



TECHNICAL NETWORK LEADERSHIP

50 cc

Datasheet

Reference : 755855

GENERAL CHARACTERISTICS :

SPECIFICATIONS :

Company Name : XP6 50 cc Trail and Super Motard

Type mines** : FUD1

(** official French body responsible for regulating weights and measures and changes made to motor vehicles).

DIMENSIONS (en mm) :

Length : 2020

Width : 750

Height (without rear-view mirrors) : 1350

Ground clearance : 320

Wheel base : 1330

WEIGHT (in kg) :

Laden weight : 85

STEERING :

Steering column mounted upon rolling bearings.

CAPACITIES (in litres) and RECOMMENDATIONS :

Fuel tank (including reserve) : 6 : super unleaded petrol (95 or 98) only.

Oil sump : 1,1 : semi synthetic or synthetic for two stroke engines with separate oiling. Complies with API TC or JASO FC.

Motor carter : 0,75 SAE 10W30

Cooling system : 0,7 : protection : -20°C

Relay box : *

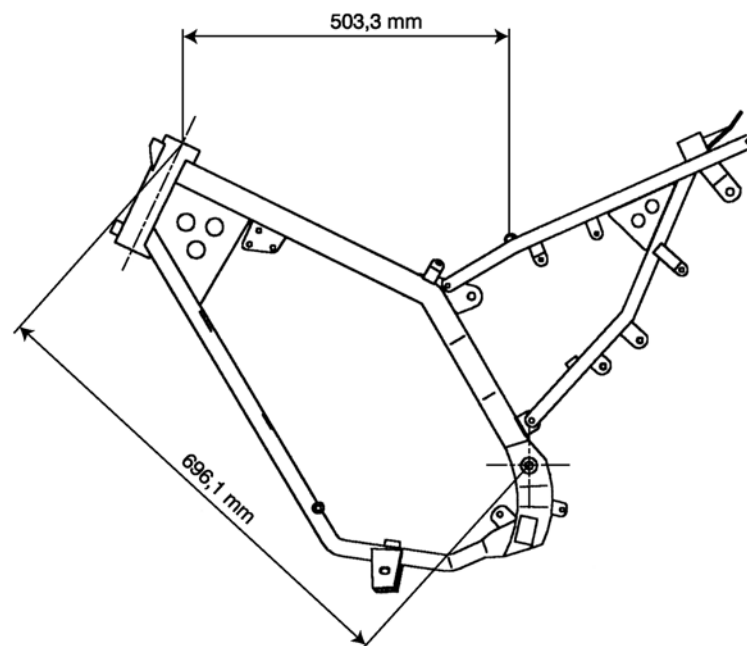
Fork : 0,175 per tube (Esso UNIVIS 46 or AGIP H LIFT 46)

Braking system : DOT3 or DOT4

LUBRICATION :

Separate lubrication by piston pump with variable flow, synchronized with the throttle grip.

Driven by a gear set from the crankshaft.
The oil is injected directly into the carburettor.



* : Not completed

COOLING :

Cooling by pump driven water circulation driven by a gear set from the crankshaft.

Pressurized, sealed circuit with pump, radiator, expansion tank and thermal valve.

ENGINE :

2 stroke single-cylinder, with balance weight.

Direct intake via reed valve, into the crankcase.

Scavenging by 5 transfers.

Cylinder capacity : 49,7 cm³

Bore 1 shore : 40,3 x 39

Max power : 1,82 kW

Max power rating : 5250 rpm

Max torque rating : 5250 rpm

TRANSMISSION :

By pinion and ring integral to the gearbox and the rear wheel through a rollers chain (126 links - pitch : 12,7)

Primary transmission : 20 x 71

Secondary transmission : 12 x 52

Gearbox with 6 ratios.

Oil bath multi-disc clutch with manual control (3 smooth discs, 4 lining discs)

SUSPENSIONS :

Front suspension type : reverse telescopic fork.

Travel : 180 mm

Rear suspension type : oscillating arm with variable flexibility and a combined central hydraulic spring-shock absorber.

Travel : 45 mm

FRONT BRAKE :

Single disc type, hydraulic control.

Diameter of the brake pistons : 32

Disc diameter and thickness : 220 – 4 mm

Mini thickness : 3,5 mm

Diameter of the master-cylinder : 12 mm

REAR BRAKE :

Single disc type, hydraulic control.

Diameter of the brake piston : 32 mm

Disc diameter and thickness : 180 – 3,5 mm

Mini thickness : 3 mm

Diameter of the master-cylinder : 12 mm

WHEELS AND TYRES :

Radius wheels with aluminium rim and tube tyres.

