



fantürk
AIR CONDITIONING SYSTEMS

Product Catalogue

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Y-FWA Axial Smoke Exhaust Fan



Technical Specifications

AXIAL SMOKE EXHAUST FAN

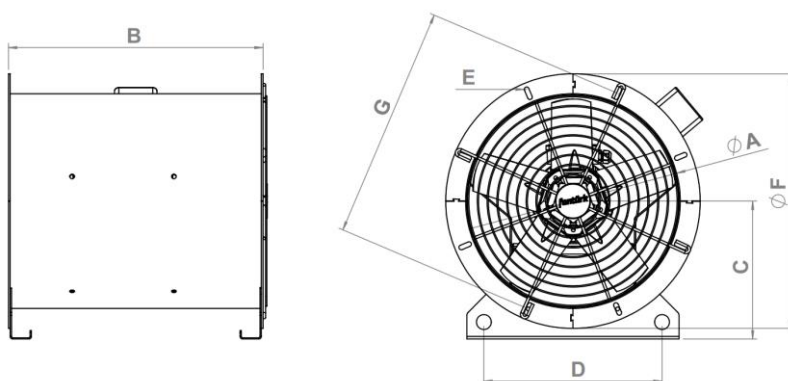
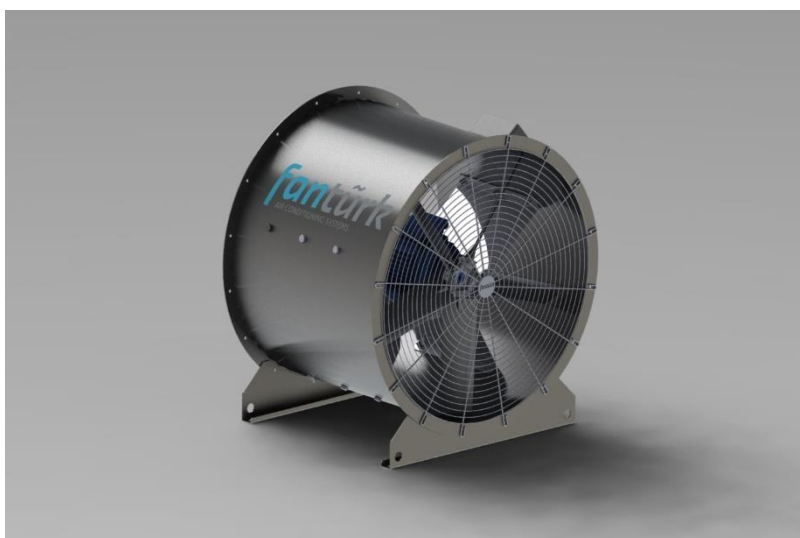
Y-FWA series axial smoke exhaust fans are the ideal fans to meet the need to exhaust fire smoke in ventilation systems. Thanks to their compact construction, they can be installed directly in air ducts, shaft, roof floor, any position required. The products have fire-resistant certificate and tested for working for 2 hours at 400 °C and 2 hours at 300 °C in international accredited organizations according to EN 12101-3 standard.

With wide selection of models, Y-FWA models offer working range of 4000 m³/h – 140.000 m³/h in different pressure range.

It is manufactured between Ø400mm and Ø1250mm diameters. The body is made of high quality, corrosion-resistant galvanized steel. The propellers are made of special aluminum alloy with adjustable blade angles. It is manufactured as standard (380 V - 50 Hz) or other voltages and frequencies (400/415/440 V - 50 Hz) on request. Motors can be single-speed or double speed and have Class H, S1, IP55 insulation. The sound level can be controlled by adding a silencer at the sensitive points.

Usage Areas

Can be used to meet the smoke exhaust requirement in ventilations systems of all kinds of industrial buildings, shopping malls, residences, hotels, hospitals, schools, offices, car parks and residences.

