

# **ATTACHMENTS**

**UNDER SEPARATE COVER**

**Ordinary Council Meeting**

**22 May 2018**



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# HINO 500 Series

## FE 1426 Auto FE 1426 Manual



\* Illustration may contain item not standard to the model

**ADR 80/03 Model  
4 x 2 Cab Chassis**

### KEY FEATURES

- Cruise Control
- Anti-lock Brake System (ABS)
- Anti Slip Regulator (ASR) Traction Control (TC)  
(Manual Models only)
- Easy Start (ES) – Take-off Assist (Manual Models only)
- Automatic Transmission Variants
- Front Axle Stabiliser
- Drivers SRS Airbag
- Heated & Electrically Operated External Mirrors
- Front Underrun Protection (FUP) (ADR 84/00 Complied)
- ISRI 6860/870 Driver seat with integrated Safety Belt
- ECE R-29 Cab Strength Certified

### KEY SPECIFICATIONS

- GVM** . . . . . 14,000kg Opt 12,000kg
- GCM** . . . . . 22,000kg Manual  
21,000kg Auto
- Power** . . . . . 191KW
- Torque** . . . . . 794Nm
- Transmission** . . . . . Six-speed OD synchromesh  
Allison 2500 Five-speed OD
- Wheelbase** . . . 3750mm, 4250mm, 4850mm, 5500mm
- Max Nominal  
Body Length\*** . . 5020mm, 5820mm, 6780mm, 7820mm

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# FE 1426 Auto FE 1426 Manual

## Engine & Driveline specifications

### ENGINE

Model	Hino J07E-TN
Max. output (ISO Net)	191kW (260 HP) at 2400 RPM
Max. output (JIS GROSS)	195kW (265 HP) at 2400 RPM
Max. torque (ISO Net)	794Nm (81kgf/m) at 1500 RPM
Max. torque (JIS GROSS)	804Nm (82kgf/m) at 1500 RPM
Max. engine speed	2400 RPM
Engine compliance	ADR 80/03
Type	Diesel, turbocharged & intercooled, five-cylinder in-line, overhead camshaft & fluid-cooled
Combustion system	Direct Injection with EGR
Bore & stroke	112 x 130mm
Piston displacement	6.403L
Compression ratio	17:1
Engine oil capacity	11.7L
Coolant fluid capacity	23.5L (manual) 23L (auto)
Fuel Injection pump	Electronic control common-rail type
Intake system	Stack-type air intake
Air cleaner	Dual paper elements
Air compressor	Single cylinder, fluid-cooled
Bore & stroke	70 x 40mm
Fan clutch	Equipped
Exhaust	Horizontal outlet
Emission Control System	EGR & DPR meeting ADR 80/03 using EURO 5 STD

### CLUTCH (Manual Models only)

Model	CS-380 series
Type	Dry single plate with damper springs
Facing material	Moulded (non-asbestos)
Facing outside diameter	380mm
Control	Hydraulic with air booster

### TRANSMISSION & GEAR RATIOS

	Automatic		Manual	
	Allison 2500 series 5 speed overdrive with Hino Cable control		Hino LJ06S synchromesh 6 speed overdrive with Cable control	
Gear Ratios	1st	3.512	1st	6.477
	2nd	1.896	2nd	4.382
	3rd	1.439	3rd	2.450
	4th	1.000	4th	1.470
	5th	0.737	5th	1.000
	Rev	5.086	6th	0.723
			Rev	6.064
Torque Converter & Ratio	TC 222	1.58		
Rear Axle Ratio	4.555		4.555	

### PERFORMANCE

Calculations based on 14.0 tonne GVM with 265/75R19.5 tyres

	Automatic	Manual
Engine RPM @ 100km/h	2150	2090
Max theoretical speed (km/h)	113	115
Gradeability tan θ (%) @ GVM	42.2	39.4

### BRAKES

Type	Hydraulic system with two leading shoes front & rear acting on all wheels
Control	Air over hydraulic, dual circuits
Drum diameter x lining width	Front: 370 x 120mm Rear: 370 x 150mm
Air dryer	Equipped
Antilock Brake System (ABS)	Equipped
ASR (Anti Slip Regulator)	Equipped (Manual Models only)
Parking brake	Spring brake, acting on rear wheels
Exhaust brake	Electric-pneumatic with valve in exhaust pipe
Easy Start (ES)	Equipped (Manual Models only)

### AXLE, SUSPENSION & LOAD LIMITS

Front Axle Model & Type		LF 458, Reverse Elliot I-Beam	
Suspension		Tapered leaf springs with shock absorbers & stabiliser	
FRONT	Spring Dimensions	1300 x 70mm	
	Spring Rate	26.8 kgf/mm	
	Axle Limit (including suspension)	5000 kg	
	Tyre Limit	5000 kg	
Rear Axle Model & Type		SH14, fully floating, single reduction, single speed by Hypoid gears	
Suspension		Steel Suspension	Air Suspension
		Tapered leaf springs with shock absorbers	
REAR	Spring Dimensions (length x width)	Main 1300 x 70mm	Auxiliary 900 x 70mm
	Spring Rate	29.1 kgf/mm	104.5 kgf/mm
	Axle Limit (including suspension)	9000 kg	
	Tyre Limit	9440 kg	
		Hendrickson HAS 200 air bag with shock absorbers	

### WHEELS & TYRES

Wheel type	Eight-stud disc wheel (JIS type) PCD 285
Rim size	6.75 x 19.5 – offset 147mm
Tyre size	265/70R19.5 – 140/138
Number of tyres	Seven (including one spare)
Spare tyre carrier	Equipped

### FUEL TANK

Capacity	200L
Type	All steel rectangle
Fuel pre-filter & sedimentor	Equipped
Fuel tank cap key	Equipped

### STEERING

Type	Telescopic and tilt steering column with locking device. Recirculating ball with Integral Power Steering
Gear ratio	19:1
Steering angle	Inside: 42° 30' - 45° 30' Outside: 35°



