

Series

EOS
EWS

DIRECT DRIVE
BELT DRIVE



GLANTA 2011
JANUARY 26-28

Exhaust fans for agricultural and industrial application



EOS



EWS



Quality
products



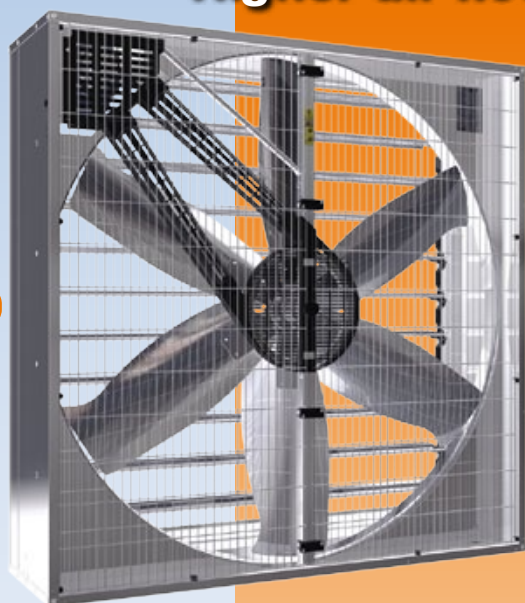
TERMOTECNICA®
PERICOLI

**INCREASED
DIAMETER
53"**

EOS
EWS

EOS/EWS 53: LARGER DIAMETER!

Higher air flow – Lower energy



EOS



EWS

NEW INCREASED DIAMETER FROM 50" TO 53"
EXTERNAL DIMENSIONS UNCHANGED
TWO SHUTTER SYSTEMS

+10%
increased
air flow

-30%
energy
requirements



Air and light tight.



Fixing threaded
bush (M8).



Double safety guard - Open to facilitates maintenance.



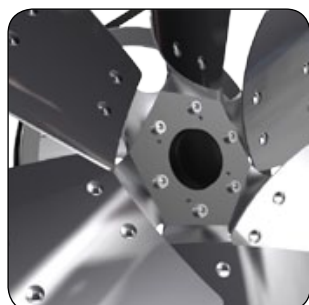
Easy opening guards.



Pre-tensioned V-Belt.



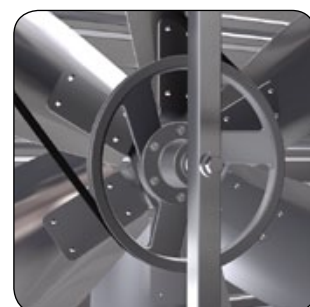
New motor mounting:
Reduced vibration -
Increased rigidity.



New stronger steel
propeller hub.



Plastic safety guard on
drive belt (CE version).



New aerodynamic
central pulley.

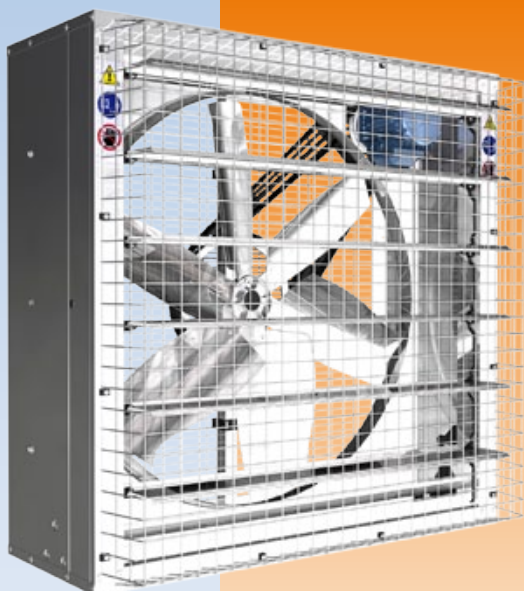


www.pericoli.com

EOS/EWS 36 & 30: A COMPLETE RANGE

EOS

EWS



EOS/EWS 36 & 30 MODELS
COMPACT
HIGH PERFORMANCE

FLAP SYSTEM



Shutter closed.



