

3 cylinder compressor	AC 300 ND - 3 cylinder compressor without air dryer	
Item 013370 (230V / 50Hz 1~)	230 V - 1,5 kW - 10,2 A 240 V - 1,5 kW - 9,2 A	
Item 013375 (400V / 50Hz 3~)	400 V - 1,5 kW - 3,7 A	
Item 013383 (220V / 60Hz 1~)	220 V - 1,75 kW - 12,2 A	
	45 litre tank. Air output with supply at 5 bar 238 N l/min. Sound pressure level: 73.6 dB (A). Dimensions: L= 620 mm P= 520 mm H= 750 mm. Net weight = 56 kg Gross weight = 70 kg	
	<b>AC 300 - 3 cylinder compressor with air dryer</b>	
Item 013330 (230V / 50Hz 1~) Item 013335 (400V / 50Hz 3~) Item 013307 (220V / 60Hz 1~)	Dimensions: L= 620 mm P= 520 mm H= 750 mm. Net Weight= 65 kg Gross weight= 79 kg	
	<b>AC 300 QND - 3 cylinder compressor without air dryer complete with plastic sound proof cover</b>	
Item 013365 (230V / 50Hz 1~) Item 013363 (400V / 50Hz 3~) Item 013361 (220V / 60Hz 1~)	Sound pressure level: 68 dB (A). Dimensions: L= 720 mm P= 580 mm H= 970 mm. Net weight = 72 kg Gross weight = 92 kg	
	<b>AC 300 Q - 3 cylinder compressor with air dryer complete with plastic sound proof cover and air dryer</b>	
Item 013350 (230V / 50Hz 1~) Item 013353 (400V / 50Hz 3~) Item 013354 (220V / 60Hz 1~)	Dimensions: L= 720 mm P= 600 mm H= 970 mm. Net Weight= 80 kg Gross weight= 100 kg	

# INTRODUCTION

## SIGNS AND WARNINGS

# OIL-FREE COMPRESSOR AND AIR DRYING SYSTEMS

### INTRODUCTION

The following information describes the equipment and systems for end users and service technicians. It covers operation, routine maintenance and hazards. It also describes precautions and

preventative maintenance **that must be considered** to ensure reliable operation.

### SIGNS AND WARNINGS



Please read through the manual before installation



Electrical shock hazard: even 230 V  $\sim$  can cause death



High temperature



Generic danger sign



Obligatory direction of flow or rotation

It is not always possible to express with a sign all the hazards and relevant instructions; users are therefore required to read the warnings and comply with them as required.

Failing to observe a danger sign or warning can cause personal injury or damage the machine.

Do not remove the guards, do not alter the machines or their operation and, most importantly, do not

perform welds or other work of any kind, especially on the tank.

Despite our best efforts, danger warnings may not be exhaustive; if you find that this is the case, please arrange for any danger sources that we may have overlooked to be indicated and kindly notify us.

### OIL-FREE COMPRESSOR AND AIR DRYING SYSTEMS

**When clean, hygienic, sterile or medical air is required, you must use a compressor that has completely oil-free operation rather than an oil lubricated compressor with a filtration system.**

The emulsion of water and oil, produced by a normal oil lubricated compressor, will notably affect the efficiency of the dentists rotary instruments; in addition, given that the air is also used to dry preparations before cementation, traces of this emulsion can also prevent proper cementation.

This problem becomes more serious when the

air is used in a sterile field, as dry air is required for the effective operation of a sterilizing filter. The use of oil lubricated compressors combined with filtering systems to remove condensate and emulsified oil is risky, more complicated, requires more maintenance and will possibly cost more than an oil-free and dry compressor over its life cycle.