



APPLICATIONS NOTICE

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TO : AUTHORISED DEALERS
APPROVED INSTALLERS
SERVICE MANUAL HOLDERS
H.O., REG. & AUST. MGRS

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FROM : E L Kendall

SUBJECT : DUCTED CONDENSER AIR FOR PLANT ROOM APPLICATIONS

UNITS : SPLIT SYSTEMS AND BD UNITS

We are regularly requested by Installers for advice regarding installation of SCR and BD units in Plant Rooms where the exhaust air is ducted and incoming air enters through louvres. Allowance must be made for the duct and louvre air resistance.

1. BD's - Bradway Engineering have converted many units to include centrifugal fans (there is an extra charge for this change from "prop" fans to centrifugal). This information is available directly from Bradway Sydney or via temperzone Auckland.
2. SCR & BD's :
Attached are graphs which show the maximum increase in static pressure available to overcome ductwork (upto 100 Pa for 510mm (20") fans and 150 Pa for 660mm (26") fans) by changing the standard fans and motors for 4 pole speed fans and motors.
 - a. 510mm (20") fan units change to Betts Motor 4 pole, 1ø, 2 speed plus 510mm (20") x 25° pitch Torin Fan as per attached graph.
 - b. 660mm (26") fan units change to Ziehl 3ø motor and 635mm (25") fan as per attached graph.

Extra prices will be charged for these changes.

510mm (20") Fans Fitted To

SCR's	301 x 1
	401 x 1
	701 x 1
	801 x 2
	1101 x 2
	1401 x 2
	2/401 x 2
	2/501 x 2
	2/701 x 2

660mm (26") Fans Fitted To

SCR's	1200 x 1
	1500 x 2
	2000 x 2
	2500 x 2
	3300 x 3