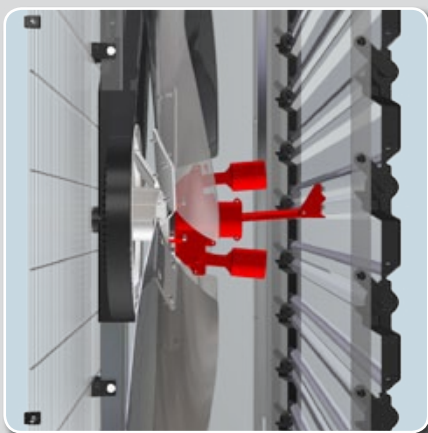
**innovative
opening**

EOS



Shutter open.

CENTRIFUGAL SYSTEM

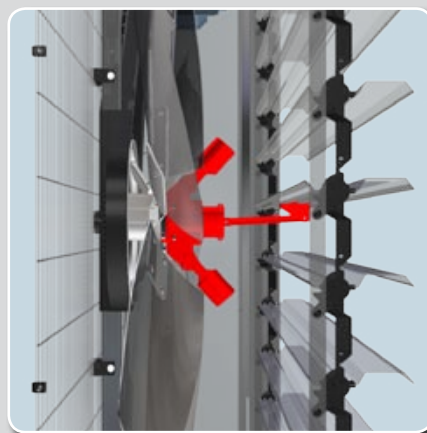


Shutter closed.



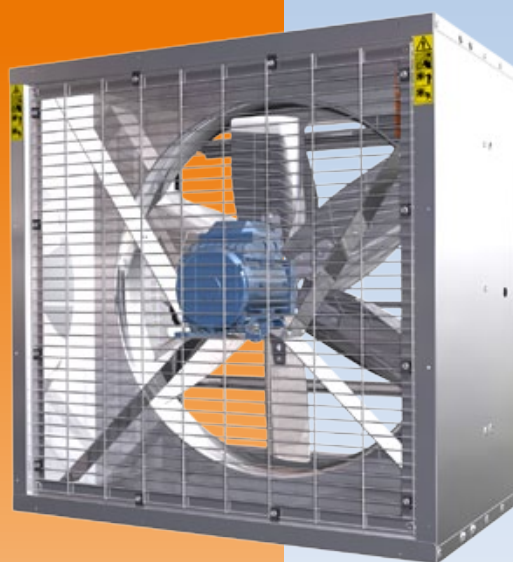
**conventional
opening**

EWS



Shutter open.

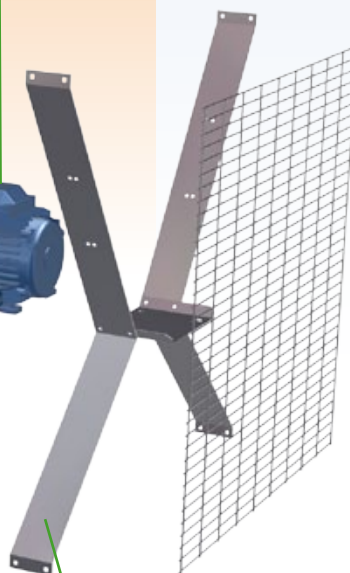
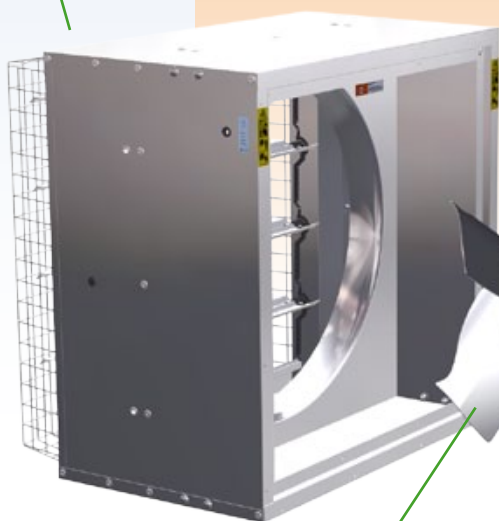
shutters options



**DIRECT DRIVE
MINIMAL MAINTENANCE
LOW NOISE LEVELS**

Reliable shutter opening system.

High efficiency motors.



6 blade aluminum
alloy propeller.

Robust motor & propeller support.

Blade material:

ALU
aluminium alloy
(preferred version
for its lightness and
strength).

GALV
galvanised steel.

INOX
stainless steel
AISI 304.