# FE 1426 Auto FE 1426 Manual

## Cab, Instrumentation & Chassis

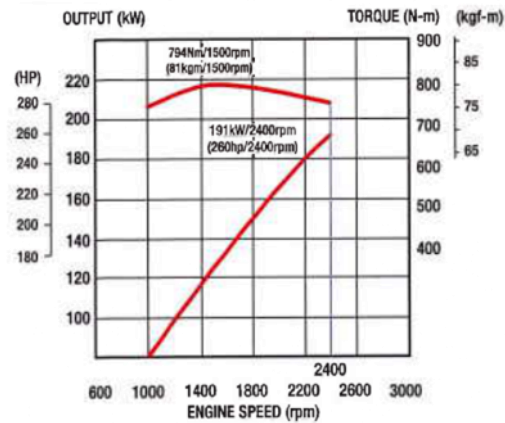
### CAB DETAILS

Type	Forward control, all-steel construction with torsion bar tilt mechanism
Drivers SRS Airbag	Equipped
Seating capacity	Three
Driver's seat	ISRI 6860/870 with urethane foam pads, high-back, lumbar support, multi adjustable, air suspended, with integrated safety belt
Side passenger's seat	Urethane foam pads, high-back & reclining seat with fabric cover & under-tray
Centre passenger's seat	Urethane foam pads & foldaway type with seat back tray, fabric cover
Seat belt	3-point type on driver's & side passenger's seat, 2-point type on centre passenger's seat
Sun visor and overhead console	For driver & passenger sides
Windshield wipers	Electric, dual, intermittent & 2-speed
Ventilator	Forced type by electric blower
Rear view mirrors	External: Electric & heated, two flat type, two convex spotters & kerb view
Cigarette lighter 24V	Equipped
Floor mat	Vinyl type
Front air spoiler	Equipped
Central locking & keyless entry	Equipped with immobiliser
Heater and defroster	Standard
Air conditioner	Standard
Trim	Full trim type (side, roof & back)
Cab pockets	Equipped on both door sides
Power windows	Equipped
Rest area	Equipped
Audio/visual display	DAB+ AM/FM radio with CD & DVD player and Bluetooth
Speakers	Driver & passenger sides
Foot rest	Equipped
Easy Start	Equipped (Manual model only)
Cup holder	Equipped
Cruise Control	Equipped

### ELECTRICAL

Type	24V, negative earth
Batteries	12V x 2, series connection. Capacity 65Ah at 20-hour rate
Alternator type	Brushless with built-in rectifier & voltage regulator
Capacity	24V, 60A
Starter type	24V, 4.5kW
Headlamps	Halogen type including fog lamps
High/low beam	Equipped
Fluorescent reading lamp	Equipped
Electric horn	Equipped

### POWER & TORQUE CHART (ISO Net) J07E-TN



### INSTRUMENTS

- Meters & gauges**  
 Speedometer  
 Odometer with trip meter  
 Tachometer  
 Fuel gauge  
 Coolant temperature gauge  
 Air pressure gauge
- Switches**  
 One-key starting-stopping  
 Lighting  
 Directional indicator, dimmer & passing  
 Wiper & washer  
 Hazard lamp  
 Exhaust brake  
 Map lamp  
 Fog lamp  
 Easy Start (Manual Models only)  
 Cruise Control  
 DPR regeneration  
 ASR off (Manual Models only)  
 Mirror controls  
 PTO (optional)
- Warning, pilot lamps & buzzers**  
 Oil pressure lamp & buzzer  
 Air pressure lamp & buzzer  
 Engine over-run buzzer  
 Coolant level lamp & buzzer  
 Brake fluid lamp & buzzer  
 Brake adjustment lamp & buzzer  
 High beam indicator lamp  
 Turn signal indicator lamp  
 Parking brake indicator lamp  
 Exhaust brake indicator lamp  
 Engine control system lamp  
 Hazard indicator lamp  
 Back-up buzzer  
 ABS warning lamp  
 ASR warning lamp (Manual Models only)
- Others**  
 Idle up control knob  
 Horn button  
 12V electric source
- Multi information display**  
 Fuel consumption  
 Service reminders  
 Warnings  
 Faults

### CHASSIS FRAME

Chassis Frame Dimensions	Short	Medium	Long	Long Air	XLong Air
Type	Ladder-shaped channel section side rails				
Chassis width (at rear)	820mm				
Main section (mm) (depth x flange x thickness)	231 x 78 x 6.5		233 x 78 x 7.5	231.6 x 78 x 6.8	
Tensile strength	540N/mm <sup>2</sup> (55kgf/mm <sup>2</sup> )				
Inner Section (mm)	NA	281 x 60 x 3.2			
Tensile strength	440N/mm <sup>2</sup> (45kgf/mm <sup>2</sup> )				
Front Underrun Protection	Equipped				
Tow Hook (front and rear)	Equipped				

### GENUINE ACCESSORY OPTIONS

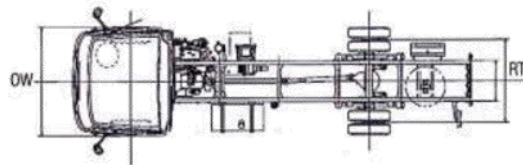
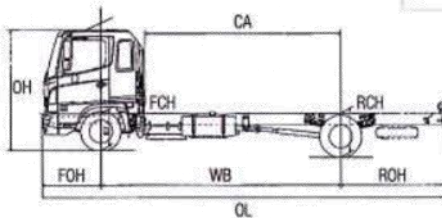
- |                              |  |
|------------------------------|--|
| Bull bar                     | LED driving lights                                   |
| Chrome wheel covers          | Sunvisor   |
| GPS satellite navigation     | Timber dash panel                                    |
| Rear vision camera (up to 3) | Engine driven PTO 1:0.72 step-down or 1:1.08 step-up |
| Stoneguard                   |  |
- Please check with your dealer for price, availability & fitment for these options



# FE 1426 Auto FE 1426 Manual

## 500 Series

### Dimensions



#### DIMENSIONS – mm/capacities

Model Hino FE 1426 Model Code	Auto Transmission				Manual Transmission			
	Short FE7JGMA- UAU	Medium FE7JMA- UAU	Long FE7JLMA- UAU	XLong Air FE7JPMG- UAU	Medium FE7JMA- QAU	Long FE7JLMA- QAU	Long Air FE7JLMG- QAU	XLong Air FE7JPMG- QAU
Max Nominal Body Length* (WB x .6) + CA – 80)	5020	5820	6780	7820	5820	6780	7820	
Wheelbase (WB)	3750	4250	4850	5500	4250	4850	5500	
Overall Length (OL)	6675	7285	8135	9145	7285	8135	9145	
Overall Width (OW)	2240							
Overall Height (OH)	2490							
Cab to Rear Axle centre (CA)	2850	3350	3950	4600	3350	3950	4600	
Front Overhang (FOH)	1185							
Rear Overhang (ROH)	1700	1810	2060	2420	1810	2060	2420	
Front Chassis Height (FCH)	815				815		810	
Rear Chassis Height (RCH)	925			840		925		840
Road Clearance (RC)	200	190						
Front Track (FT)	1760							
Rear Track (RT)	1690							
Turning Circle Kerb to Kerb	13,400	15,000	16,800	18,800	15,000	16,800	18,800	
Wall to Wall	14,800	16,400	18,200	20,200	16,400	18,200	20,200	
Indicative Chassis Mass – kg (standard tools, 10 litres of fuel and spare tyre and subject to a ± 3% tolerance)								
Total	3680	3754	3834	3938	3620	3700	3670	3770
Front	2290	2392	2445	2502	2320	2375	2380	2420
Rear	1390	1362	1389	1436	1300	1325	1290	1345
GVM STD	14,000							
GVM Opt	12,000							
GCM	21,000				22,000			

