

COMPONENTS

Fuel control	Bosch/Teldix P/N 0 438 060 056	--	--
Fuel pump	Bosch/Teldix P/N 0 580 254 944	--	--
Ignition system	Magneti Marelli-system No. 71505405, spark plug: Bosch WB 4 DTC	--	--
Alternators	Bosch/Teldix P/N's		
35A	0 120 488 113		
55A	0 120 469 826	--	--
70A	0 120 468 021		
Starter	Bosch P/N 0 001 111 001	--	--

I. MODELS	PFM3200N01	PFM3200N02	PFM3200N03
PRINCIPAL DIMENSIONS			
Length, mm/in.	973/38.31	--	--
Width, mm/in.	854/33.62	--	--
Height, mm/in.	610/24.02	--	--
WEIGHT (dry)			
Basic engine, kg/lbs. (excludes exhaust system)	179.2/402.9	--	--
CENTER OF GRAVITY (excludes exhaust system, propeller governor, air pumps)			
Rear from prop flange, mm/in.	500/19.69		
Below axis of prop centerline, Mm/in.	120/4.72	--	--
Left of axis of prop, mm/in.	8/0.315	--	--
FUEL (See NOTE 8)			
OIL (See NOTE 9)			

CERTIFICATION BASIS

FAR 33, effective February 1, 1965, Amendment 9. Type Certificate No. E23NE, issued August 30, 1985.

The aviation authority for Germany, Luftfahrt-Bundesamt, originally type certificated this engine. The FAA validated this product under U.S. Type certificate Number E23NE. Effective September 28, 2003, the European Aviation Safety Agency (EASA) began oversight of this product on behalf of Germany.

EASA issued Certification Information No: 2008-02, dated July 1, 2008, to revoke its type certificate for the Porsche PFM3200 series engines.

IMPORT REQUIREMENTS

As of January 1, 2009, new product is no longer eligible for import to the United States.

NOTES

NOTE 1.

The above engine models incorporate the following characteristics:

<u>Model</u>	<u>Characteristic</u>
N01	Oil cooler in return line, thermostat not on engine.
N02	Full flow oil cooler, thermostat on engine.
N03	Basically N01 with higher power output, use AVGAS only.

NOTE 2. The following accessory drive provisions are incorporated:

<u>Drive</u>	<u>Rotation</u>	<u>Speed Ratio to Engine</u>	<u>Maximum Torque (Nm/lb.-in.)</u>		<u>Overhang (Nm/lb.-in.)</u>	<u>Type of Drive</u>
			<u>Continuous</u>	<u>Static</u>		
Starter	CW	14.33:1	11.97.3	19/168	3.5/31	*
Alternator	CCW	1.663:1	7/62	90/796	5.74/50.8	*
Vacuum Pump	CW	0.553:1	3/26.5	30/265	.35/3.1	AND 20000
Propeller Governor	CCW	0.371:1	2/17.7	45/398	1.3/11.5	AND 20010
High Tension Distributor	CCW	0.5:1	0.1/0.9	50/442	0.52/4.6	*

CCW = Counterclockwise

CW = Clockwise

* = supplied with engine as standard equipment

NOTE 3. Ratings are based on ambient conditions: International Standard Atmosphere, sea level.

NOTE 4. Engine operating limits are as follows:

<u>Condition</u>	<u>Power KW/hp</u>	<u>Engine Speed, rpm**</u>	<u>Fuel Flow lb./hr.</u>	<u>Oil Pressure, psi</u>	<u>Oil Temperature, °C/°F</u>	<u>Fuel Pressure psi</u>
Takeoff and Max. Cont.	156/209*(N01,2) 162/217*(N03)	5,300+	110	116	120/248	58-80
Min. Idle	—	900***	5	4.4	40/104	58-80
Starting	—	—	—	116	-25/-13	58-80

*This rating is uninstalled power at sea level and 15°C/59°F air inlet temperature. Fuel enrichment is on providing best power output. Power tolerance is -0, +5% as delivered from Porsche.

**Propeller speed is equal to .442 times the engine speed.

***Idle speed shall be set at 1100 to 1200 rpm.

+Allowed adjustment tolerance is +/- 1%

NOTE 5. External engine component maximum limiting temperatures are specified in the Porsche PFM3200 Installation Manual.

NOTE 6. Information regarding approved fuel filter and oil filter replacement parts is specified in the Porsche PFM3200 Operator's Manual.

NOTE 7. The following fuels are eligible for the PFM3200 engine: Fuels conforming to the Porsche PFM3200 Installation Manual and/or Operator's Manual.

NOTE 8. The following oils are eligible for the PFM3200 engine: Oils conforming to the Porsche PFM3200 Installation Manual and/or Operator's Manual.

NOTE 9. Engine performance data are specified in the Porsche PFM3200 Installation Manual.

- NOTE 10. Engine operating procedure is specified in the Porsche PFM3200 Operator's Manual.
- NOTE 11. Lightning protection requirements and electromagnetic interference emitted by the ignition system including cables are specified in the Porsche PFM3200 Installation Manual.
- NOTE 12. Voltage limits for the ignition control system are 18-32 volts.
- NOTE 13. Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or, for approvals made before September 28, 2003 by Luftfahrt-Bundesamt (Germany). Any such documents including those approved under a delegated authority, are accepted by the FAA and are considered FAA approval.
- Service bulletins,
 - Structural repair manuals,
 - Vendor manuals,
 - Aircraft flight manuals, and
 - Overhaul and maintenance manuals,
- These approvals pertain to the type design only.

---THE END---

CANCELLED