Shutter:

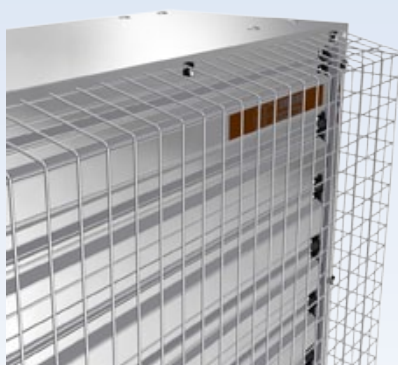
standard in galvanised steel.



AS supplement for aluminium blades.
(Available for FLAP system)

Safety:

V-Belt protection.
(Not foreseen on
non-CE versions).



SK extra external
safety netting.
(Available on request).

Light filter:

LTP light filter.

**Insulating cover:**

WPC insulating cover for
long non-working period.

Fixing strip:

FIX fixing strip for
wall installation.

Accessories:

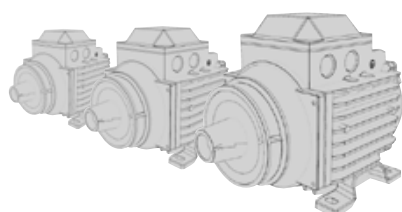
PTP maintenance
free V-Belt.



TPU motostarter.



TPR magnetothermic
switch.

Motors:

STANDARD
asynchronous
threephase motor.

VAR asynchronous
threephase speed
variable motor working
by transformer.

MON singlephase motor.
(Speed variable)

EOS/EWS 53 - BELT DRIVE**** - Test number Bess Lab: 10090; 10092; 10094; 10097; 10106; 10108; 10101; 10102

Model	Voltage***	Frequency	Propeller rotation speed** (0 Pa - 0 inH ₂ O)	Air flow**				Absorbed power** (0 Pa - 0 inH ₂ O)	Specific power input** (0 Pa - 0 inH ₂ O)	Efficiency** (0 Pa - 0 inH ₂ O)	Efficiency** (25 Pa - 0.10 inH ₂ O)
				0 Pa 0 inH ₂ O	12 Pa 0.05 inH ₂ O	25 Pa 0.10 inH ₂ O	50 Pa 0.20 inH ₂ O				
EOS 53/2* EWS 53/2	230/400 V 3 ph	50 Hz	516 RPM	26.200 cfm	25.300 cfm	24.200 cfm	21.700 cfm	1914 W	43 W/(1000m³/h)	13,7 cfm/W	12,0 cfm/W
				44.500 m³/h	42.900 m³/h	41.100 m³/h	36.800 m³/h				
		60 Hz	515 RPM	26.200 cfm	25.200 cfm	24.200 cfm	22.100 cfm	1916 W	43 W/(1000m³/h)	13,7 cfm/W	11,9 cfm/W
				44.600 m³/h	42.900 m³/h	41.200 m³/h	37.500 m³/h				
EOS 53/1,5* EWS 53/1,5	230/400 V 3 ph	50 Hz	473 RPM	24.200 cfm	23.100 cfm	22.000 cfm	19.500 cfm	1491 W	36 W/(1000m³/h)	16,2 cfm/W	13,7 cfm/W
				41.100 m³/h	39.300 m³/h	37.400 m³/h	33.100 m³/h				
		60 Hz	473 RPM	24.100 cfm	23.100 cfm	22.000 cfm	19.600 cfm	1496 W	37 W/(1000m³/h)	16,1 cfm/W	13,7 cfm/W
				40.900 m³/h	39.200 m³/h	37.400 m³/h	33.300 m³/h				
EOS 53/1* EWS 53/1	230/400 V 3 ph	50 Hz	393 RPM	20.200 cfm	19.000 cfm	17.400 cfm	13.700 cfm	934 W	27 W/(1000m³/h)	21,6 cfm/W	17,0 cfm/W
				34.300 m³/h	32.200 m³/h	29.500 m³/h	23.200 m³/h				
		60 Hz	390 RPM	20.000 cfm	18.700 cfm	17.300 cfm	13.500 cfm	942 W	28 W/(1000m³/h)	21,2 cfm/W	16,5 cfm/W
				34.000 m³/h	31.800 m³/h	29.300 m³/h	23.000 m³/h				
EOS 53/0,75* EWS 53/0,75	230/400 V 3 ph	50 Hz	350 RPM	18.000 cfm	16.600 cfm	14.800 cfm	10.200 cfm	695 W	23 W/(1000m³/h)	25,9 cfm/W	19,3 cfm/W
				30.500 m³/h	28.100 m³/h	25.200 m³/h	17.400 m³/h				
		60 Hz	347 RPM	17.700 cfm	16.300 cfm	14.500 cfm	9.900 cfm	685 W	23 W/(1000m³/h)	25,9 cfm/W	18,7 cfm/W
				30.100 m³/h	27.800 m³/h	24.600 m³/h	16.900 m³/h				