T = Trail

♠ S = Supermotard

	Front	Rear
Rim dimensions T [#] :	1,6" x 21"	1,85" x 18"
Rim dimensions S [♠] :	2,15" x 17"	2,50" x 17"
Tyres dimensions T [#] :	2,5" x 21"	100/80 x 18"
Rim dimensions S [♠] :	110/80 x 17"	130/80 x 17"
Pressures (bar) T [#] :	1,5	1,7
Pressures (bar) S [♠] :	2,3	2,5
Max wheel disc :	*	*
Balance :	*	*

TIGHTENING TORQUES (Nm) :

ENGINE :

Cylinder head : 18

Crankcase : 11

Spark plug : 22

CYCLE PART :

Engine mounting on chassis : 28

Front wheel : 45

Upper nut on the steering column : 60

Rear wheel : 65

Shock-absorber mounting, rear, upper : 43

Inner : 43

ADJUSTMENTS AND CHECKS :

CYLINDER / PISTON :

Ring gap clearance.

Upper : 0,15 to 0,30 mm

Lower : 0,15 to 0,30 mm

CONNECTING ROD/CRANKSHAFT :

Crankshaft run-out : 0,04 mm

CARBURATION :

Carburettor reheated by water with manual starter.

Make : type : DELL'ORTO PHBN 12

Main jet : 78

Idle jet : 36

Needle (type and adjustment step) : A8 3rd step

Starter jet : 45

Mixture screw : 1 rpm ½

Idle adjustment : 930 ± 50 rpm

CO² % adjustment : *

IGNITION :

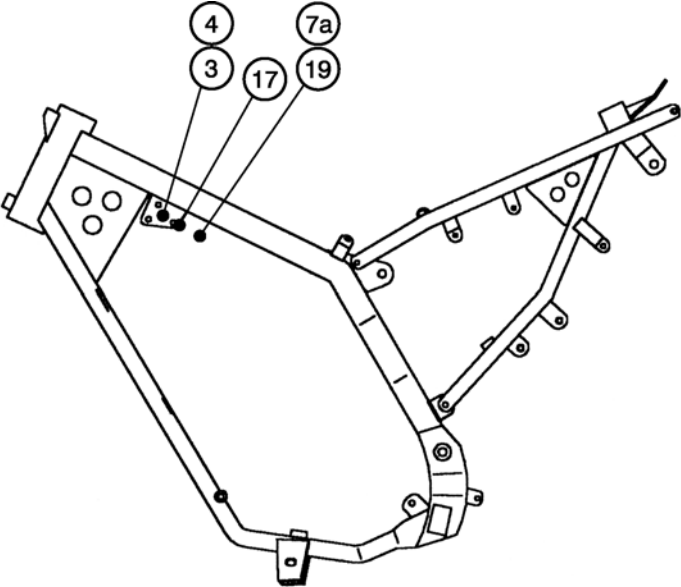
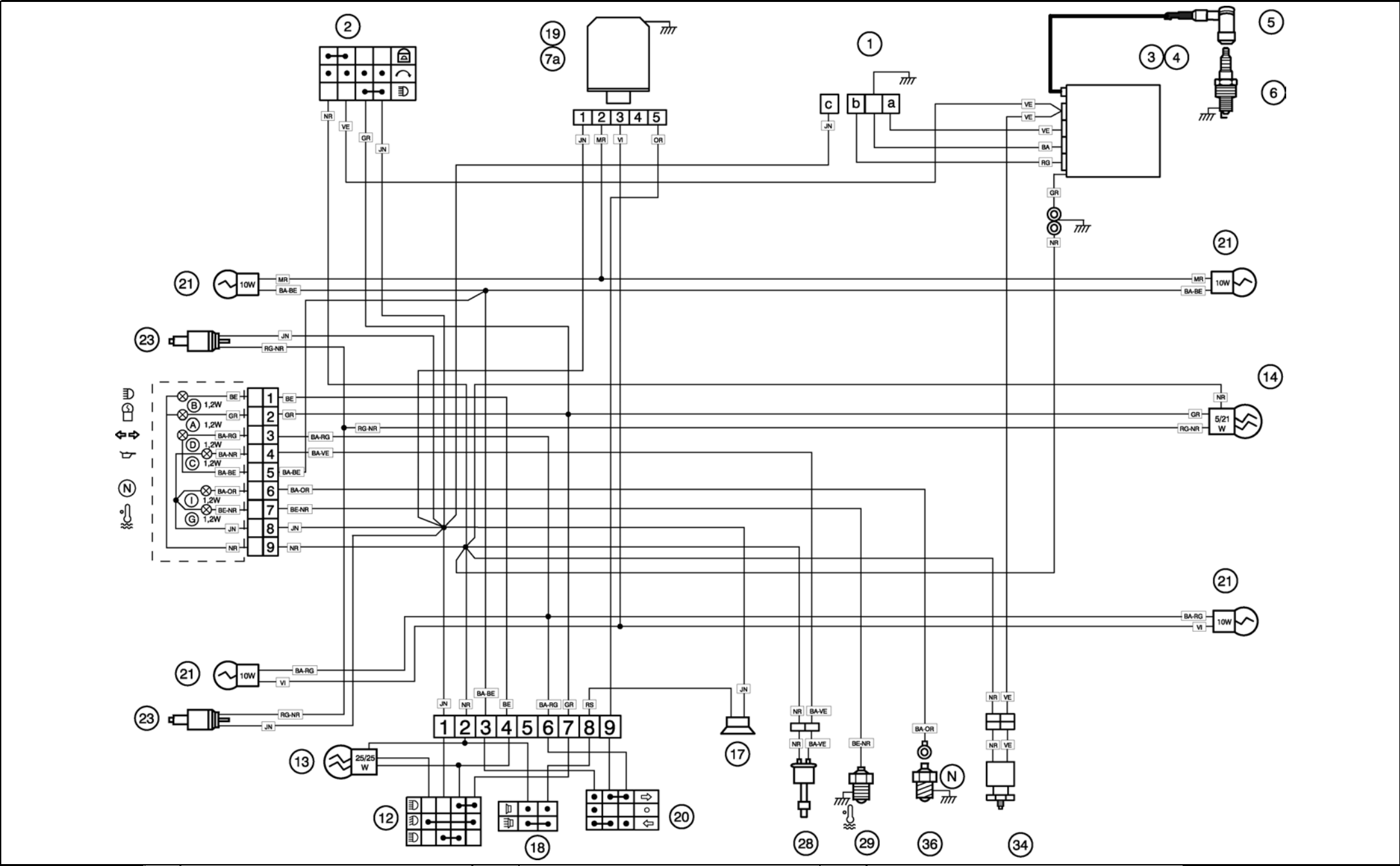
Ignition unit : combined ignition box/high voltage coil DUCATI
Spark plug : NGK BR9ES
Electrode gap : 0,5 mm
Ignition advance : 20° before PMH
Low voltage coil resistance : 700Ω
Secondary winding resistance : 5,2 kΩ ± 20 %
Spark plug cap resistance : 5 kΩ ± 10 %
Pick up resistance : 125Ω