\*ROH may need to be extended to suit body length

#### WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
500 FE 1426	4 x 2	3 years or 150,000km	36 months

Battery warranty – 12 months from date of delivery  
\* For conditions, refer to the Hino Parts & Service warranty brochure

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer \*



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HS500FE1426-0916

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To: Golden Plains Shire Council	Page: 1 of 24
Ref No. VP103507	Date: 29/03/2018
<b>SUPPLY &amp; DELEVERY OF ONE FLOCON BODY AS SPECIFIED</b>	
From: Rory Knight    Email: <a href="mailto:rory@flocon.com.au">rory@flocon.com.au</a>	Our Ref: 290318

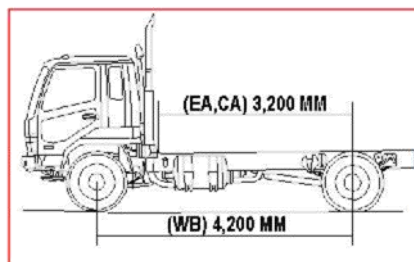
<b>SUPPLY &amp; DELIVERY FLOCON BODY AS SPECIFIED EX GST:</b>	<b>\$ 156,861.50</b>
<b>GST COMPONENT:</b>	<b>\$ 15,686.15</b>
<b>INCLUSIVE GST PRICING:</b>	<b>\$ 172,547.65</b>

**16,000 KGS GVM SINGLE CAB CHASSIS REQUIREMENTS:**

**MEDIUM WHEELBASE MODEL STANDARD TANKS & STORAGE BINS**

**4X2 VEHICLE APPROXIMATE DIMENSIONS:**

Wheelbase:	4,200 mm.
Cab-Axle:	3,200 mm.
Length of Body:	4,500 mm.
Width of Body:	2,400 mm.
Height of Body:	1,000 mm.
Body Capacity;	5.20 m3.



**VEHICLE APPROXIMATE WEIGHTS:**

Cab Chassis Legal GVM:	16,000 kgs.
Cab Chassis GCM:	32,000 kgs.
Front Axle Capacity:	6,000 kgs.
Rear Axle Capacity:	10,000 kgs.
Tare Weight of 16,000 KG Cab Chassis:	4,650 kgs.
Tare Weight of Body HDCC9:	2,600 kgs.
Tare Weight of 16T Cab Chassis & Body:	7,250 kgs.
Approximate Payload 16T Unit:	8,750 kgs.





**1 Body Capacity.**

The body unit is of **5.20 m3 / 8 tonne** capacity and is capable of receiving and discharging a range of products including hot and cold asphalt, sands, soils, gravel, crushed rock, lime, cement up to 75 mm particle size.



**1.1 Body Access Ladder.**

A 3 point contact access ladder will be installed on the left and right front sides of the body.



**1.2 Air Tailgate.**

The unit is fitted with an air cylinder to open and close the tailgate at the rear of the body. The air cylinder opens and closes automatically when the cabin or rear discharge switches are activated on or off. A isolation switch is also fitted at the rear of the body to disengage the air cylinder if the tailboard is required to be open manually.



**2 Inbuilt Hydraulic Conveyor.**

Our offer includes the supply of an inbuilt hydraulic driven slat conveyor operated from a push pull switch situated in the cabin of the truck and also from the rear of the body buy a push button. The conveyor speed is varied by adjustment of a manual speed control lever located in an accessible area on the body. The conveyor is capable of discharging material whether the vehicle is stationary or mobile. The conveyor is able to unload its legal capacity in an even flow without stalling or jamming. The material can be discharged horizontally into any one of the following standard attachments supplied with the body:



**2.1 Directly to the Ground.**

Directly to the ground from the rear of the body via the slat conveyor system with an approximate spreading width of 850mm.



**2.2 Two Man Sandbagging Attachment.**

A quick release attachment for the rear of the Flocon body to enable filling of sand bags by two men. The Flocon unit will need to be located on a ramp to allow the two men at the rear of the unit to stand straight. **(The vehicle will require to be placed on a ramp)**



**2.3 Shovel Bin.**

The shovel bin provides the operator with access to shovel material at a comfortable shovelling height of **500 mm**.



**2.4 Rhyll Maker.**

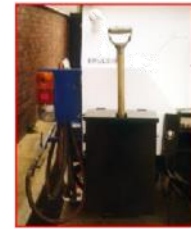
Alternatively, the base of the shovel bin can be removed. This allows the material to fall directly through the shovel bin creating a Rhyll spread



**2 Inbuilt Hydraulic Conveyor. (continued)**

**2.5 Shovel Cleaning Bin.**

Our shovel bin has a capacity for up to two medium sized shovels. The shovels are cleaned by placing 10-15 litres of cleaning fluid in the bin. A hinged splash proof lid minimises spills, and a drainage plug in the base of the bin allows for easy cleaning.



**3 Body Heating and Insulation.**

**3.1 Body Exhaust Heating.**

The body floor is channelled and sealed to receive the exhaust gases for the heating of the body direct from the truck engine.



**3.2 Exhaust Heating Isolation Valve.**

The exhaust system to incorporate a valve to allow the body to be heated or left cold, at the discretion of the operator.



**3.3 Body Insulation.**

The body sides are fully insulated by a fibre-wool material of a minimum 25 mm thick at 80 Kg/m3 density.



**4 Body Hydraulic Operating Systems Available.**

**4.1 Vehicle Engine Drives and Hydraulic Piston Compensator Pumps. (Only if the live drive outlet is available on the relevant cab chassis)**

Our offer includes the supply and installation of a piston compensator pump to fit the already installed live drive engine outlet. The size of the pump or pumps can vary depending on the hydraulic systems requirements for optional body accessories.



The engines piston compensator pump provides an approximate flow of 37 lpm at 1000 engine revs and a working pressure of up to 210 bar. Electric Cabin controlled.

**This engine live drive system will enhance the operation of the Flocon body unit, if available on the cab chassis.**

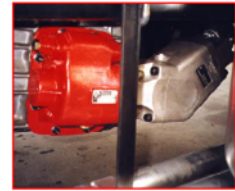


Or;

**4 Body Hydraulic Operating Systems Available. (continued)**

**4.2 Allison 3000/3200/3500 Series Automatic Transmission Power Take Off,s with Single or Dual Hydraulic Gear Pumps.**

Our offer includes the supply and installation of a transmission power take off with single or dual hydraulic gear pumps.  
The size of the pump or pumps can vary on the units hydraulic requirements.



The automatic transmission PTO, pump or pumps combination provides an approximate flow of 37 lpm at 1000 engine revs and a working pressure up to 210 bar is available. Electric Cabin controlled.

The above automatic transmission models are similar to the live drive engine system where the PTO can be selected either in neutral or in gear with the engine running.

