armcor
air solutions

Rotary Heat Wheel Unit

AUSTRALIAN
MADE

Manufactured
by Armcor

Rotary Heat Wheel Unit Overview

The REM series is the ultimate in High-Efficiency Heat Recovery utilizing a rotary heat exchanger to recover the energy from the exhaust air and transfer it to the incoming fresh air. With efficiencies, up to 87%, this unit configuration suits external rooftop or plant room applications and includes energy-saving EC Plug Fans, in-built bag filters and an option of enthalpy or sensible rotary heat wheels. With the low resistance through the Heat Wheel, economy bypass can be affected by stopping the rotary heat wheel.

Standard capacity available from 300 l/sec to 8,000 l/sec, to suit any application where large volumes of fresh air are required such as:

• Commercial Venues, Sporting Complexes and Gymnasiums

• Public Utility buildings, Police, Ambulance, Nursing Homes

• Education Facilities

Options include:

• Enthalpy or Sensible Media

• Hot and Chilled Water Coils

• Economy Cycle

• Various Control Options

Performance Data

Model Number	Nominal Capacity (l/sec)	Energy Recovered (Cooling) Kw*	Energy Recovered (Heating) Kw*	Dimensions (mm) H x W x L
REM500	300 - 500	7.4	12.4	1200 x 1100 x 1800
REM900	600 – 900	13.6	23.0	1700 x 1400 x 2300
REM1200	1000 – 1200	18.4	31.0	1700 x 1700 x 2300
REM1700	1300 – 1700	26.0	43.8	2000 x 1900 x 2800
REM2000	1800 – 2000	26.0	43.8	2000 x 1900 x 2800
REM2500	2000 – 2500	38.9	65.5	2200 x 2200 x 2800
REM3500	3000 – 3500	53.6	90.0	2500 x 2400 x 2800
REM4000	4000	68.7	115.3	2700 x 2700 x 2800
REM5000	5000	77.3	130.1	3000 x 2900 x 2800
REM6000	6000	107.3	180.0	2500 x 4600 x 2800
REM7000	7000	107.3	180.0	2500 x 4600 x 2800
REM8000	8000	137.3	230.7	2700 x 5200 x 2800

* Rated at Standard Conditions of Summer 38°db/40%RH. Winter 3°db/68%RH. Subject to change.

