

# TWIN-CYLINDER AIR COMPRESSOR

## Technical Information

**Bore:** 75 mm  
**Stroke:** 48 mm  
**Total Swept Volume:** 424 cc  
**Lubrication:** Wet Sump, with dipstick  
**Cooling:** Air  
**Working Pressure:** 900 kPa (9 bar, 130 psi)  
**Maximum Pressure for short periods:**  
 1000 kPa (10 bar, 145 psi)  
**Maximum Working Speed:** 1900 rpm  
**Maximum Safe Speed for short periods:** 2100 rpm



	OUTPUT PRESSURE		
	300 kPa (3 bar, 43.5 psi)	650 kPa (6.5 bar, 94 psi)	1000 kPa (10 bar, 145 psi)
<b>CRANKSHAFT SPEED</b>	<b>A I R O U T P U T</b>		
500 rpm	150 litres/min (5.3 cu ft/min)	130 litres/min (4.6 cu ft/min)	100 litres/min (3.5 cu ft/min)
1000 rpm	275 litres/min (9.7 cu ft/min)	245 litres/min (8.7 cu ft/min)	215 litres/min (7.6 cu ft/min)
1600 rpm	425 litres/min (15.0 cu ft/min)	380 litres/min (13.4 cu ft/min)	345 litres/min (12.2 cu ft/min)
1900 rpm	500 litres/min (17.7 cu ft/min)	450 litres/min (15.9 cu ft/min)	410 litres/min (14.5 cu ft/min)

	OUTPUT PRESSURE		
	0 kPa	650 kPa (6.5 bar, 94 psi)	1000 kPa (10 bar, 145 psi)
<b>CRANKSHAFT SPEED</b>	<b>P O W E R C O N S U M P T I O N</b>		
500 rpm	0.25 kW (0.3 bhp)	1.5 kW (2.0 bhp)	1.8 kW (2.4 bhp)
1000 rpm	0.6 kW (0.8 bhp)	2.7 kW (3.6 bhp)	3.2 kW (4.3 bhp)
1600 rpm	1.8 kW (2.4 bhp)	4.8 kW (6.4 bhp)	5.4 kW (7.2 bhp)
1900 rpm	2.5 kW (3.4 bhp)	6.0 kW (8.0 bhp)	6.6 kW (8.9 bhp)

	RESERVOIR TARGET PRESSURE		
	400 kPa (4 bar, 58 psi)	700 kPa (7 bar, 102 psi)	1000 kPa (10 bar, 145 psi)
<b>CRANKSHAFT SPEED</b>	<b>T I M E T O F I L L A 4 0 - L I T R E R E S E R V O I R</b>		
900 rpm	30 seconds	55 seconds	90 seconds
1200 rpm	25 seconds	43 seconds	65 seconds
1500 rpm	20 seconds	35 seconds	53 seconds