

Timing: When a standard machine is to provide a horizontal air flow, the top shaft is extended for the drive. If the machine is mounted for vertical air flow, the drive shaft is on the right. The position of the shaft is given when looking at the machine from the drive shaft end. Centre timing enables the blower to operate in either direction. If the machine is required with a bottom or left hand shaft extended, all that needs to be done is to turn the gearcase and trough through 180°. Detailed instructions are given in the installation and operating instruction folder.

Tachometer Offtake: A mechanically driven tachometer offtake is available as an option on the gearcase cover. Whilst this is normally driven from the bottom shaft on a standard machine, it can easily be changed to the alternative top position.

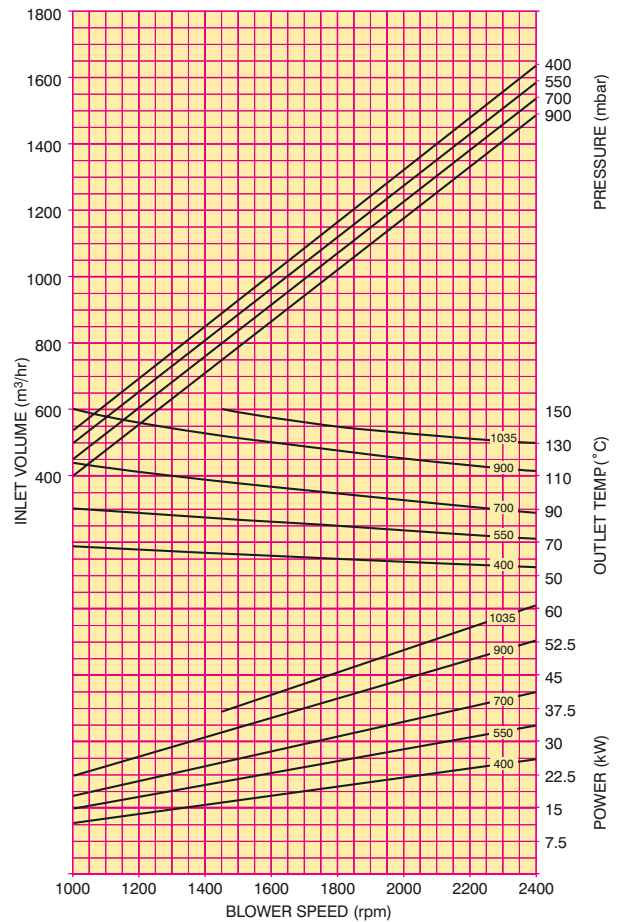
Performance: The graphs and table below show the performance as blowers. However all three sizes can operate as exhausters at vacuums up to 475 m bar or combinations of pressure and vacuum. Please refer to the applications department at Dresser Roots for further information on vacuum duties.

Type	Minimum Rec.Speed	Maximum Relief Valve Pressure
68 RBTM	1000 rpm	1035 m bar
	1450 rpm	1240 m bar
610 RBTM	1000 rpm	900 m bar
	1450 rpm	1035 m bar
613 RBTM	1000 rpm	840 m bar

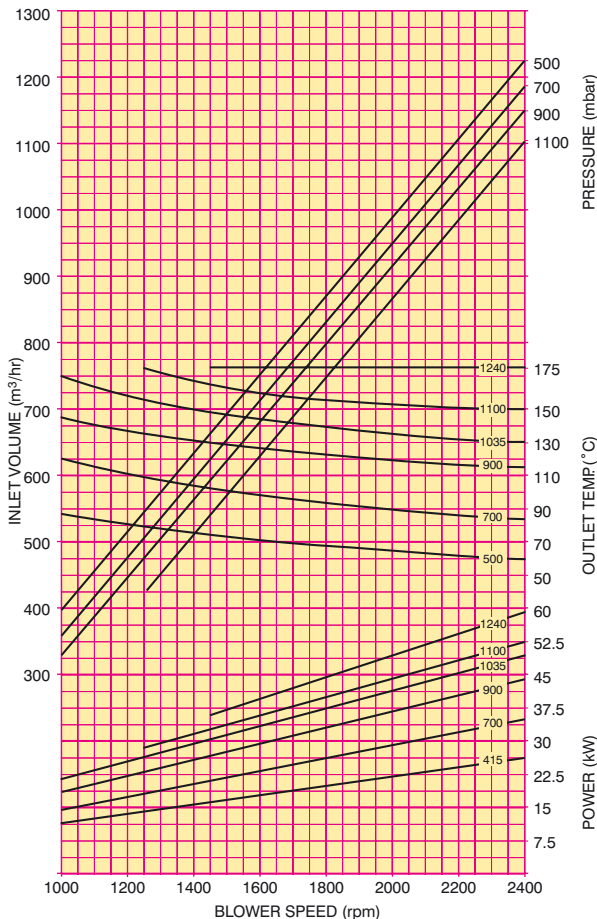
* **The relief valve** should be selected, set and maintained to pass all the volume delivered without the pressure at the outlet of the blower exceeding the above maximum pressure when the minimum recommended speed is that shown in the above table.

Caution: The bhp remains constant for any given impeller speed and outlet pressure. When selecting power take-off equipment, relate the bhp to the blower input shaft speed if a speed increasing gearbox is used. The torque increases in direct proportion to the blower gearbox ratio.

Performance Graph 610 RBTM



Performance Graph 68 RBTM



Performance Graph 613 RBTM

