini Kit	23	64	2.78:1	12	57	4.75	13.20:1	13	42	3.23	8.97:1	17	38	2.23	6.19:1	21	35	1.66	4.61:1
T5 Primary Gear	20	68	3.40:1	12	57	4.75	16.15:1	13	42	3.23	10.98:1	17	38	2.23	7.58:1	21	35	1.66	5.64:1
<b>T5/PX 125 GEAR BOX</b>																			
T5 Primary	20	68	3.40:1	12	58	4.83	16.42:1	13	42	3.23	10.98:1	17	38	2.23	7.58:1	21	36	1.71	5.81:1
Std P200E	23	65	2.82:1	12	58	4.83	13.62:1	13	42	3.23	9.10:1	17	38	2.23	6.28:1	21	36	1.71	4.82:1
Malossi/Polini Kit	23	64	2.78:1	12	58	4.83	13.42:1	13	42	3.23	8.97:1	17	38	2.23	6.19:1	21	36	1.71	4.75:1
<b>EARLY P125/150X GEAR BOX</b>																			
Early P125/150X	22	67	3.04:1	12	57	4.75	14.44:1	16	54	3.37	10.24:1	20	48	2.40	7.29:1	25	45	1.80	5.47:1
Malossi/Polini Kit	23	64	2.78:1	12	57	4.75	13.06:1	16	54	3.37	9.36:1	20	48	2.40	6.67:1	25	45	1.80	5.00:1
All PX125E+ EFL + EARLY PX150 EFL	20	68	3.40:1	12	57	4.75	16.15:1	16	54	3.37	11.45:1	20	48	2.40	8.16:1	25	45	1.80	6.12:1
LATE PX150 EFL	21	68	3.23:1	12	57	4.75	15.34:1	16	54	3.37	10.88:1	20	48	2.40	7.75:1	25	45	1.80	5.81:1
<b>ALL PX125E + EFL + EARLY PX150EFL GEAR BOXES</b>																			
All PX125E+EFL/Early PX 150 EFL	20	68	3.40:1	12	58	4.83	16.42:1	13	42	3.23	10.98:1	17	38	2.23	7.58:1	21	36	1.71	5.81:1
Early P125/150X	22	67	3.04:1	12	58	4.83	14.68:1	13	42	3.23	9.81:1	17	38	2.23	6.77:1	21	36	1.71	5.19:1
Malossi/Polini Kit	23	64	2.78:1	12	58	4.83	13.42:1	13	42	3.23	8.97:1	17	38	2.23	6.19:1	21	36	1.71	4.75:1
Late PX 150 EFL	21	68	3.23:1	12	58	4.83	15.60:1	13	42	3.23	10.43:1	17	38	2.23	7.20:1	21	36	1.71	5.52:1
<b>LATE PX150EFL ONLY GEAR BOX</b>																			
Late PX 150 EFL	21	A68	3.23:1	12	57	4.75	15.34:1	13	42	3.23	10.43:1	17	38	2.23	7.20:1	21	35	1.66	5.36:1
LL PX125E + EFL + Early PX 150 EFL	20	68	3.40:1	12	57	4.75	16.15:1	13	42	3.23	10.98:1	17	38	2.23	7.58:1	21	35	1.66	5.64:1
Early P125/150X	22	67	3.04:1	12	57	4.75	14.44:1	13	42	3.23	9.81:1	17	38	2.23	6.77:1	21	35	1.66	5.04:1
Malossi/Polini Kit	23	64	2.78:1	12	57	4.75	13.20:1	13	42	3.23	8.97:1	17	38	2.23	6.19:1	21	35	1.66	4.61:1
<b>3 SPEED GEAR BOX AS FITTED TO V90/V100/V100 SPORT</b>																			
V50 Special	16	68	4.25:1	10	60	6.0	25.5:1	16	54	3.37	14.32:1	22	47	2.13	9.05:1				