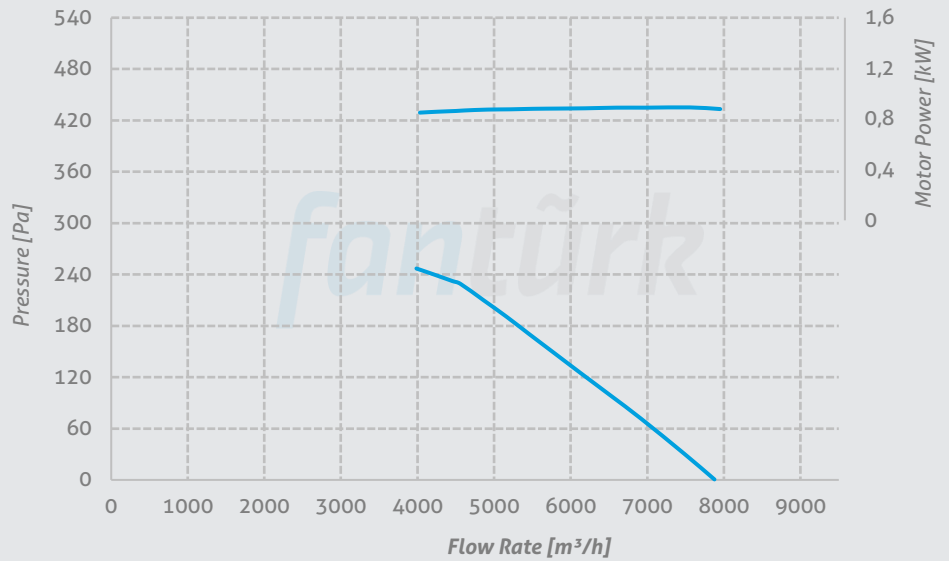


	A	B	C	D	E	F	G	VOLTAGE	FREQUENCY	WORKING ENVIRONMENT
MODEL	mm	mm	mm	mm	mm	mm	mm	V	Hz	
Y-FWA 400	400	500	275	320	8x11x31	500	450	380	50	300 °C / 2 Hour
Y-FWA 450	450	500	300	370	8x11x31	550	500	380	50	300 °C / 2 Hour
Y-FWA 500	500	600	325	420	8x11x31	600	550	380	50	300 °C / 2 Hour
Y-FWA 560	560	600	355	480	8x11x31	660	610	380	50	300 °C / 2 Hour
Y-FWA 630	630	600	390	550	8x11x31	730	680	380	50	300 °C / 2 Hour
Y-FWA 710	710	600	430	630	16x11x31	810	760	380	50	300 °C / 2 Hour
Y-FWA 800	800	650	475	720	16x11x31	900	850	380	50	300 °C / 2 Hour
Y-FWA 900	900	750	525	720	16x11x31	1000	950	380	50	300 °C / 2 Hour
Y-FWA 1000	1000	800	595	820	16x11x31	1100	1050	380	50	300 °C / 2 Hour
Y-FWA 1120	1120	900...950	655	920	16x11x31	1220	1170	380	50	300 °C / 2 Hour
Y-FWA 1250	1250	950	720	1020	16x11x31	1350	1300	380	50	300 °C / 2 Hour

Performance Curves of Devices with Axial Fan

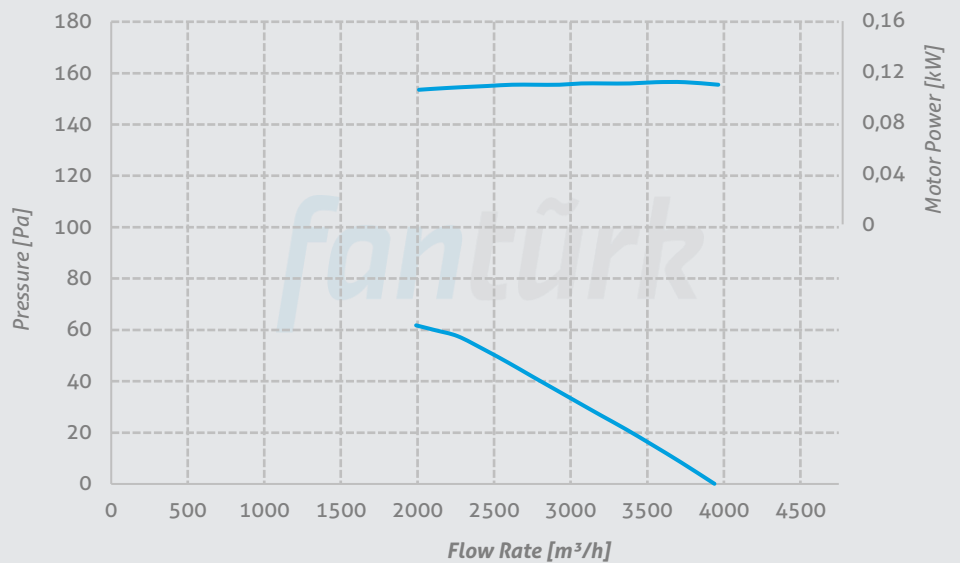
P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



