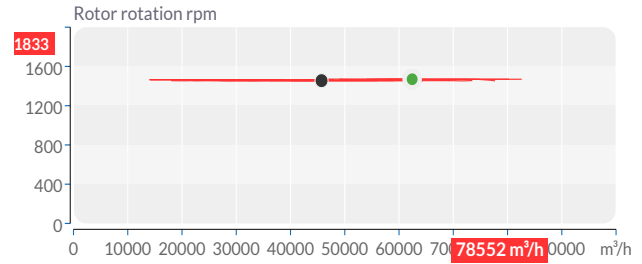
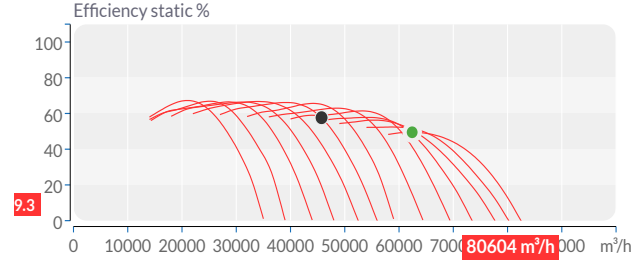
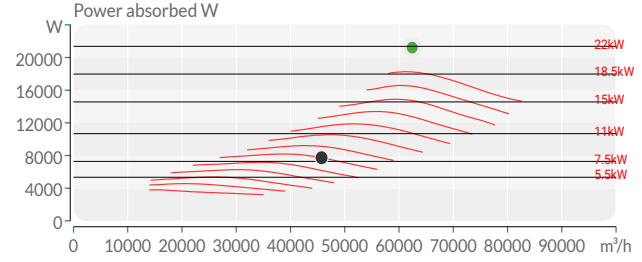
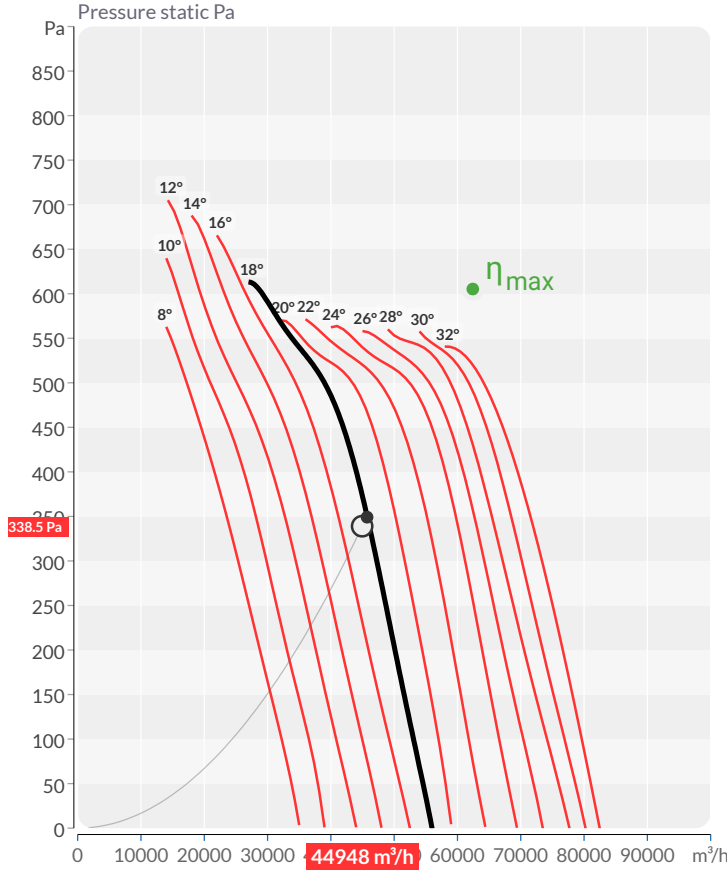