EOS/EWS 36 - BELT DRIVE**** - Test number Bess Lab: 10120; 10119; 10121; 10122

EOS 36/0,75* EWS 36/0,75	230/400 V 3 ph	50 Hz	605 RPM	11.770 cfm	11.210 cfm	10.600 cfm	9.170 cfm	753 W	38 W/(1000m³/h)	15,6 cfm/W	13,1 cfm/W
				19.990 m³/h	19.040 m³/h	18.010 m³/h	15.590 m³/h				
		60 Hz	627 RPM	12.170 cfm	11.650 cfm	11.030 cfm	9.710 cfm	841 W	41 W/(1000m³/h)	14,5 cfm/W	12,3 cfm/W
				20.680 m³/h	19.790 m³/h	18.750 m³/h	16.490 m³/h				
EOS 36/0,5* EWS 36/0,5	230/400 V 3 ph	50 Hz	507 RPM	9.910 cfm	9.220 cfm	8.340 cfm	6.290 cfm	530 W	31 W/(1000m³/h)	18,7 cfm/W	14,4 cfm/W
				16.840 m³/h	15.660 m³/h	14.170 m³/h	10.690 m³/h				
		60 Hz	530 RPM	10.320 cfm	9.640 cfm	8.860 cfm	6.890 cfm	587 W	33 W/(1000m³/h)	17,6 cfm/W	13,8 cfm/W
				17.530 m³/h	16.380 m³/h	15.050 m³/h	11.710 m³/h				

EOS/EWS 30 - BELT DRIVE**** - Test number Bess Lab: 10125; 10126; 10127; 10128

EOS 30/0,75* EWS 30/0,75	230/400 V 3 ph	50 Hz	685 RPM	8.290 cfm	7.930 cfm	7.500 cfm	6.450 cfm	655 W	47 W/(1000m³/h)	12,7 cfm/W	10,8 cfm/W
				14.090 m³/h	13.470 m³/h	12.740 m³/h	10.970 m³/h				
		60 Hz	721 RPM	8.710 cfm	8.350 cfm	7.970 cfm	7.060 cfm	769 W	52 W/(1000m³/h)	11,3 cfm/W	9,9 cfm/W
				14.800 m³/h	14.190 m³/h	13.550 m³/h	11.990 m³/h				
EOS 30/0,5* EWS 30/0,5	230/400 V 3 ph	50 Hz	589 RPM	7.110 cfm	6.520 cfm	6.080 cfm	4.720 cfm	496 W	41 W/(1000m³/h)	14,3 cfm/W	11,6 cfm/W
				12.070 m³/h	11.070 m³/h	10.330 m³/h	8.020 m³/h				
		60 Hz	613 RPM	7.390 cfm	6.940 cfm	6.420 cfm	5.140 cfm	529 W	42 W/(1000m³/h)	14,0 cfm/W	11,5 cfm/W
				12.550 m³/h	11.790 m³/h	10.910 m³/h	8.730 m³/h				

EOS 25 - DIRECT DRIVE**** - Test number Bess Lab: 10130; 10129

EOS 25/0,5*	230/400 V 3 ph	50 Hz	922 RPM	6.590 cfm	6.310 cfm	6.020 cfm	5.390 cfm	595 W	53 W/(1000m³/h)	11,1 cfm/W	9,5 cfm/W
				11.200 m³/h	10.720 m³/h	10.230 m³/h	9.160 m³/h				
		60 Hz	1101 RPM	6.620 cfm	6.430 cfm	6.220 cfm	5.780 cfm	616 W	55 W/(1000m³/h)	10,7 cfm/W	9,4 cfm/W
				11.250 m³/h	10.930 m³/h	10.570 m³/h	9.820 m³/h				

Notes:

* Model tested by BESS LAB.