**NOTE:**

The Allison 2500 series automatic transmissions are only suitable for vehicle stop, start patching tasks if the PTO and pump combination are directly fitted to either of these transmissions. They are not suitable for vehicle moving spreading applications.

**4.3 Hydraulic System Specifications.**

60-100 litre capacity hydraulic oil tanks are fitted depending on the hydraulic system requirements for optional body accessories.  
The hydraulic oil filter is replaceable.  
12/24 VDC fan forced hydraulic oil coolers can be supplied depending on the hydraulic system requirements for optional body accessories.



The 12/24vdc hydraulic solenoid body operational control valve supplied on the Flocon unit is our standard "twin system valve".  
This allows the hydraulic oil to be supplied and operate two separate body hydraulic functions simultaneously via electric switches.  
Typical of this is we can run the main conveyor and one other hydraulic function together.



Additional hydraulic solenoid body operation valves are supplied depending on the hydraulic system requirements for optional body accessories.

**4.4 Reverse Main Body Conveyor System.**

The main body conveyor system can be reversed enabling the tailboard to be positively locked, avoiding product spillage.  
Operation via a electric reverse conveyor push button switch and simultaneously depressing the electric rear discharge button.



**4 Storage Compartments.**

**5.1 1000 mm Storage Locker.**

A lockable storage tray constructed on the **left side**.  
 The locker is a minimum of 1 metre in length. The locker is fitted with a gas strut to assist opening the lid and 'T' bar type locking handle.  
 The storage locker is fitted with stainless steel weather-proof hinge.



**5.2 2000 mm Storage Locker.**

A lockable storage tray constructed on the **right side** of the body.  
 The locker is a minimum of 2 metres in length. The locker is fitted with gas Struts to assist opening the lid and 'T' bar type locking handles.  
 The storage locker is fitted with stainless steel weather-proof hinge.



**5.3 Sign Storage Tray.**

Our offer includes the supply of a 3-500mm wide sign storage tray positioned between the front of the body and the rear of the cabin for the full width of the truck.  
 Our sign storage tray provides a proper storage of the basic road sign.



**5.4 Left & Right Rear Corner Body Lockers.**

Left and right rear corner lockers are supplied, for minor storage items, when rear emulsion and water tanks are not fitted.  
 Left locker normally stores the emulsion reel and the right can store the water reel and or chemical reel.  
 Fitted with key lockable handles. The storage lockers are weather-proof.



**5.5 0.5m3 Hydraulic Side Tipping Spoil Bin.**

A side tipping spoil bin mounted on the **left side** of the body.  
 The bin is unloaded hydraulically.



**5.6 Shovel, Broom, Rake & Witches hat Storage**

Appropriate bracketry is supplied for all your Shovels, brooms, & rakes all with continent access.

**5.7 Witches Hat Spike.**

One or more witches hat spikes are supplied.

**6 Tarpaulin**

**6.1 12/24 Volt Electric/Hydraulic Operational Self Winding Body Cover.**

Operated from the vehicle cabin by an electric switch, self winding bow type cover with heat treated pvc material supplied fitted with or without side skirts.



**7. Cleaning Agent System.**

**7.1 40 Litre Cleaning Tank.**

Our offer includes a flushing tank connected an electric 24DC pump and reel



**7.2 Chemical Spray System and Steel Hose Reel.**

A electric chemical pump is fitted below the tank and connected to a 6 metre chemical hose on a self retracting steel hose reel, spray gun. The spray gun has a adjustable fan nozzle.



**8 Water System.**

**8.1 Water Tank.**

Our offer includes a **100 litre polyurethane Or Stainless water tank** fitted to the rear of the body cab protector.



The tank includes a filler neck and cap to top fill or is fitted with a breather to fill from a ground level connection.

A hand tap is supplied on the left and right sides of the body.

**8.2 30 Litre Hand wash & Drinking Poly Water Tank.**

A 30 litre poly water tank with hand wash facility.



**9 Compacting Plate Hydraulic Lifters Available.**

**9.1 Kerb Side Compacting Plate Robotic Arm Hydraulic Lifter.**

Hydraulic operation of the compacting equipment carrier to suit single vibrating plates or single trench rammers only.

**(lifter per compaction item is required, vehicle chassis room permitting)**

The hydraulic equipment control swings the plate or trench rammer to the unloading position on the ground.

Then back to the equipment carrier to the storage position for transport.

Adjustable handle pick up facility for varying vibrating plates.

**No manual lifting required.**



**10. Spreading Attachments.**

**10. 500 mm Side Conveyor On Road Edge Maintenance Unit.**

This unit places the truck wheels on the road edge to enable spreading, onto the road shoulder of up to 500mm wide, with emulsion spraying and sweeping available. Operation of the system is via the vehicle cabin and auto controlled filling of the conveyor.



**10. Spreading Attachments. (Continued)**

**10. 500 mm Side Conveyor On Road Edge Maintenance Unit.**

**10.a Cabin Control Operation of Edging Unit Functions as Follows.**

- i Pto cabin switch on.
- ii Hazard Lights.
- iii Body rear discharge conveyor system, switch on.
- iv Pneumatic emulsion sprayer in place, switch on.
- v 500mm hydraulic broom lowered and in place, switch on. (if fitted)
- vi Side conveyor edge attachment and screed board fitted, switch on.



**10.b Multi Volt Ultrasonic Sensor to Control Body Conveyor System.**

An Ultrasonic Sensor is fitted to the rear EMU back plate with a adjustable maximum sense range of up to 300mm and minimum sense range of 60mm.



The sensor when fitted and adjusted to the required material height in the Paver will automatically stop and start the body conveyor system feeding the Paver, eliminating the manual need to push the rear discharge solenoid button. Easily adjustable sensor heights if required.



**10.c Side Conveyor.**

The Side Conveyor is a 2.0 metre rubber belt hydraulic driven attachment. Material from the main hopper slat conveyor system is placed into the Side conveyor edge attachment which moves the material to either the left or right for placement directly into the edging attachment and screed. Material is fed via the body slat conveyor system onto the side conveyor. Fitted with a safety travel strap as shown.



**10. Spreading Attachments. (Continued)**

**10.d 500 mm Edging Attachment.**

A edge maintenance unit which is fitted to the near side of the side conveyor. The EMU,S main function is for road edge repairs up to 500 mm wide at approximately 150 mm deep.

The unit consists of the following items:

1. Material storage attachment, which fits into the end of the side conveyor, via to heavy RHS guides, locking pins and safety brace.
2. Lower material screeding section, pneumatic travel wheel, two floating cast wheels and the following;
  - i. Left & right adjustable side floating plates.
  - ii. left and right rear height adjusters.
  - iii. Adjustable air cylinder and pressure gauge to force the lower material section to the road surface.



