



Mod. DG30 ECO

CONTINUOUS DUTY INDUSTRIAL VACUUM CLEANER



MODEL		DG30 ECO
Tension	Volts HZ	230 – 400 3~ 50 /60
Power	KW / Hp	2,2 / 3
Max. Vacuum rate	mm.H ₂ O	3000
Max. Vacuum rate on continuous duty	mm.H ₂ O	2200
Max. Air flow rate	M ³ /h	300
Filter surface (pocket filter)	Cm ²	20.000
Filter efficiency	CAT BIA Micron	L > 3
Air load on filter	M ³ /M ² /h	150
Capacity	Lt.	50
Suction inlet	∅	80
Noise level	dB (A)	72
Protection	IP	55
Isolation	CL	F
Dimensions	cm.	58 x 60
Height	cm.	140
Weight	Kg.	80

Suction unit

The suction is provided by a **suction unit of the side channel blower type**, with **direct coupling** between the fan and the motor shaft and **no transmission system**. It is thus **completely maintenance free**, fit for **round-the-clock 24 hours duty**, very silent and provides **outstanding suction performances**; a **safety thermal switch cuts off the motor in case of overheating** The **control board** includes a **switch (protection IP65)**, and a **safety emergency stop button**. A vacuum indicator **enables constant checking of the suction performance**, and to **detect possible clogging of the filter**. A **diffuser filter** reduces the speed and noise of the air on the exhaust outlet.

Filter unit

The filter is placed and protected inside the steel filter chamber; the **polyester star filter provides a filter surface of 20.000 cm²**, and high **filtration efficiency (class L, 3 micron)**. A **manual filter shaker** enables the user to **clean the filter efficiently**, by a vertical shaking movement, so as to detach most of the dust and **maintain the filter clean**, in order to **increase its life and maintain the suction performance** of the machine. The frontal **aluminium die-cast suction inlet (∅80 mm. diameter)**, placed below the filter, makes it **possible to vacuum at the same time dust, solid and liquid material** (the latter only within the capacity of the container), with **no need to change or take out the filter**.

Collection unit

The vacuumed material is placed inside a **drop-down bin mounted on wheels** (50 litres capacity), which makes it possible to **dispose easily and safely of the sucked material**, that can be collecting directly into a plastic bag.

The vacuum is mounted on a **sturdy steel chassis** with two pivoting wheels, one of which with brakes; **all metal parts of the vacuum are epoxy painted**



Options*

Application	Code	Description
Dust in big quantities	ELF	Extra large surface pocket filter (30.000 cm ²)
Sticky dust and material	PTFE	PTFE Teflon treated pocket filter (reduces the adherence of the dust on the filter)
Fine dust	C	Pocket filter with 1 micron efficiency, filtration class M
Fine dust in big quantities	ELF /C	Extra large surface pocket filter (30.000 cm ²) with 1 micron efficiency, for the suction of dust classified as "M" (fine dust)
Sticky dust and material	TEFLON	Teflon treated pocket filter (reduces the adherence of the dust on the filter)
High temperature dust and material	NOMEX	Nomex flame proof filter, resistant up to 250° C temperatures
Dust and material subject to accumulate static electricity	ANT	Antistatic pocket filter
Dust and material subject to accumulate static electricity	MT	Grounding of metal parts in order to make them electrically conductive
Fine dust subject to accumulate static electricity	ANT/C	Antistatic pocket filter, 1 micron efficiency
Very fine dust	A	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
Fine dust - class M	C (CLASS M)	1 micron pocket filter, pressure relief valve, for the suction of fine dust of class "M"
Very fine and / or toxic dust – certificate class H	A/C (CLASS H)	1 micron pocket filter, absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822, for the suction of very fine and toxic dust of class "H".
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304

* Different combinations of the above options are possible (e.g. ACX , vacuum with Absolute filter, 1 micron pocket filter and stainless steel container)