ARMO- A/1000/6-18°/14kW-3.5kW/4-8A

Symbol:W34 Number of pieces:5



Design point

Flow	Q	44948	m³/h
Pressure	Δp	339	Pa
Ambient temperature	t_{MED}	68	°F

Duty point

Flow	Q	45711	62428	m³/h
Static pressure	Δp_{ST}	351	605	Pa
Dynamic pressure	Δp_D	135	294	Pa
Total pressure	Δp_{TOT}	486	899	Pa
Absorbed power	P_{ABS}	7718	21185	W
Current	I_{ABS}	17.61	38.87	A
Instantaneous Rotational Speed	n	1455	1470	rpm
Speed	v	36.2	49.4	mph
Static efficiency	η_{ST}	57.7	49.5	%
Total efficiency	η_{TOT}	79.9	73.6	%
SFP	SFP	1.38	2.78	hp/cfm
Fan Energy Index	FEI	NaN	-	
Regulation		-	-	Hz

Sound power level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L_{WA5}	73	83	91	96	96	93	89	82	101
Outlet - L_{WA6}	74	84	93	97	97	95	90	83	102
Edited - L_{WA2}	68	78	87	91	91	89	84	77	96

Sound pressure level	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Σ
Inlet - L_{PA5}	59	69	77	82	82	79	75	68	87
Outlet - L_{PA6}	60	70	79	83	83	81	76	69	88
Edited - L_{PA2}	54	64	73	77	77	75	70	63	82

The sound pressure level was determined for the conditions
distance from the fan 3m, slope factor Q: 2, sound wave disturbance, equivalent absorption area 200m² Sabine

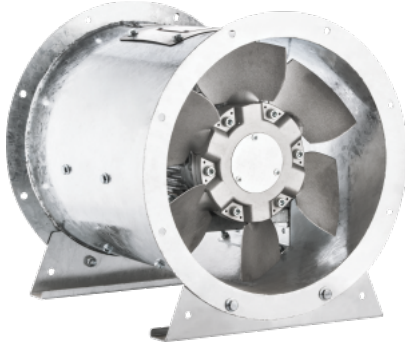
Nominal parameters

Maximum Airflow Volume	Q_{MAX}	82600	m³/h
Maximum Static Pressure	Δp_{MAX}	800	Pa
Nominal power	P_{NOM}	18500	W
Nominal Rotational Speed	n	1450	rpm
Nominal current	I_{NOM}	34.5	A
Nominal voltage	U_{NOM}	400	V
Number of phases	~	3	
Nominal frequency	f_{NOM}	50	Hz
Diameter	$\varnothing$	3.28	ft
Profile for rectangular connections	AxB	3.49x4.92	ftxft
Maximum frequency in regulation	f_{MAX}	60	Hz
Minimum operating temperature	t_{OPmin}	-4	°F
Maximum operating temperature	t_{OPmax}	131	°F
Maximum medium temperature	t_{MEDmax}	131	°F
Maximum ambient temperature	t_{AMBmax}	131	°F
Number of Motor Poles	pole	4/8	x
Motor type		AC	
Type of motor control		Hz	
Motor protection		TEAO	
Motor insulation class		F	
Motor protection class		IP55	

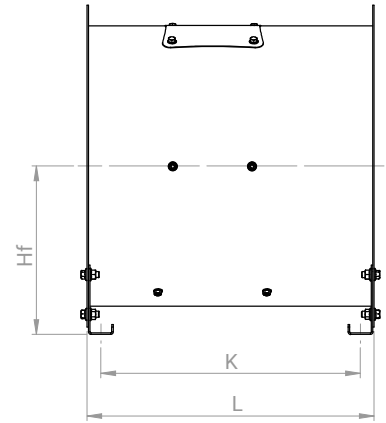
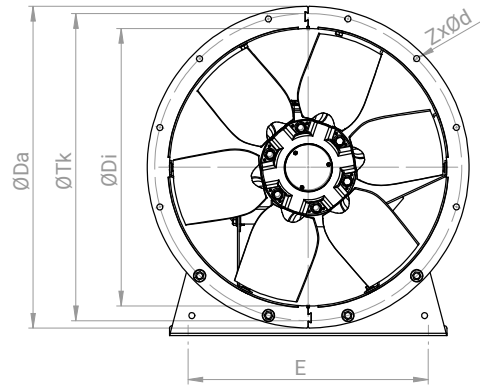