Fresh Air → Supply Air

Exhaust Air ← Return Air
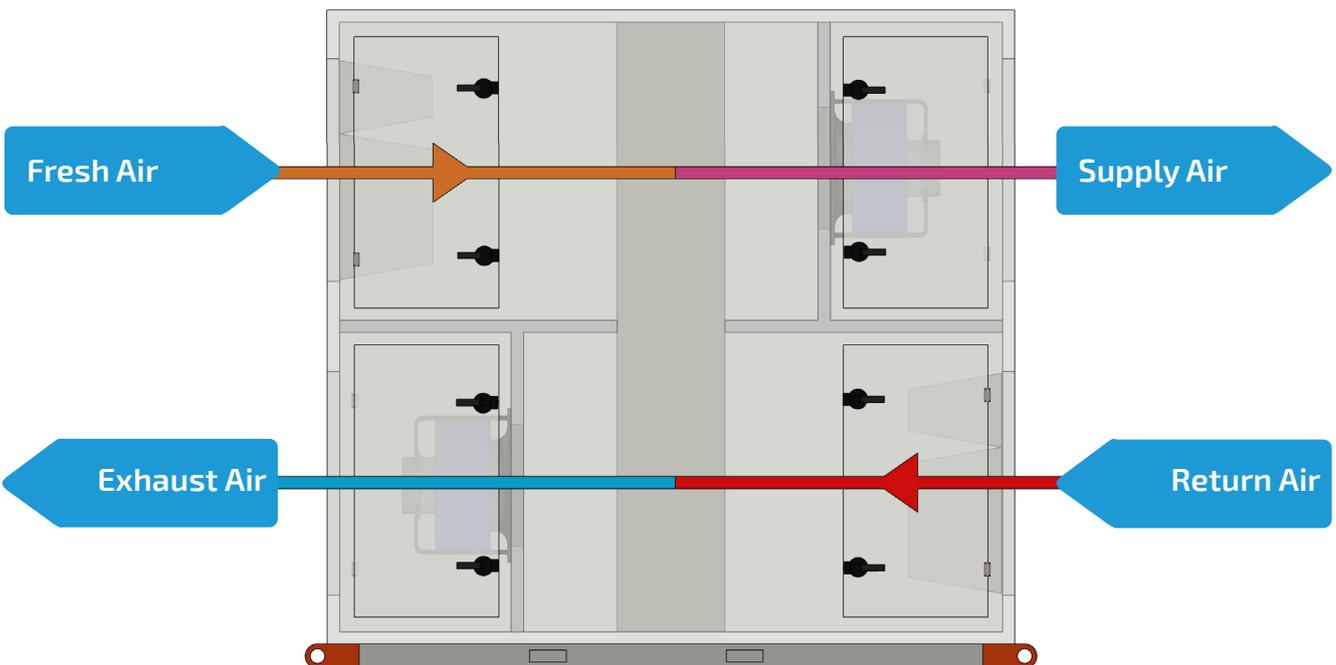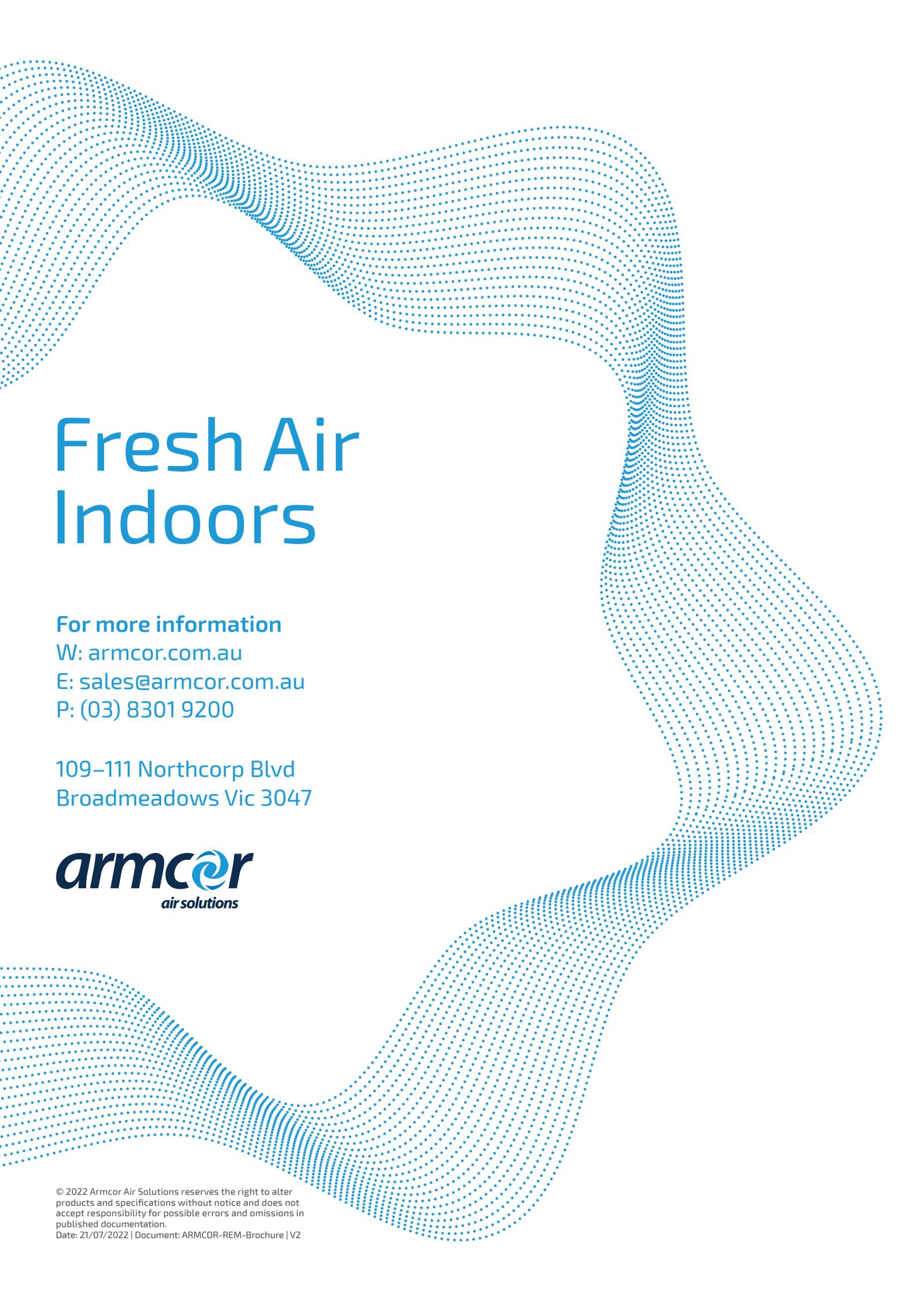
Fresh Air Indoors

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