**Material Storage Attachment**



**Installed into End of Conveyor**



**Side Brace Connected**



**Lower Screeding Section**



**Pneumatic Wheel**



**Cast Steel Floating Wheels**



**L&R Side Floating Plates**



**L&R Rear Height Adjustment**



**Adjustable Air Cylinder**

**10. Spreading Attachments. (Continued)**

**10.e Pneumatic Emulsion Spray. (NO Emulsion)**

A 500mm width and height adjustable pneumatic operated quick release electric, air and emulsion sprayer is supplied and fitted in front of the side conveyor. The sprayer is height adjustable. A strip can be sprayed in front of the asphalt being laid. The spray is activated and switched of by electric pneumatics.



**10.f Hydraulic Operated Transverse Rotating Jib.**

The body will be fitted with a heavy duty positioning jib and hand winch to remove and fit the Edging Attachment and Screeding Plate. The Side Conveyor Edging Attachment will also contain a storage area at the rear of the conveyor for the Edging Attachment and Screeding Plate when not in use. This will be located within reach of the hoist.

**NOTE:** The Edging Attachment and Screeding Plate can only be stored on Vehicle Cab Chassis with GVM'S of 14000kgs and higher. Smaller GVM'S will allow these units to be too low to the ground where damage may occur. Alternative transport will be required ie... small trailer.





**10. Spreading Attachments. (Continued)**

**10.g 500 MM Auxiliary Broom.**

A auxiliary broom which is fitted to the near side of the vehicle in front of the edge maintenance unit. The broom is fitted with a dust cover. Mounting is in on hydraulic platform, with variable height adjustments and variable broom speed control. **If Room permits for fitting on the vehicle only.**



**10.h Hydraulic Raise and Lower Broom Platform.**

The hydraulic equipment control moves the broom to the sweeping position required and also to the correct height for transport. Mechanical locks are provided in the transport position. The platform is the same as for the compaction equipment and is fitted with a hold back valve to eliminate the platform creeping when placed into the desired sweeping position.



**10.i 12/24 Volt Hydraulic Dual Solenoid Valve.**

The supply of a secondary hydraulic flow control valve is required to operate the side conveyor simultaneously with the body rear discharge conveyor system. Including wiring into the vehicle cabin. The valve has the facility to also accept the hydraulic auxiliary broom system if required.



**11 Safety Warning Equipment.**

**11.1 'B' Type LED Double Sided Arrow Board 12/24 Volt.**

One double sided 1500 mm x 750 mm directional arrow board 12/24 volt. These arrows provide directional information to the rear of the vehicle only. and contain 30 LED lights. 16 amp current draw. 12/24 volt solenoid and air cylinder pressure adjustable to raise and lower the board. Front mounted Pictorial 'Workmen Ahead' logo installed on the board. Includes cabin controller, cables, wiring, brackets and Installation.



**11.2 Led Amber Lights. (Narva 8545A)**

Two or more LED amber lights of the Customers choice are fitted to each side of the body cab protector either with a Pictorial Workman Sign or Arrow Board as required. The beacons are visual from the front and rear of the vehicle. Controlled by a switch in the Flocon control panel located in the vehicle cabin. Fitted with a tell tale LED indicator to alert the operator the beacons are on. The lights can be also fitted with protective cages to avoid Incidental damage from trees etc....



**11.3 Up to Four (4) Colour Rear Vision Camera System.**

12-24 volt 7.0" colour monitor fitted in the vehicle cabin and up to four mounted cameras. A rear mounted camera enables the driver to sight all operators in a larger arc at the rear of the unit. The other camera mountings are of customer choice.



**11.4 Emergency Stop Body Buttons.**

Large emergency stop button, stops all hydraulic body functions immediately fitted in cabin or at the rear of the body.



**11.5 Marker Plates.**

Do Not Over Take Turning Vehicle plates are fitted to the rear of the body on applicable size vehicles only.



**11.6 12/24 Volt Reverse Alarm.**

(In lieu of standard truck reverse alarm)  
77-102 dba self adjusting reverse alarm.

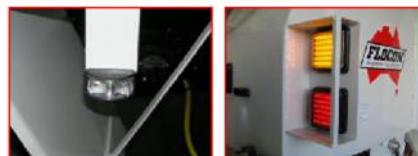


**11.7 Left Side Led Work Light**

A LED work light is mounted on the left-hand side at the Front of the body.

**11.8 LED ADR Vehicle Lighting.**

Led ADR, taillights, no plate, reverse and side lights.



**12 Surface Treatment of Body.**

Our units and associated equipment are prepared and painted in colour conforming to Australian Standards. The unit will be painted as follows.

The complete body will be de-slugged from all welding processes by hand. The complete body will be de-slugged from all welding processes by grinder buffing. The complete body will be degreased. The complete body will be etch primed by 2-3 coats. The body then will be painted in 2K CV Autothane paint to match the vehicle cabin or painted to suit the Customers fleet colours.



The rear surface of the body will be painted in 2K CV white to match the vehicle cabin or to a Customer preference white if the main unit is painted a colour other than white.

**13 Controls.**

All controls for the body inside and outside of the vehicle cabin will be clearly labelled. Cabin controls will be clearly labelled and within reach by the driver/operator.



**14 Installation.**

Our offer includes fitting of the completed unit to the cab-chassis including electrical and hydraulic works. Accurate testing and calibration of the completed unit are carried out. Our completed unit will conform to State and Federal standards including registration requirements.



**15 Noise Levels.**

Noise levels of the body and associated equipment except for breakers Comply with OH&S current noise regulations.



**16 Instruction Books, Workshop Manuals.**

Two copies of workshop manuals and spare parts manuals will be supplied for body, via hard copy or CD format.



**17 Warranty.**

Flocon Road Maintenance Equipment is protected by a **2 year unlimited** warranty for new units. Flocon guarantee that it will either repair or replace free of charge any part that it manufactures and found to be defective in material or workmanship. This warranty is valid from the date Customer takes possession of the unit.



**18 Parts and Service.**

Service and spare parts are available from Flocon Engineering P/L outlets as follows;

- Victoria:** Head Office, 29-31 Apollo Drive, Hallam, Vic, 3803.
- Queensland:** 21-23 Bradford Road, Burpengary, 4505.
- Western Australia:** Unit 4/27 Truganina Road, Malaga, 6062.
- Tasmania:** Briar Banks Engineering P/L, Tea Tree.
- New South Wales:** HTE Maintenance and Spares. Riverstone.

**Spare parts within 24 hours.**



**19 Delivery.**

Delivery for the above is **34-36 weeks** from the receipt of the Customer Official Written Order.  
 This delivery is based on our present workload and material supply conditions. These may vary by the time the order is placed and therefore you should confirm this delivery at the time of order placement. Please discuss this delivery with the writer should it present you with a problem.



**20 Australian Content.**

The Australia content of our Road Maintenance unit is 85%. All manufacturing processes are carried out in our Victoria workshops to adhere to our strict quality procedures.