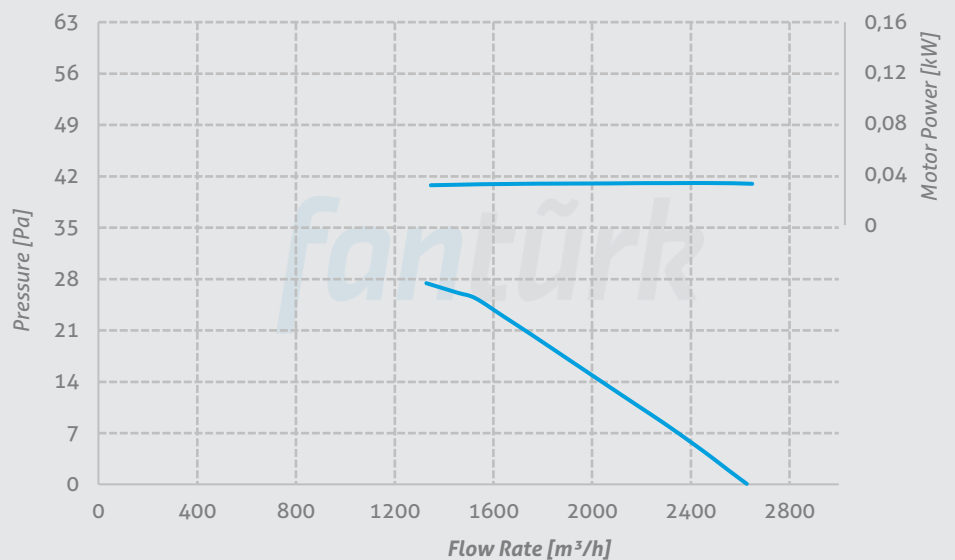
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Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

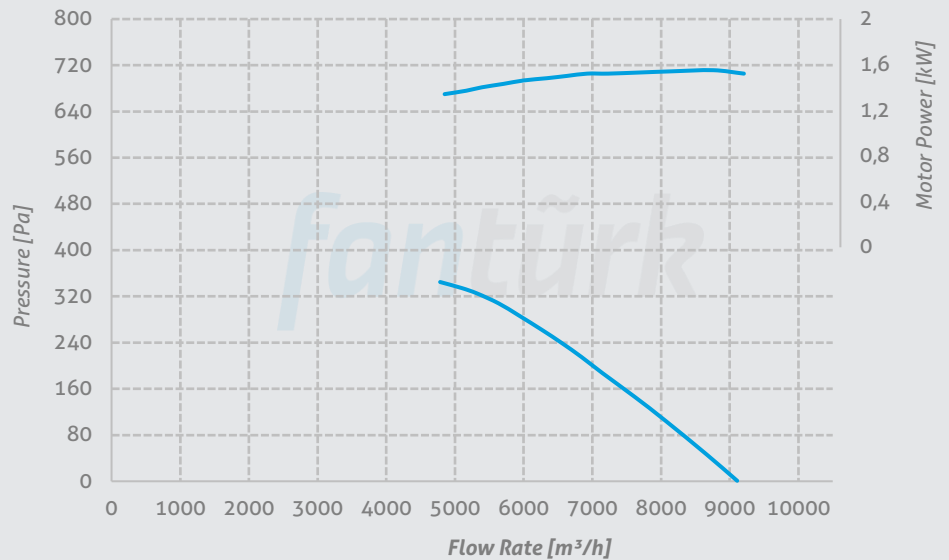
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 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum



Performance Curves

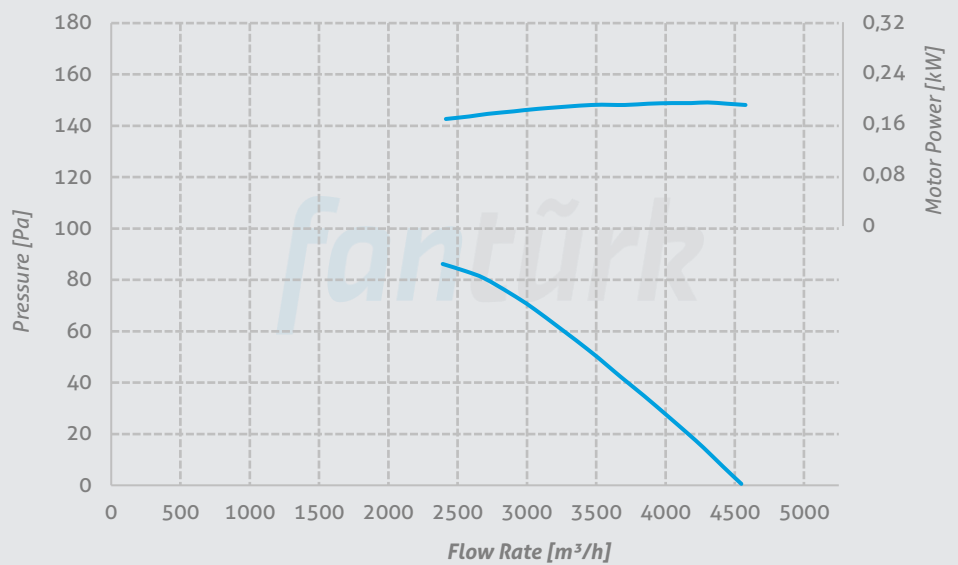
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Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 6
Hub Size 6
Pitch Angle 45°
Nos. of Poles 2
Material Aluminum



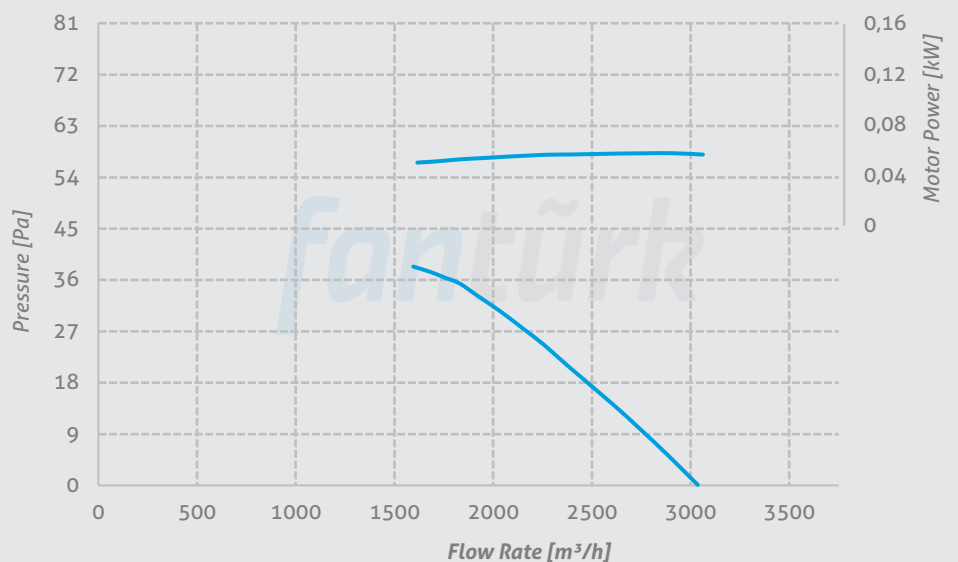
P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 6
Hub Size 6
Pitch Angle 45°
Nos. of Poles 4
Material Aluminum



