

Plant and Equipment Risk Assessment

Part A: Risk Assessment Summary

Risk Rating Key:

V.High

High

Medium

Acceptable



Product:	K9-2		
Plant Usage/Task Description:	The K9-2 is a petrol driven skid steer power plant designed for a single operator standing on a rear platform. The K9-2 is designed to operate with a range of specialised Dingo attachments. It is not designed for or intended for use with any other brand of attachment or Dingo attachments designed for larger models.		
Hazard Identification & Risk Assessment:	Entanglement	Electrical Safety	Thermal Comfort or UV Radiation
	Crushing	Fire or Explosion	Traffic Management
	Cutting, Stabbing, Puncturing	Slips, Trips and Falls	Chemicals
	Shearing	Working at Heights	Dust
	Friction	Suffocation (confined spaces)	Noise
	Striking	Hot Surfaces	Vibration
	High Pressure Fluid	Manual Handling and/or Ergonomics	Rollover
Standard Control Measures:	1. Cylinder lock present to prevent accidental release of arms and attachment (engineering). 2. Dingo machine mass has been designed to have a low centre of gravity. A low centre of mass increases Dingo stability, and provides protection from rollover (engineering). 3. Controls are self neutralising to prevent inadvertent movement when an operator is not in control 4. Hydraulic oil within double braided hose with burst pressure of 16000 psi. Maximum pressure achieved by Dingo K9-2 is 3000 psi (engineering). 5. Electrical cables enclosed and sealed within chassis (engineering).		

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	6. Rubber inserts on platform that improve operator comfort, provide additional grip and reduce plant vibration. (engineering / design).
	7. Simple linkage system reduces the need to handle attachments which can be fitted without or with reduced manual handling (engineering).
	8. Spark resistant plastic fuel tank located away from heat and ignition sources (engineering).
	9. Body opens up to allow good access for maintenance purposes (engineering)
	10. Read Dingo 'Operation and Maintenance Manual' including warning "Do not carry a load or heavy attachment with the dingo arms in a raised position". Further, "Do not operate on or near embankments". "Do not operate on slopes exceeding 15 degrees". If a slope is greater than 5 degrees, only go up or down - not across (Administration).
	11. Operation and maintenance manual has warnings outlining operator's responsibility to operate away from pedestrians and establish appropriate isolation measures (Administration).
	12. Warning signage in vicinity of shearing point present (arms of dingo when lowered) (administration).
	13. Operational Manual and safety video provided with all purchases. Training is also provided to all purchasers of plant. Operator's manual details safe operation of K9-2. Safety cards are with the machine and provided to all personnel who hire the Dingo (administration).
	14. Safety decals located on plant. Please ensure all signs are read and understood (admin).
	15. Re-fuelling procedures and maintenance requirements contained within the operation and maintenance manual (administration).
	16. Dingo 'Operation and Maintenance Manual' has safety warning informing of the risks of Carbon Monoxide poisoning when operating indoors or within a confined space (administration).
	17. Dingo 'Operation and Maintenance Manual' has safety warning not to operate equipment while under the influence of drugs or alcohol
	18. Dingo Equipment Australia offer the following options available with the K9-2 purchase (engineering):
Optional Control Measures	a. Rotating Beacon b. Reversing alarm; c. Horn;
Residual Risk:	MEDIUM