**21 Operator Instruction and Training.**

Every Flocon unit is demonstrated to the Customer employees by a fully qualified and experienced representative. The time allowed for the operators instruction is approximately 1 day. We have, however, instructed our representative that he should not leave your premises until Customers operators are confident of the operations. We also provide information for the mechanics and supervisors on body maintenance.



**22 Customer Inspection.**

Customers are welcome to inspect the progress of the unit at any time.



**23 VSB6 Compliant.**

The Flocon body is compliant in all facets to VSB6.



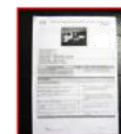
**24 Research and Design.**

**Please Note:**  
**All Manufacturing, Design, Research and Development is produced to suit our Customers individual requirements for their required road maintenance objectives.**  
**Flocon Manufacture equipment to exact Customer requirements.**



**25 Risk Assessment.**

The Flocon body will be supplied with an independent Risk Assessment before delivery.



## **FLOCON UNIT MAINTENANCE COSTS**

### **DAILY MAINTENANCE:**

Check water / kero tank level.  
 Check emulsion tank level.  
 Check all body lighting and switches.  
 Check hydraulic oil level.  
 Clean nozzle on emulsion lance and spray rings.

Labour approximate 30 minutes.

### **WEEKLY MAINTENANCE:**

Check water filter strainer.  
 Check and adjust main conveyor tension.  
 Check water / kero tank level.  
 Check emulsion tank level.  
 Check all body lighting and switches.  
 Check hydraulic oil level.  
 Clean nozzle on emulsion lance and spray rings.

Labour approximate 60 minutes.

### **MONTHLY MAINTENANCE:**

Grease front body shaft bearings.  
 Grease rear body shaft bearings.  
 Check water filter strainer.  
 Check and adjust main conveyor tension.  
 Check water / kero tank level.  
 Check emulsion tank level.  
 Check all body lighting and switches.  
 Check hydraulic oil level.  
 Clean nozzle on emulsion lance and spray rings.

Labour approximate 120 minutes.

### **ANNUAL MAINTENANCE:**

Remove and replace hydraulic oil.  
 Change hydraulic oil filter.  
 Clean out emulsion tank.

Labour approximate 240 minutes.

Costs hydraulic oil \$3.94 per litre x 50 litres:	<b>\$ 197.00</b>
Hydraulic Oil Filter:	<b>\$ 164.32</b>

<b>First Year operational costs approximate Parts only:</b>	<b>\$ 500.00</b>
<b>Second Year operational costs approximate Parts only:</b>	<b>\$ 800.00</b>
<b>Third Year operational costs approximate Parts only:</b>	<b>\$1,300.00</b>
<b>Fourth Year operational costs approximate Parts only:</b>	<b>\$2,800.00</b>
<b>Five Year operational costs approximate Parts only:</b>	<b>\$4,318.00</b>

### **Note:**

If the machine is maintained and operated correctly the unit should be free of damage other than fair wear and tear.

## **FLOCON UNIT REFEREES**

### **FLOCON MULTI PURPOSE UNITS SUPPLIED INTO VIC**

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Maroondah	HDCC8	2018	Mark	0409 548 702
Banyule	HDCC4	2017	David	0438 234 797
Hume City	HDCC8	2017	Trevor	(03) 9205 2338
Geelong	HDCC8	2017		
Wangaratta	HDCC8	2017	Paul	0428 514 303
Wellington	HDCC6	2017	Bruce	0419 594 968
West Wimmera	HDCC8	2017	Shane	0428 415 740
Porter Plant	HDCC8	2018		

Hume, Banyule, Yarra, Whittlesea, Frankston, Standard Roads, City Wide, Dandenong, Geelong, Maningham, Porter Plant, Melton, Boral, Emoleum, Bass Coast, Murrindindi, Yarra Ranges, Wangarratta, Hepburn, Wellington, Moorabool, Cardinia, Mildura, Hindmarsh, Campaspe, Yarra Ranges,

### **FLOCON MULTI PURPOSE UNITS SUPPLIED INTO NSW**

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
RMS	HDCCTD15	2018	Ross Woodley	0419 608 100
Wakool	HDCC7	2016	Peter	0429 346 141
Canada Bay	HDCC7	2017		
Canterbury	HDCC7	2017		
Waverley	HDCC7	2017		
Leichardt	HDCC6	2017		

Blacktown, Holrord, Kiama, Shellharbour, Leichhardt, Canterbury, Sutherland, Randwick, Kuringai, Penrith, North Sydney, Canterbury, Kogarah, Tamworth, Woolongong, Holroyd, Hornsby, Auburn, Randwick, Ku-Ring-Gai, Canada Bay, Liverpool, Tweed, Fairfield, Bankstown, Gosford, Transfield, Woolhara, Porter Plant, Bathurst, Berrigan, Urana, Narrabri, Wakool, Byron, Maclean, Dubbo, Walget, Blayney, Taree, Port Stephens, Harden, Young, Armidale, Wollondilly, AH Plant, Musswellbrook, Cabone, Bega, Orange.

## **FLOCON UNIT REFEREES**

### **FLOCON MULTI PURPOSE UNITS SUPPLIED INTO QLD**

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Mackay	HDCC8	2017		
Morton Regional	HDCC6	2017		
Gold Coast	HDCC6	2017		
Livingston	HDCC6	2016	Tony	0407 399 853
Scenic Rim	HDCC8	2016		

Brisbane, Noosa, Gold Coast, Toowoomba, Qld Transport, Gladestone, Logan, Rockhampton, Redcliffe, Mackay, Caboolture, Hervey Bay, Maryborough, Bungil, Livingston, Tara, Chinchilla, Beaudesert, Smith Bros, Qld Transport, Thuringowa, Kingaroy, Burdekin, Kilcoy, Maroochy, Warwick, Boonah, Cooloolah, Richmond, Banana, Wondai, Kilkivan, Trucks, North, Jondaryan, Ipswich.

### **FLOCON MULTI PURPOSE UNITS SUPPLIED INTO WA**

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Bunbury	HDCC7	2017		
Albany	HDCC7	2017		
Ventia	HDCC7	2017		
Busselton	HDCC7	2017		
Geraldton	HDCC6	2016		
Moora	HDCC7	2016		
Murry Shire	HDCC6	2016		
Port Hedland	HDCC6	2016		
Swan	HDCC6	2016		

MRD Perth, Swan, Victoria Park, Town of Vincent, Cambridge, Melville, Manjimup, Joondalup, Canning, Cockburn, Belmont, Town of Kwinana, City of rockingham, Gosnells, Carnarvon, Kalgoorlie, Murray, BGC Contracting, Greenough,

### **FLOCON MULTI PURPOSE UNITS SUPPLIED INTO SA**

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Charles Sturt	HDCC8	2017	Michael	0423 104 492
Playford	HDCC6	2017	Murry	0408 839 755
Onkaparinga	HDDC8	2017	John	(08) 8384 0183
Campbelltown	HDCC4	2016		
Prospect	HDCC4	2016		
Wattle Range	HDCC7	2015	Whittie	0428 601 650

Port Elliot Goolwa, Burnside, Victor Harbour, Charles Sturt, Adelaide Hills, Campbelltown, Gawler, Salisbury, Alexandrina, Wattle Range, Mount Barker Prospect, Port Adelaide, Tea Tree Gully, Onkaparinga.

