

COMPARISONS

- of the helicopter types available to police air support in the Spring 2003.

Including the following types...

Agusta A119 - Bell 206/407 - Enstrom 480 - Eurocopter EC120/EC130/AS350 - MD500/520N/600N - Schweizer S333 - Brantly B2

H/c Type	Rotor Diameter	Fuselage Length	Fuselage Width	Ground Clearance	Fuselage Height	Height Overall	Engine Type	Engine Output	Weight Empty	Weight Max TO	Weight Useful load	Cabin Cabin L	Cabin Cabin W	Cabin Cabin H
A119	10.82m	11.45m	1.62m	0.4m	3.10m	3.50m	PT6B-37	1002shp	1811kg	2720kg	908kg	1.78m	1.61m	1.07m
B206BIII	10.16m	9.54m				3.54m	RR250	420shp	1080kg	1451kg	371kg	1.0m	1.27m	1.28m
B206L4	11.28m	10.1m				3.15m	RR250	490shp	1347kg	2018kg	671kg	1.52m	1.2m	1.28m
B407	10.7m	10.1m	1.5m			3.6m	RR250	791shp	1178kg	2381kg	908kg	1.52m	1.5m	1.28m
En 480	9.8m	9.1m					RR250	420shp	769kg	1361kg	592kg	2.2m	1.79m	1.3m
EC120	10m	9.6m	1.5m	0.56m		3.08m	Arrius	504shp	1210kg	1714kg	505kg	2.3m	1.35m	1.25m
EC130B4	10.69m	10.68m	2.03m	0.56m		3.61m	Arriel	848shp	1369kg	2400kg	1031kg	2.19m	1.865m	1.28m
AS350B2	10.69m	10.93m	1.87m	0.39m	3.14m	3.02m	Arriel	732shp	1171kg	2250kg	1079kg	2.42m	1.65m	1.3m
AS350B3	10.69m	10.93m	1.87m	0.39m	3.14m	3.02m	Arriel	848shp	1174kg	2250kg	1076kg	2.42m	1.65m	1.3m
MD500E	8.05m	7.5m	1.9m			2.9m	RR250	420shp	672kg	1361kg	689kg	2.44m	1.31m	1.52m
MD520N	8.34m	7.8m	1.9m			2.9m	RR250	450shp	719kg	1519kg	800kg	2.44m	1.31m	1.52m
MD530F	8.34m	7.5m	1.9m			2.9m	RR250	650shp	684kg	1406kg	722kg	2.44m	1.31m	1.52m
MD600N	8.4m	9.3m	2.4m			2.8m	RR250	808shp						
S333	8.39m	6.82m				3.40m	RR250	420shp	930kg	431kg		1.98m	1.73m	1.34m
B2B	7.24m	6.62m					IVO-360	180hp	463kg	757kg	294kg	1.83m	1.19m	0.99m
R22	7.67m	6.3m					O-360	131hp	384kg	621kg	239kg	1.31m	1.1m	1.22m
R44	10.05m	9.07m					O-540	225hp	645kg	1089kg	443kg	2.09m	1.27m	1.31m
S300C	8.2m	6.76m					H10-360	190hp	499kg	930kg	431kg	1.25m	1.43m	1.28m

FIGURES DO NOT INCLUDE THE EFFECT OF ROLE EQUIPMENT AND ARE PRIMARILY BASED ON AVAILABLE MANUFACTURERS SOURCES.

2B Robinson R22/44 - Schweizer S300

Cabin	less	Max.	Performance predictions				Claimed	Usable	Claimed	Ex-factory
Cabin V	less bag	Seats	HIGE	HOGE	Max cruise	Ec. cruise	Endurance	Max Fuel	Range	Price \$
4.4m3	0.95m3	8	3350m	2680m	260kph/140kts	210kph			610km	
2.41m3	0.57m3	5			124kts					\$1M
3.41m3	0.57m3	7								
3.55m3	0.57m3	7	5390m	4480kg	246kph	209kph	4.1hr	553 litres	637km	
		5		3750m	202kph				657km	\$0.75M
3.54m3	1.4m3	5	5151m	4785	236kph/127kts	216kph	4.25hr	406 litres	680km	\$1M
3.7m3		8	5875m	5320	255kph/138kts			540 litres		
3.0m3	n/a	6								
3.0m3										
		5	2590m	1830m	248kph/134kt	239kph			488km	
		5	2835m	1707m	230kph/124kt				389km	
		5	4877m	4389m	246kph/133kt	243kph			430km	
		4	3627m	2591m	192kph/105kt	176kph			574km	
		2	2040m		145kph/78kt				400km	\$0.17m
		2	2124m	1585m	177kph/96kts	154kph			592km	
		4	1950m	1554m	209kph/113kts	185kph			643km	
		3	3292m	2612m	159kph/86kts	118kph			360km	