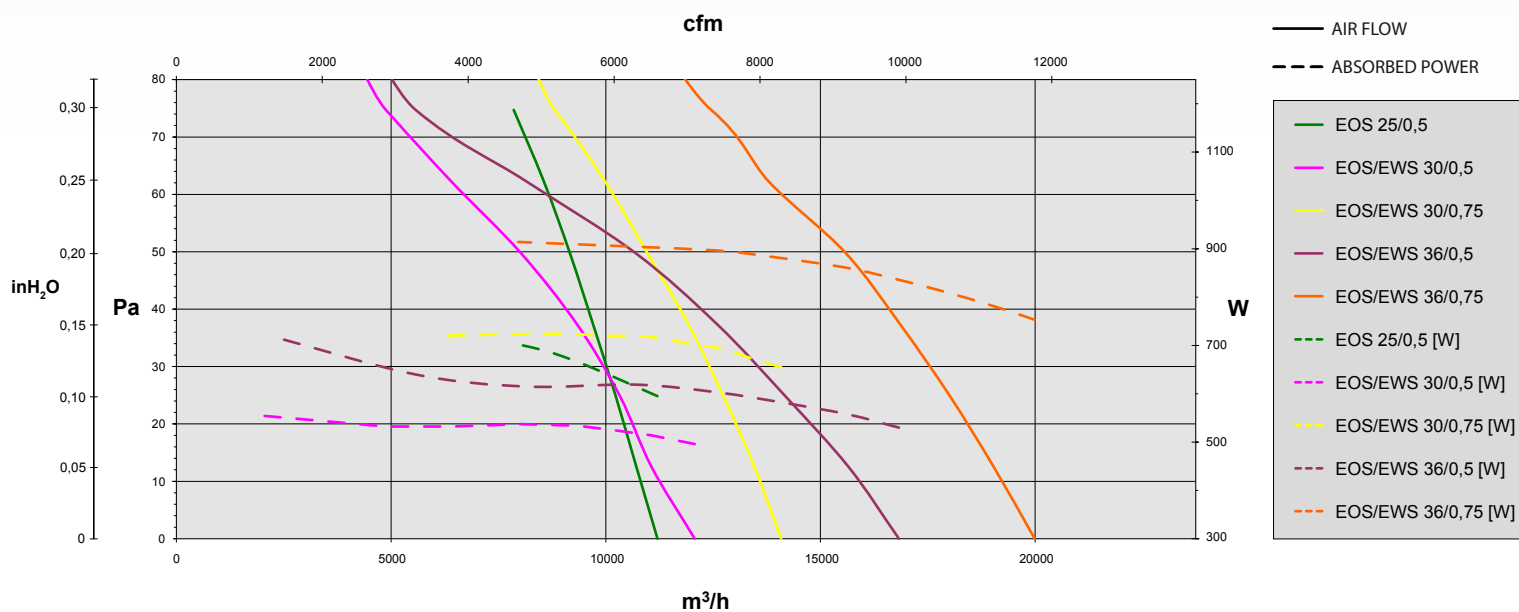
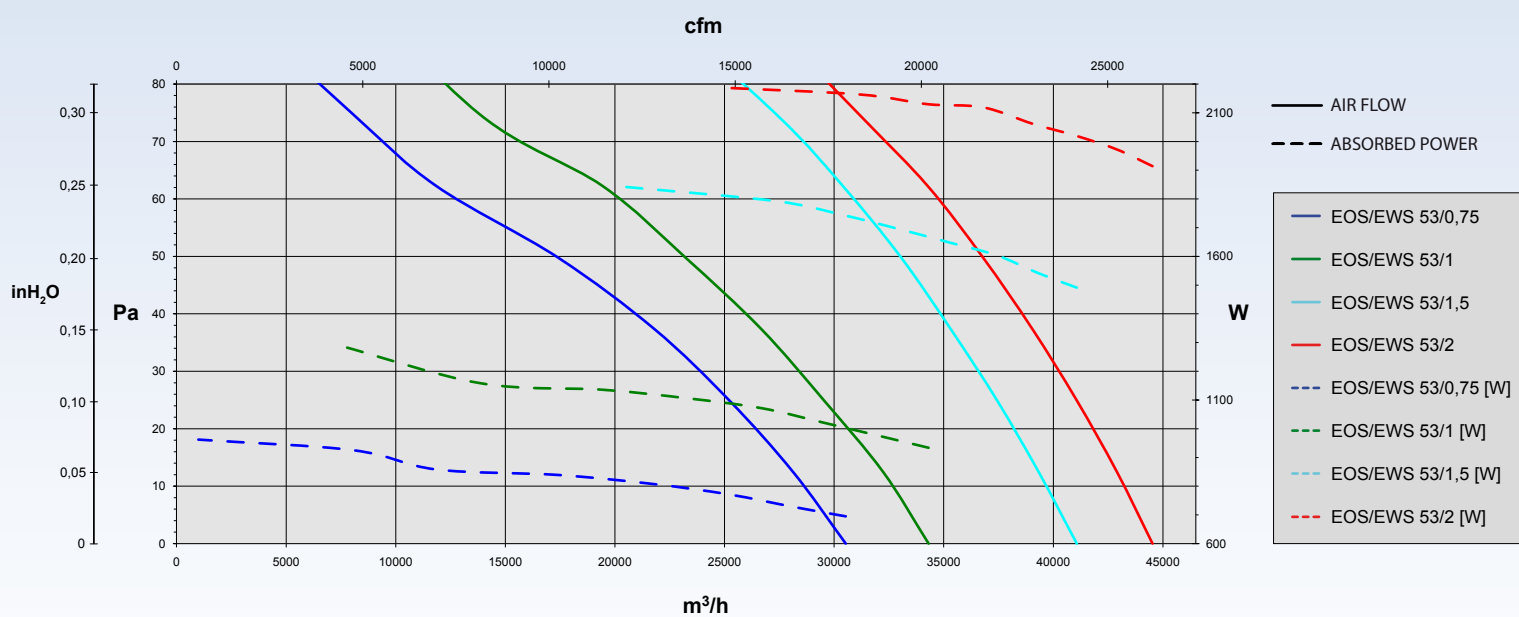
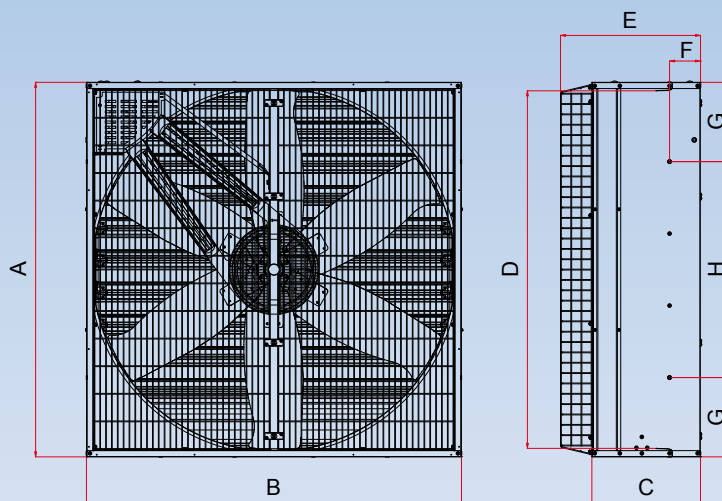
** Utilizing ASABE/S565 OCT2005 at Certifying Laboratory ANSI/AMCA test protocol ANSI/ASHRAE 51-07.