## ***FLOCON UNIT REFEREES***

### ***FLOCON MULTI PURPOSE UNITS SUPPLIED INTO TAS***

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Meander Valley	HDCC8	2017	Denis	0427 378 704
Northern Midlands	HDCC8	2017	Lee	0400 120 158
Bernie	HDCC7	2016	Larry	0458 228 337
Clarence	HDCC4/7	2016	Garry	0418 519 041
Launceston	HDCC7	2016	Chris	(03) 6323 356

Burnie, Devonport, Central Coast, West Tamar, Kingborough, Walter Constructions, Meander Valley, Northern Midlands, Sorell, Derwent.

### ***FLOCON MULTI PURPOSE UNITS SUPPLIED INTO NT***

<b>CUSTOMER:</b>	<b>MODEL:</b>	<b>YEAR:</b>	<b>CONTACT:</b>	<b>PHONE NO:</b>
Darwin	HDCC5	2016	Colin	0421 898 105



## OCCUPATIONAL HEALTH & SAFETY POLICY

Flocon Engineering recognises its moral and legal responsibility to provide a safe and healthy work environment for employees, contractors, customers and visitors. This commitment extends to ensuring that the organisation's operations do not place the local community at risk of injury, illness or property damage. Through continuous improvement strategies Flocon Engineering will ensure that these goals are achieved.

**Flocon Engineering will promote Health and Safety within the workplace by:**

- Establishing a set of measurable objectives and targets that are aimed towards the elimination of all work related injuries and illness.
- Ensuring compliance with OH&S statutory law plus relevant codes of practice, Australian Standards and current industry standards.
- Provide documented procedures on matters relating to OH&S and ensure that these are clearly communicated to all employees to ensure safe systems of work.
- Provide information, instruction, training and supervision to employees, contractors and customers to ensure their safety.
- Ensure all employees observe safe work practices and procedures.
- Ensure employees are wear suitable personnel protective equipment where necessary, ie overalls, safety boots etc.
- Provide support and assistance to employees.

**The Manager accountable for implementing this policy in all areas of the business. Management is responsible for:**

- The provision and maintenance of the workplace in a safe condition.
- Involvement in the development, promotion and implementation of health and safety policies and procedure.
- Training employees in the safe performance of their assigned tasks.
- The provision of resources to meet the health and safety commitment.

**Flocon Engineering Employees are responsible for:**

- Following all health and safety policies and procedures.
- Report any known or observed hazards and to report any unsafe work practices to their immediate Supervisor or Manager.

This policy is applicable to Flocon Engineering in all its operations and functions including those situations where employees are required to work off site.

Flocon Engineering is committed to consultation and cooperation between management and employees. Flocon Engineering will consult with elected employee health and safety representatives and employees in any workplace change that will affect the health and safety of any of its employees.

## ENVIROMENTAL POLICY

Flocon Engineering P/L recognises that it has a responsibility, along with all of Australia's citizens whether corporate or individually, to care for and preserve the natural environment for today's and future generations. Work performed by the people at Flocon Engineering is carried out to minimise impact on the environment.

Flocon Engineering P/L acknowledges that, whilst observing the concept of economically sustainable development, compliance with environmental legislation will be achieved as a minimum requirement. These laws place obligations on individual people and the Company to look after the environment in all its activities and place penalties on those who break those obligations.

**Flocon Engineering P/L will align its work practices to comply with ISO 14001 - Environmental Management System - in conjunction with its Quality Policy and Continuous Improvement Program. Flocon Engineering recognises that this approach will lead to its business being run more effectively.**

Through periodic audits of its site and field operations, Flocon Engineering is committed to an ongoing review and improvement of the environmental performance. In the case of accidental discharge, all effort is made to clean up and retribute damage and, where necessary, notify the relevant authorities.

Specifically, Flocon Engineering P/L has invested time and resources to ensure:

- 1) all wash areas and discharge areas on site are lead through separators and interceptors before discharge to storm water or natural drainage
- 2) all oil changes are effected by direct pumping to waste oil tanks
- 3) coolants and cleaning liquids used are biodegradable
- 4) all waste oils, tyres and plant consumables are recycled or dispatched to licensed industrial waste contractors or commercial recyclers
- 5) all office waste is sorted and recycled wherever possible
- 6) recycled office products are used wherever practical and economic
- 7) scrap metal and batteries are properly stored and sold to recyclers / reclaimers on a regular basis.
- 8) all manufactured products are checked before delivery to ensure any oil leakage is attended to.

These measures are constantly reviewed by workplace teams and management, and others added to continually improve Flocon Engineering's P/L processes. All Flocon Engineering's P/L people are inducted and trained on these issues and responsibilities on joining the Company and at regular intervals.

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**FLOCON ENGINEERING PTY. LTD. – TERMS AND CONDITIONS OF CONTRACT**

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**1 PAYMENT TERMS**

Flocon have found the combination of the GST and the present method of company tax collection has placed a considerable strain on our cash flow. This, combined with the pressure to maintain our low prices leaves us with no option other than to request a deposit be placed with us on the presentation of the order.

All customers must supply an official order for goods and 30% deposit of the contract value at order placement. Where no deposit is present at the start of the order, the terms of payment are strictly full payment prior to delivery. On completion of the unit, Councils and Government type organisations will be supplied with the goods and an invoice for the balance of money, this is to be paid within 14 days of the invoice date. All other types of organisations, the terms for the balance of the payment are strictly COD, payment being made by cheque or EFT prior to the item leaving Flocon Engineering's premises at Hallam, Victoria. Prior to any commencement of work, both parties will agree in writing to all conditions and methods of payment.

Flocon reserve the right to not supply goods to a customer if an account is unpaid or payment conditions are not adhered.

All prices quoted are exclusive of GST unless otherwise stated. GST is additional to the price quoted and will be charged on all items sold by Flocon Engineering Pty Ltd.

Payment can be made to Flocon by, direct debit, Certified Bank Cheque, Master Card, Bank Card or Visa Card or authority from a finance company.

**FLOCON'S PAYMENT DETAILS ARE AS FOLLOWS:**

**Cheques**

Made out to: Flocon Engineering Pty Ltd  
Address: 29-31 Apollo Drive – Hallam Vic 3803

**EFT Details**

Account Name: Flocon Engineering Pty Ltd  
Bank: Bank of Melbourne – Fountain Gate Branch  
BSB: 033 391  
Account No: 38 0004

**2 DELIVERY / DEMO**

The following conditions will apply in the event that Flocon Engineering has priced to provide a delivery / demo option within the contract price.

