

Air circulation fan specifically designed for high airflow capacity. Available in 42" and 53", its main features are great efficiency and low maintenance costs. The fan housing is available in galvanized or stainless steel (Aeternum 53" only) for maximum corrosion resistance and the impeller with 3 or 6 blades. The entire line is tested in our PERIlab and certified by BessLab.



Sturdy and practical motor fixing system



4 secure suspension eyes included



Propeller hub in steel with corrosion protection



Fixing threaded bush (M8)



Easy opening guards



Technical features



EOR 53 - AMCA 230-12 test number Bess Lab: C12073; C12074; C12072; C12071; C12069; C12070; C12078; C12079

Model	Voltage**	Frequency	Thrust	Propeller rotation speed	Absorbed power	Thrust efficiency ratio	Air flow	Air flow*	Specific power input	Efficacy
EOR 53/2	Δ 220-240 V Y 380-420 V	50 Hz	26,44 lbf	483 RPM	1,719 kW	15,40 lbf/kW	25.100 ccfm	35.500 ccfm	40,35 W/(1000 m³/h)	14,6 ccfm/W
			11,99 kgf			6,98 kgf/kW	42.600 m³/h	60.300 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	28,87 lbf	500 RPM	1,833 kW	15,70 lbf/kW	26.200 ccfm	37.150 ccfm	41,19 W/(1000 m³/h)	14,3 ccfm/W
			13,10 kgf			7,14 kgf/kW	44.500 m³/h	63.100 m³/h		
EOR 53/1,5	Δ 220-240 V Y 380-420 V	50 Hz	22,89 lbf	445 RPM	1,361 kW	16,80 lbf/kW	23.400 ccfm	33.050 ccfm	34,23 W/(1000 m³/h)	17,2 ccfm/W
			10,38 kgf			7,63 kgf/kW	39.750 m³/h	56.150 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	21,86 lbf	446 RPM	1,348 kW	16,20 lbf/kW	22.800 ccfm	32.300 ccfm	34,8 W/(1000 m³/h)	16,9 ccfm/W
			9,92 kgf			7,36 kgf/kW	38.700 m³/h	54.850 m³/h		
EOR 53/1	Δ 220-240 V Y 380-420 V	50 Hz	18,53 lbf	398 RPM	1,015 kW	18,30 lbf/kW	21.000 ccfm	29.750 ccfm	28,4 W/(1000 m³/h)	20,7 ccfm/W
			8,41 kgf			8,28 kgf/kW	35.700 m³/h	50.550 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	18,86 lbf	398 RPM	1,038 kW	18,20 lbf/kW	21.200 ccfm	30.050 ccfm	28,8 W/(1000 m³/h)	20,4 ccfm/W
			8,55 kgf			8,24 kgf/kW	36.000 m³/h	51.050 m³/h		
EOR 53/1 - 3	Δ 220-240 V Y 380-420 V	50 Hz	18,23 lbf	450 RPM	0,953 kW	19,10 lbf/kW	20.800 ccfm	29.400 ccfm	27 W/(1000 m³/h)	21,8 ccfm/W
			8,27 kgf			8,68 kgf/kW	35.300 m³/h	49.950 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	18,53 lbf	455 RPM	0,989 kW	18,70 lbf/kW	29.900 ccfm	29.650 ccfm	27,8 W/(1000 m³/h)	21,1 ccfm/W
			8,41 kgf			8,50 kgf/kW	35.500 m³/h	50.350 m³/h		

