

DRIVEN AIR CIRCULATION FAN

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



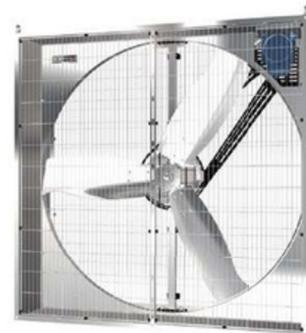
Propeller hub in steel with corrosion protection



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

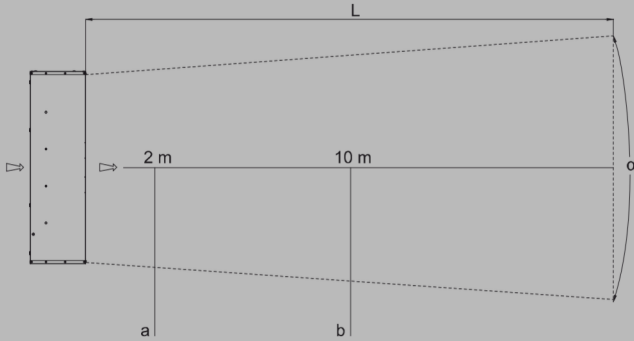
| Model | Voltage** | Frequency | Thrust | Propeller rotation speed | Absorbed power | Thrust efficiency ratio | Air flow | Air flow* | Specific power input | Efficacy |
|-------------|----------------------------|-----------|-----------|--------------------------|----------------|-------------------------|-------------|-------------|----------------------|-------------|
| 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.

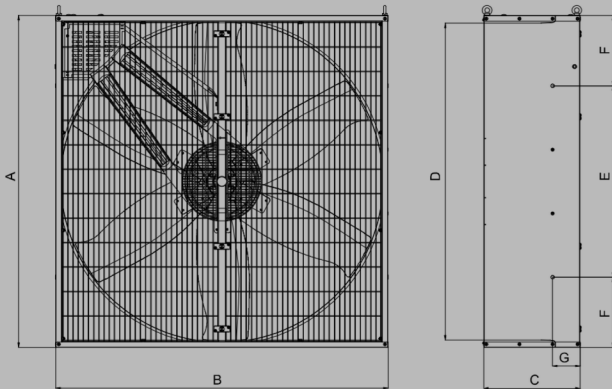




Air outlet cone

| 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 | --- |

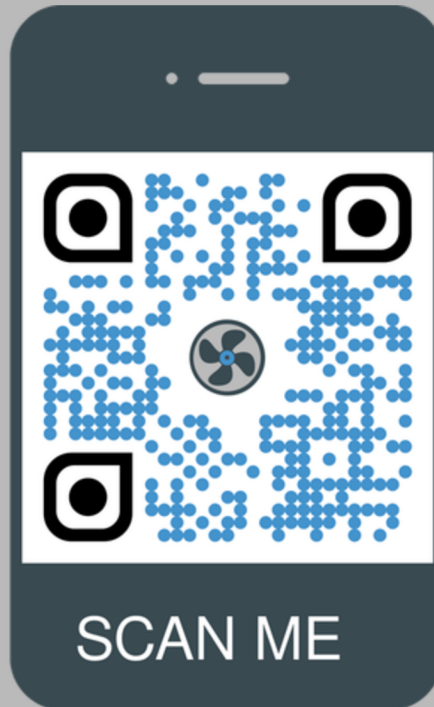
**Loading possibilities
knock-down version (KD)**

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




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