- a) Unit will be delivered to the end-user for the demo and handover. If this does not occur or is not practical because of factors such as pre-delivery on the cab chassis, clause (b) and (c) will apply.
- b) If Flocon personnel are not able to complete the demo function on the day of arrival and personnel are required to stay, all additional costs for the stay will be charged to the customers account.
- c) Where personnel are required to undertake the demo function after the unit delivery has occurred, all costs will be to the customers account.

**3 INSURANCE OF CUSTOMER'S PROPERTY**

Customers must ensure that their property (cab chassis and all other goods) are covered by their insurance while the unit/equipment is stored on the premises of Flocon Engineering Pty Ltd or within transit to and from Flocon Engineering Pty Ltd.

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**FLOCON ENGINEERING PTY. LTD. – TERMS AND CONDITIONS OF CONTRACT**

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**4 RETURN OF GOODS**

- 4.1 Specially procured or manufactured goods are non-returnable.
- 4.2 Goods will be accepted for credit only if the return has been authorised by Flocon, the freight is prepaid, the return is within (14) fourteen days of purchase (Invoice date) and all relevant invoice details are included with the return. In all cases, credits will be issued only if returned goods are not damaged, in original carton and are suitable for resale.

**5 WARRANTY**

- 5.1.1 Flocon Engineering shall in no event be liable for consequential or incidental damages including, but not limited to, injury to a person or property of the buyer or others, machine down time, losses and expenses incurred by the buyer arising from the use of the equipment, penalty clauses accepted by the buyer.
- 5.1.2 Unless otherwise specified in writing, the warranty is that goods supplied are free of defects in design, material and workmanship. The warranty is valid from the date the purchaser takes possession of the goods.
- 5.1.3 During the warranty period, the warranty will be made null and void should a person attempt to repair a unit without the permission of Flocon Engineering Pty Ltd.
- 5.1.4 Customers wishing to claim warranty must provide an order number and the serial number of the unit to be repaired. No action will be taken without an order number.
- 5.1.5 Goods under claim for warranty must be returned to Flocon within 14 days of the claim date. Flocon will assess the warranty, provide a service report to the customer on both claims approved and rejected, provide a no cost invoice in the event the claim is approved or an invoice to be paid under our payment terms in the event that the warranty claim is not approved.
- 5.1.6 All goods supplied in a claim for warranty will be invoiced at the time of dispatch. In the event that our assessment approves the claim as a warranty, a credit will be passed for the invoice.

**5.2 NEW MANUFACTURED EQUIPMENT**

- 5.2.1 Parts manufactured by Flocon Engineering Pty Ltd for new equipment are subject to 2 years warranty. Our obligation is limited to repair or replacement of the component F.O.B factory under this warranty. This warranty does not obligate Flocon Engineering Pty Ltd to bear any cost of labour for field replacement. Flocon will either repair or replace free of charge any part manufactured by Flocon that is found to be defective in design, material or workmanship for the warranty period.
- 5.2.2 All other goods used in the construction of the body are subject to the individual supplier's warranty.
- 5.2.3 Flocon will provide labour and material subject to (5.1) should the unit be returned to our premises in Hallam
- 5.2.4 Flocon may provide the labour in the field to carry out repairs in the event of a warranty claim. In these circumstances, we expect our staff to be on site within 48 hours of the report of the problem/warranty claim.
- 5.2.5 Flocon may use sub-contractors to carry out the repair. If this is necessary Flocon will arrange for the sub contractor. Payment to the sub-contractor will be honoured only if an official order is supplied from Flocon. . It is expected that the contractor will liaise with Flocon on a continuous and ongoing basis in order to expedite the repair in the shortest and most economical manner.

**FLOCON ENGINEERING PTY. LTD. – TERMS AND CONDITIONS OF CONTRACT**

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**5 WARRANTY – (CONTINUED)****5.3 WARRANTY - REFURBISHED EQUIPMENT**

5.3.1 All reclaimed parts have no warranty. All new parts manufactured by Flocon Engineering Pty Ltd on refurbished equipment are subject to a 12 month warranty period. Our obligation is limited to repair or replacement of the component F.O.B factory under this warranty. This warranty does not obligate Flocon Engineering Pty Ltd to bear any cost of labour for field replacement. Flocon will either repair or replace free of charges any part manufactured by Flocon that is found to be defective in material or workmanship for the warranty period.

5.3.2 All other new goods used in the construction of the body are subject to the individual supplier's warranty.

5.3.3 Flocon will provide labour and material subject to (3.1) and (3.2) should the unit be returned to our premises in Hallam

5.3.4 Flocon may provide the labour in the field to carry out repairs in the event of a warranty claim. In these circumstances, we expect our staff to be on site within 48 hours of the report of the problem.

5.3.5 Flocon may use sub-contractors to carry out the repair. If this is necessary Flocon will arrange for the sub contractor. Payment to the sub-contractor will be honoured only if an official order is supplied from Flocon. It is expected that the contractor will liaise with Flocon on a continuous and ongoing basis in order to expedite the repair in the shortest and most economical manner.

**5.4 LOOSE SUPPLIED COMPONENTS**

All goods supplied are guaranteed against defective material and workmanship, but not against failure or damage arising from faulty incorrect fitting or misuse. The Companies liability for faulty or wrongly supplied goods is limited to the refund of the invoiced value or the replacement of the goods. This guarantee is limited to our suppliers warranty only. A restocking fee may be applicable on goods returned.

**6 SERVICE**

The first service on a new Flocon body is labour free at our premises in Hallam (Victoria). Charges for oils and non-warrantable damaged components if required will be invoiced at the ruling rate.

**FLOCON ENGINEERING PTY. LTD. – TERMS AND CONDITIONS OF CONTRACT**

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**7 RETENTION OF TITLE**

All goods delivered to the Purchaser (“the Goods”) shall remain the property of Flocon Engineering Pty Ltd, ABN 19 006 129 040 (“the seller”) and shall not pass to the Purchaser until the purchase price for the Goods has been paid in full and received by the Seller.

Until title to the Goods passes:-

1. The Seller shall have authority to retake, sell or otherwise deal with and/or dispose of all or any part of the Goods;
2. The Seller and its agents and employees shall be entitled at any time and without the need to give notice, enter upon any property upon which the Goods or any parts are stored, or upon which the Seller reasonably believes them to be kept;
3. The Buyer shall store or mark the Goods in a manner reasonably satisfactory to the Seller indicating that the title to the Goods remains vested in the Seller; and
4. The Buyer shall insure the Goods to their full replacement value, and arrange for the Seller to be noted on the policy of insurance as the loss payee.

Irrespective of whether title to the Goods remains vested in the Seller, risk in the Goods shall pass to the Buyer upon delivery.

Flocon Engineering PTY LTD