*** Alternative motors are available with various voltages, single phase or variable speeds on request.

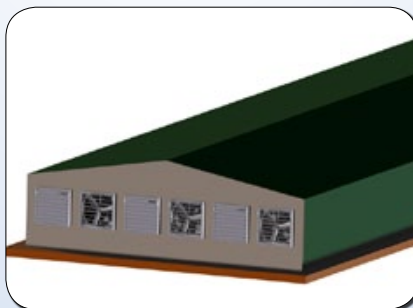
**** All fans tested with shutter and protection guard in place.

 High efficiency models.


DIMENSION	EOS/EWS 53	EOS/EWS 36	EOS/EWS 30	EOS 25
Dimension - A - [mm]	1380	1075	920	760
Dimension - B - [mm]	1380	1075	920	760
Dimension - C - [mm]	400	400	400	450
Dimension - E - [mm]	515	515	515	565
Dimension - F - [mm]	114	116	113	273
Dimension - G - [mm]	292	237	233	233
Dimension - H - [mm]	795	600	455	153
Dimension - D - [mm]	1340/53	930/36	780/30	640/25
Noise level (at 7 m distance) [dB]	65	64	62	60
Weight [kg]	82	58	52	40



Numerous application fields



All indications in this catalogue are without engagement. In a costant effort to improve our products, specifications may change.



TERMOTECNICA PERICOLI SRL.
P.o. box 262
17031 Albenga (SV), Italy
Tel. +39 0182 589006
Fax +39 0182 589005
www.pericoli.com
termotecnica@pericoli.com

