



dry (without accessories)

MWfly SPIRIT SKY LINE ENGINE COMPARISON CHART SPIRIT 100 DIRECT R/L

SPIRIT 122 GEARED R/L



SPIRIT 135 DIRECT R/L

AUTHORIZED DEALER

SPIRIT 140 GEARED R/L







140.4 (104.7) @ 4050 rpm

249 (183.6) @ 3700 rpm

125 (93.2) @ 4000 rpm



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Performance

Max Power [Hp (kW)] Max Torque [Nm (Ft-lb)] Max Continuous Power [Hp (kW)]

Max Engine Speed [rpm] Power/Weight [Hp/Kg (Hp/lbs)] TBO [h]

Engine Data

Engine Type Displacement [cm3 (in3)] Weight [Kg (lbs)]

Dimension L x W x H [mm (in)]

Stroke X Bore [mm (in)] Compression Rate Thermodynamic Cycle Fuel

Fuel Cons. [L/h (USgal/h)] Cooling System Lubrication

Timing System

Timing Driving System

Transmission

Type Transmission Ratio Max Propeller Speed [rpm] Propeller Rotation

Damper

Optional

100.3 (74.8) @ 3400 rpm 205.6 (151.6) @ 3400 rpm 100.3 (74.8) @ 3400 rpm

> 3400 1.35 (0.62) 2200

2201 (134) 74 (163) 593 x 762 x 419 (23.35 x 30 x 16.5)

> 81 x 93 (3.18 x 3.66) 10.3÷1

18.1 (4.8) @ 75 Hp

Direct drive

1 - 1 3400

Active Damping Control (A.D.C.)

110 (82) @ 4000 rpm 4200 1.55 (0.70)

122.2 (91.1) @ 4050 rpm

217.5 (160.4) @ 4000 rpm

2000

4 cylinder boxer

2201 (134) 79 (174) 672 x 762 x 419 (26.46 x 30 x 16.5) 81 x 93 (3.18 x 3.66)

 $10.3 \div 1$

81 x 93 (3.18 x 3.66) $10.3 \div 1$ 4 stroke fuel (Otto cycle) Mo.GAS min. AKI 90, R.O.N. 95, M.O.N. 85, LL100

Active Damping Control (A.D.C.)

34.2 (9.03) @ 120Hp Liquid with mechanical pump

Semi-dry sump, pressure oil feed assisted with internal pump 2 valves per cylinder with S.O.H.C. (Single Over Head Camshaft)

Gear + chain with automatic chain tensioner

Gearbox with helical gear

18.5 (4.9) @ 75 Hp

 $1 \div 1.732$ 2400

Direct drive $1 \div 1$

4700

Elasto-dissipative with Active

Damping Control (A.D.C.) Integrated constant speed hydraulic governor

135.3 (100.9) @ 4550 rpm 218 (160.8) @ 4150 rpm 120 (89.5) @ 4300 rpm

> 4700 1.83 (0.83) 1500

4200 1.77 (0.81) 2000

2201 (134) 2545 (155) 74 (163) 79 (174

593 x 762 x 419 (23.35 x 30 x 672 x 762 x 419 (26.46 x 30 x 16.5) 16.5)

81 x 100 (3.18 x 3.93) $10.1 \div 1$

19.3 (5.1) @ 75Hp

Gearbox with helical gear $1 \div 1.732$ 2400

Elasto-dissipative with Active Damping Control (A.D.C.) Integrated constant speed hydraulic governor

Right (R) or Left (L)





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Electric Data

Generator

Starter

F.R.I.S. (Full Rendundancy Injection System)

Full redundancy ECU's

Full installed engine wiring loom

Internal generator

Voltage regulator

Start relay

Installed inductive coil

Installed cooling circuit expansion tank

Installed cooling circuit thermostat

Engine mount dampers (8)

Fuse & relay (electrical hub)

Capacitor

Standard coolant radiator kit

Front coolant radiators for STOL (2)

Oil radiator kit

Fuel pumps & filters module (2+2)

Standard exhaust system

EMS & sensor kit

CAN aerospace interface

Bed mounting adaptors (4)

Engine-cockpit wiring loom

Hydraulic VPP (constant speed)

Aux generator

Permanent magnet, oil cooled, 225W (12.5V-18A)

Permanent magnet, oil cooled, 260W (12.5V-21A)

Permanent magnet, oil cooled, 300W (12.5V-24A)

Permanent magnet, oil cooled, 260W (12.5V-21A)

Electric 0.65kW with anti-kickback clutch

ECU with dual injection and ignition; altitude and temperature compensation; Limp Home strategy

ACCESSORIES INCLUI	DED WITH ENGINE (STANDAR	D)	
\checkmark	√	\checkmark	√
\checkmark	\checkmark	\checkmark	\checkmark
√	√	√	✓
✓	√	√	✓
✓	√	√	✓
✓	\checkmark	\checkmark	√
\checkmark	\checkmark	\checkmark	√
\checkmark	\checkmark	✓	√
\checkmark	\checkmark	✓	√
\checkmark	\checkmark	✓	√
\checkmark	\checkmark	✓	√
ADDITIONAL ACCES	SORIES (SOLD SEPARATELY)		
\checkmark	\checkmark		√
✓	√		✓
√	√		√
J	1	√	J
./		./	./
V	Y /	V	· /
V	V	V	v ,
V	V	V	V
√	√	√	V
✓	✓	✓	√
	√		√
	\checkmark		✓