Type	PK 50XL	15	60	4.0:1	10	60	6.0	24.0:1	16	54	3.37	13.48:1	22	47	2.13	8.52:1		
	V50 N Moped	18	67	3.72:1	10	60	6.0	22.32:1	16	54	3.37	12.53:1	22	47	2.13	7.92:1		
	Polini Kit	21	62	2.95:1	10	60	6.0	17.7:1	16	54	3.37	9.94:1	22	47	2.13	6.28:1		
	V90/100/SP	22	63	2.86:1	10	60	6.0	17.16:1	16	54	3.37	9.63:1	22	47	2.13	6.09:1		
	Polini Kit	23	60	2.60:1	10	60	6.0	15.6:1	16	54	3.37	8.76:1	22	47	2.13	5.53:1		
	Parma Omega Pinasco	27	69	2.55:1	10	60	6.0	15.3:1	16	54	3.37	8.59:1	22	47	2.13	5.43:1		
	Primavera 125 Super Pinasco	24	61	2.54:1	10	60	6.0	15.24:1	16	54	3.37	8.55:1	22	47	2.13	5.41:1		
	Polini Kit	24	58	2.41:1	10	60	6.0	14.46:1	16	54	3.37	8.12:1	22	47	2.13	5.13:1		

**V50 SPECIAL/PK50/PK50XL/125 SUPER (SPANISH)/PRIMAVERA/ET3 GEAR BOX**

V50 Special	16	68	4.25:1	10	58	5.80	24.65:1	14	54	3.83	16.36:1	18	50	2.77	11.17:1	22	46	2.09	8.88:1
PK 50XL	15	60	4.0:1	10	58	5.80	23.2:1	14	54	3.83	15.4:1	18	50	2.77	11.8:1	22	46	2.09	8.36:1
V50 N Moped	18	67	3.72:1	10	58	5.80	21.57:1	14	54	3.83	14.32:1	18	50	2.77	10.30:1	22	46	2.09	7.77:1
Polini Kit	21	62	2.95:1	10	58	5.80	17.11:1	14	54	3.83	11.35:1	18	50	2.77	8.17:1	22	46	2.09	6.16:1
V90/100/SP	22	63	2.86:1	10	58	5.80	16.58:1	14	54	3.83	11.01:1	18	50	2.77	7.92:1	22	46	2.09	5.97:1
Polini Kit	23	60	2.60:1	10	58	5.80	15.08:1	14	54	3.83	10.01:1	18	50	2.77	7.20:1	22	46	2.09	5.43:1
Parma/Omega Pinasco	27	69	2.55:1	10	58	5.80	14.79:1	14	54	3.83	9.81:1	18	50	2.77	7.06:1	22	46	2.09	5.32:1
Primavera 125 Super Pinasco	24	61	2.54:1	10	58	5.80	14.73:1	14	54	3.83	9.77:1	18	50	2.77	7.03:1	22	46	2.09	5.30:1
Polini Kit	24	58	2.41:1	10	58	5.80	13.97:1	14	54	3.83	9.27:1	18	50	2.77	6.67:1	22	46	2.09	5.03:1

Type	Top Sprocket	Cluster Drive Cog	Primary Ratio	1st Cluster Cog	1st Gear Teeth	1st Cluster/Gear Ratio	1st Overall Ratio	2nd Cluster Cog	2nd Gear Teeth	2nd Cluster/Gear Ratio	2nd Overall Ratio	3rd Cluster Cog	3rd Gear Teeth	3rd Cluster/Gear Ratio	3rd Overall Ratio	4th Cluster Cog	4th Gear Teeth	4th Cluster/Gear Ratio	4th Overall Ratio
------	--------------	-------------------	---------------	-----------------	----------------	------------------------	-------------------	-----------------	----------------	------------------------	-------------------	-----------------	----------------	------------------------	-------------------	-----------------	----------------	------------------------	-------------------