ELECTRICAL EQUIPMENT :

Current generator (type and power) : 12V - 85W
Make : DUCATI
Stator resistance : 0,5Ω
Lighting voltage : alternating current regulation at : 13,5 ± 0,5V

LIGHTING AND FUSES :

	Quantity	Power
Headlamp (code light) :	1	12V - 25/25W
Red stop lamp :	1	12V - 21/5W
Indicator lamps :	4	12V - 10W
Number plate lighting :	*	
Dash board lighting :	1	12V - 1,2W
Instrument panel indicator lamps :	5	12V - 1,2W
Main fuse :	*	
Signaling fuse :	*	
"Side light" bulb :	*	



A Instrument panel lighting	7) Regulator, rectifier (A) : Regulator AC (B) : Regulator-rectifier DC	23) Stop light switch	BA : White
B Main beam control	8) Automatic choke	24) Starter relay	BA-BE : White/Blue
C Oil level warning light	9) Resistor (in line with choke) 6,7Ω - 5W	25) Starter switch	BA-NR : White/Black
D Indicator control light	10) Light switch	26) Starter motor	BC : Light blue
E Fuel gauge	11) Resistor (parallel to lighting) 5,9Ω - 30W	27) Current limiter	BE : Blue
F LED "Anti theft device"	12) Dip switch (main/low headlight)	28) Oil level switch	GR : Grey
G Temperature gauge	13) Headlight	29) Temperature sensor	JN : Yellow
H Warning light "reserve"	14) Stop/tail light	30) Immobilizer	JN-BA : Yellow/White
J Oil pressure warning light	15) Battery	31) Antenna for anti-theft device	JN-BE : Yellow/Blue
K Watch	16) Fuse	32) "Side light" bulb	JN-NR : Yellow/Green
1) Generator	17) Horn	33) Number plate light	JN-VE : Yellow/Green
a : Ignition coil	18) Horn switch	34) Lateral stand switch	MR : Brown
b Pick up	19) Indicator relay	35) Emergency switch (ignition)	NR : Black
c : Alternating current	20) Indicator switch	36) "Neutral" switch (gearbox)	OR : Orange
d : Battery charge current	21) Indicator bulb	37) Oil pressure switch	RG : Red
2) Ignition switch	22) Fuel gauge pickup	38) Cooling fan	RG-NR : Red/Black
3) CDI unit		39) Thermo-switch cooling fan	RS : Pink
4) Ignition coil (high voltage)		40) Electrical carburettor heating	VE : Green
5) Spark plug socket (resistive) 5 kΩ		41) Power supply unit	VE-NR : Green/Black
6) Spark plug (resistive) 5 kΩ		42) Switch "Reserve"	VI : Purple