EOR 42 - AMCA 230-12 test number Bess Lab: C12082; C12083; C12084; C12085

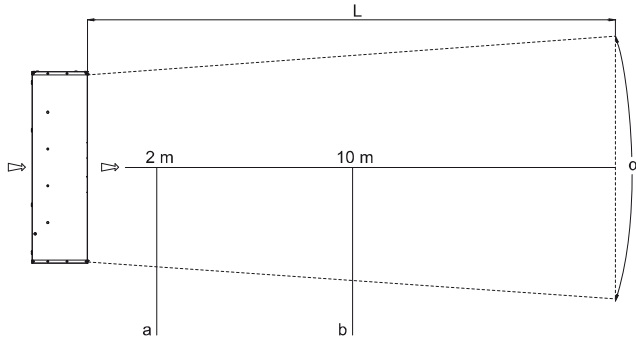
Model	Voltage**	Frequency	Thrust	Propeller rotation speed	Absorbed power	Thrust efficiency ratio	Air flow	Air flow*	Specific power input	Efficacy
EOR 42/1	Δ 220-240 V Y 380-420 V	50 Hz	16,35 lbf	584 RPM	0,957 kW	17,10 lbf/kW	15.600 ccfm	22.100 ccfm	36,1 W/(1000 m³/h)	16,3 ccfm/W
			7,42 kgf			7,75 kgf/kW	26.500 m³/h	37.550 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	18,28 lbf	608 RPM	1,15 kW	15,90 lbf/kW	16.500 ccfm	23.300 ccfm	41,07 W/(1000 m³/h)	14,3 ccfm/W
			8,29 kgf			7,21 kgf/kW	28.000 m³/h	39.600 m³/h		
EOR 42/0,75	Δ 220-240 V Y 380-420 V	50 Hz	12,85 lbf	515 RPM	0,725 kW	17,70 lbf/kW	13.800 ccfm	19.550 ccfm	30,98 W/(1000 m³/h)	19 ccfm/W
			5,83 kgf			8,04 kgf/kW	23.400 m³/h	33.200 m³/h		
	Δ 220-270 V Y 380-460 V	60 Hz	13,65 lbf	524 RPM	0,743 kW	18,40 lbf/kW	14.200 ccfm	20.100 ccfm	30,8 W/(1000 m³/h)	19,1 ccfm/W
			6,19 kgf			8,33 kgf/kW	24.100 m³/h	34.150 m³/h		

*Using ANSI/AMCA Standard 230-99 method.

**Single phase motors, different voltage and speed regulable motors over transformers are available on request.

Note: tested with two safety nets.

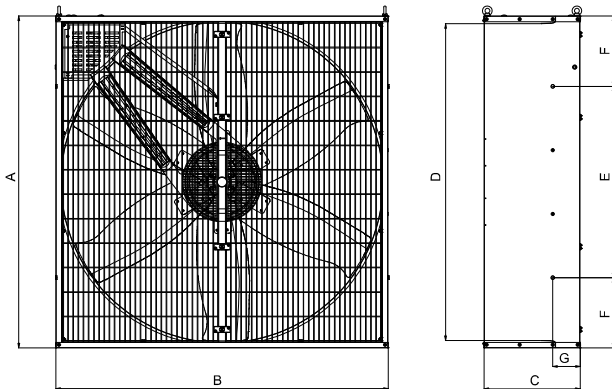




Air outlet cone

Model	α	L (Air speed 0,2 m/s)	Air speed (2 m)	Air speed (10 m)
EOR 53/2	56°	43 m	9 m/s	3,4 m/s
EOR 53/1,5	55°	40 m	8,9 m/s	3,2 m/s
EOR 53/1	54°	29 m	6,5 m/s	2,6 m/s
EOR 53/1 - 3	50°	28 m	5,9 m/s	2,5 m/s
EOR 42/1	55°	33 m	4,7 m/s	3 m/s

Dimensions and loading possibilities



Dimensions	EOR 53	EOR 42
Dimension - A - [mm]	1380	1145
Dimension - B - [mm]	1380	1145
Dimension - C - [mm]	400	400
Dimension - D - [mm]/[inch]	1340 / 53	1060 / 42
Dimension - E - [mm]	795	692
Dimension - F - [mm]	292	225
Dimension - G - [mm]	114	112
Sound pressure level Lpa [dB]*	65,8 / 75,5	68,8 / 73,4
Weight [kg]**	80-69	54-50

*Measurement surface according to UNI EN ISO 3744.

**The weight depends on choosed configuration.

Loading possibilities fully assembled version (FA)

Model	EOR 53	EOR 42
Container 20ft	28	50
Container 40ft	58	102
Container 40ft HC	66	124
Truck	74	140
Pallet 1200x1145x2100	---	5
Pallet 1400x1400x2150	5	---

Loading possibilities knock-down version (KD)

Model	EOR 53	EOR 42
Container 20ft	180	250
Container 40ft	360	450
Container 40ft HC	360	450
Truck	360	500