ARMO- A/1000/6-18°/14kW-3.5kW/4-8A

Symbol:W34 Number of pieces:5



Dimensions [ft]



E	K	L	Z	d	Da	Di	Hf	Tk
2.54	2.53	2.79	0.05	0.05	3.63	3.28	1.89	3.51

Tube Axial Fans

Axial tube fans are used in pressurization fan, fresh air fan and smoke exhaust fan applications. The fan sleeve is fire resistant and designed according to the noise standard. Smoke evacuation fans are fire resistant. Smoke discharge fans can be installed vertically and horizontally according to the characteristics of the structure. Fresh air fan can operate at 55 Celcius temperature.

General Features

EN 12101-3 and CE certificates.
 2 hours continuous operation at 400°C and 300°C.
 There is a wide product range from 400 mm to 1250 mm.

Rotor Features

Fire resistant aluminum alloy casting blades and fan hub.
 Wings are airfoil and provide high aerodynamic performance
 Wing angles are adjustable. In this way, smoke discharge fans can be demanded at different flow rates and pressures.
 The fan part of the fan is balanced dynamically to ISO 1940 and there is no eccentricity during the operation of the fan.

Body Features

Fan body is steel sheet. Body is hot dip galvanized and corrosion resistant.

Motor Features

Offers 2, 4 and 6-pole motors.
 The motors are IP55 class and Class H insulated.
 All electric motor models are approved for continuous operation (S1) and Emergency operation (S2).

Ease of Maintenance

A maintenance cover is provided to ensure easy maintenance.

Usage Areas

They are the fans that provide the combustion of toxic gases that are supplied by the jet fans to the external environment. Axial fans are used in pressurization fan, fresh air fan and smoke exhaust fan applications.

Electric connection diagram

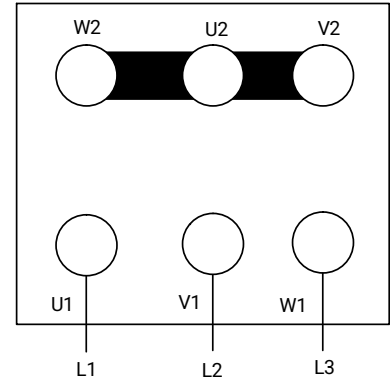
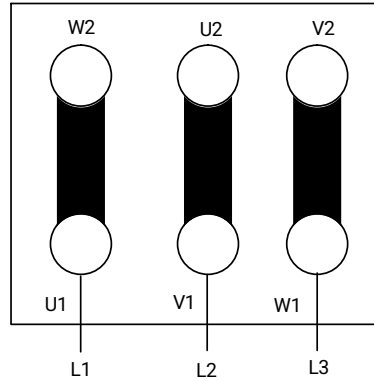
19



Connection
Bağlantı



Connection
Bağlantı



Support/Files

- <https://www.bvnair.com/fansecim/data/f.php?path=revit%2FARMO-A.rfa>
- <https://www.bvnair.com/fansecim/data/f.php?path=dimension%2FARMO-A.drawing.pdf>
- https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FCE_AXIALFAN_ARMO_F300_3435-CPR.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FCE_AXIALFAN_ARMO_F400_3914-CPR.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FCE_AXIALFAN_F300-APF-1401-3435.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FCE_AXIALFAN_F400-APF-1691-3914.pdf
- https://www.bvnair.com/fansecim/data/f.php?path=certificate%2FEAC_RU.pdf

