



1 Aircraft deicer

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Snowblowers

■ Since 1957, RPM Tech Inc. manufactures parts of, and is the exclusive distributor of Vohl snowblowers. The Vohl DV-904 snowblower is equipped with a Ford diesel engine and can also be equipped with either a Detroit diesel, a John Deere diesel or a Cummins diesel blower power unit. The Vohl snowblower has a capacity of up to 2 500 t per hour. Due to its sturdiness, it is a market leader in regions subject to heavy snowfalls. In Canada, the Vohl snowblower has a 70 per cent market share and in the Northeastern and Northern United States, a 75 to 80 per cent market share.

Through its subsidiary, Équipement Nenuk Ltée, the firm has broadened its range of snowblowers and has established an excellent distribution network in the United States. Also available are Blanchet snowblowers ranging in capacity from 800 t to 3 500 t per hour. In addition, RPM Tech Inc. has developed its own SP-5000 snowblowers. Capable of handling up to 5 000 t per hour, it is designed mainly for airports.

Runway sweeper

The company has been manufacturing and distributing ARA runway sweepers (equipment originates from Finland-Trademark ARA) since 1983. The ARA HP-3 runway sweeper is designed for high-speed removal of snow, slush, dirt and debris from runways all year round. The sweeper can be used as a trailer or as a semi-trailer. The broom is hydraulically driven, with the speed adjustable from the cab. Dual caster wheels, properly damped, guarantee a perfect runway contact even at high sweeping speeds. RPM Tech Inc. has an approximately 50 per cent share of the Canadian market for runway sweepers and is currently developing a new and lighter sweeper, the PV-112.

Forced air blower "The Jet Air II"

Designed and developed by RPM Tech Inc. in collaboration with the Canadian Ministry of Transport, the Jet Air II forced air blower is used to sweep, clean and dry airport runways through an air jet, which can reach a velocity of 700 km/h (435 m.p.h.). Based on a Ford C7000 4 × 2 chassis, power is provided by a Ford diesel engine developing 127 kW (170 hp). Air-conditioning, automatic transmission, power steering are standard equipment. The air flow of 6.2 m³/s (13 000 cfm) is created by a two-stage centrifugal fan mounted on the rear of the chassis. A second diesel engine, a Cummins VT903 of 261 kW (350 hp), drives the fan via a clutch and flexible coupling. The forced air is piped to the front of the unit and controlled hydraulically in direction, angle of attack and height by a remote-control nozzle.

The driver's cab can accommodate the driver/operator and one passenger. It has an optional dual steering for right hand operation. The cab is insulated to provide a maximum interior sound level of 85 dB(A) under all operating conditions.

Long reach brush cutters

Manufactured by Société Rousseau S.A. (France) this equipment is used by highways department and certain companies to cut the brush on the sides of public roads and utilities right-of-ways.

Aircraft deicing system

An aircraft deicing system, designed by Kallax in Sweden, with whom RPM Tech Inc. has reached a manufacturing and installation agreement under licence, represents a new approach to deicing of aircraft. In addition to deicing, the system can be used for anti-icing whenever desired. Before an aircraft that requires deicing taxis out to the runway, it passes through the fully automatic deicing system which incorporates a sophisticated computerized control. Parameters programmed into the system include aircraft shape and size as well as weather conditions. Since the deicing process takes approximately one minute, it substantially reduces delays attributable to manual procedures. Excess deicing fluid can be recycled by feeding it back to a pumping station, where it is filtered and