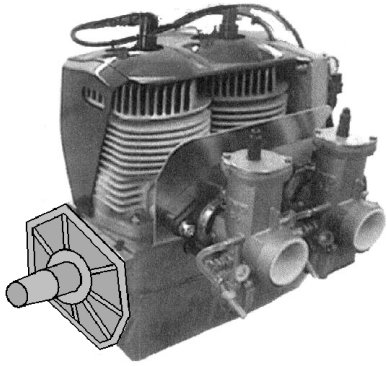




HIRTH 3203 Carbureted - 65 hp



HIRTH's most popular engine. The 3203 produces more horsepower and torque per pound than any other engine in its power class. Hirth 3203 is the forerunner in power plants for the heaviest of ultralight trainers, gyrocopters and light experimentals today.

3203 incorporates Al-Nikasil coated cylinders for superior performance and reliability. Al-Nikasil in simple terms is a nickel based material, applied in a paste form, when super heated it becomes part of the cylinder itself. Al-Nikasil provides for a super low coefficient of friction, reducing engine heat and wear. The pistons and cylinders expand at the same rate thus providing for a seizure resistant engine. 3203 crankshaft is 4130 chromemolly steel. Heads, cylinders, rings, block casting, connecting rods and associated components are all of the highest grade alloys available today.

2706 - 65Hp engine shown with fan cooling

Technical Data:

Model:	3203 2 cycle, two cylinder in line fan cooled	Carburetion:	Dual 38mm slide type or optional fuel injection
Bore:	76 mm	Fuel Pump:	Auxiliary external pneumatic
Stroke:	69 mm	Lubrication:	Premix - 50:1 ratio or optional oil injection
Displacement:	625 cc	Rotation:	Counter clockwise, viewed from output end
Compression:	9.5 : 1	Starter:	12 VDC electric, recoil or both/250 watt charging.
HP Output:	65hp @ 6300 rpm	Cooling:	Optional - Axial fan or free air cooled by prop.
Torque:	56ft. lbs. @ 5700 rpm	Weight:	82 lbs. fan cooled including Elec. start and exhaust.
Ignition:	Single CDI (Capacitive discharge Ignition)		
TBO	1000 Hrs. Rated at 75% power		

Engine	3203 - 65 HP FC
Ign. Timing @ 2000 Carbureted	16° BTC
Ign. Timing @ 2000 Fuel Injected	18° BTC
Spark Plug Heat VI	280
Spark Plug Gap	.020-.024
No. of Carburetors	Two
Carburetor ID #	Dellorto PHBE 34 BD 8
Main Jet	160 : 155 & 158 Available
Idle Jet	40
Jet Needle	K 35
Needle Jet	AB 268
Needle Position	1
Do not exceed RPM	6600
Peak HP RPM	6300
HP @ Peak RPM	65
Peak Torque RPM	6000
Peak Torque Ft. Lb.	55
Maximum CHT	535° F
Maximum EGT @ full power	1256° F
Maximum EGT @ cruise RPM	1330° F
Spark Plug Denso	W24 FSR - U10*

* Optional Plugs: NGK BRGHS
Champion RL86C or #830