P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 6
Hub Size 6
Pitch Angle 45°
Nos. of Poles 6
Material Aluminum

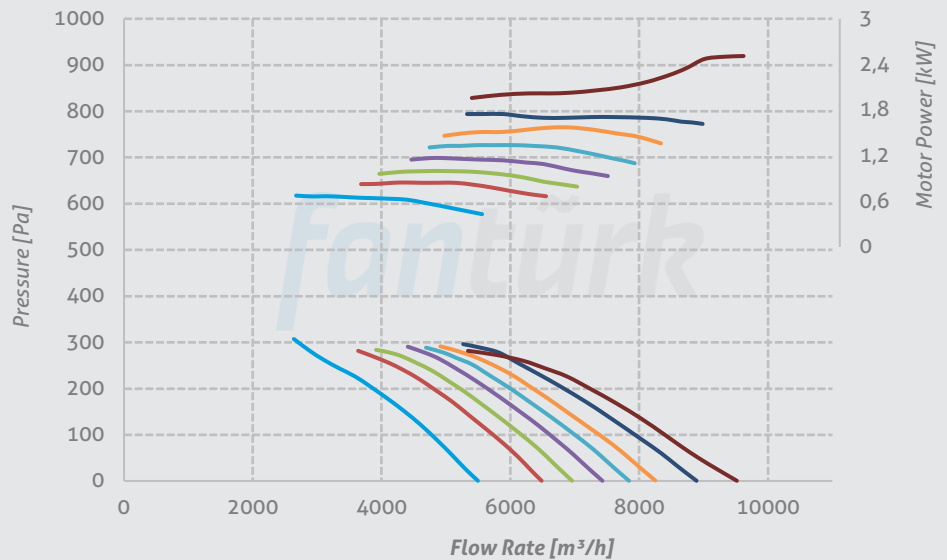


Performance Curves

P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 2
 Material Aluminum
 Pitch Angle

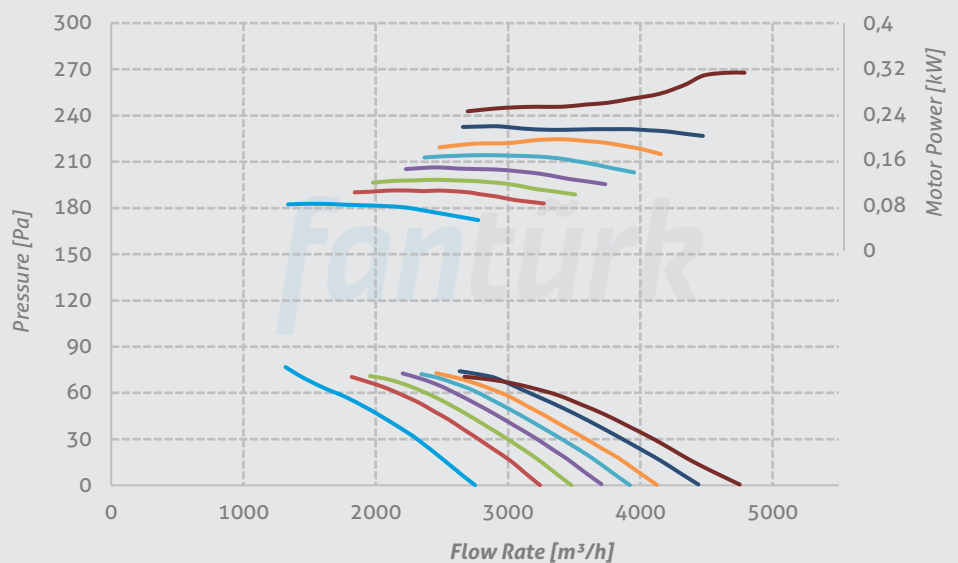
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 45° 50°



P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 4
 Material Aluminum
 Pitch Angle

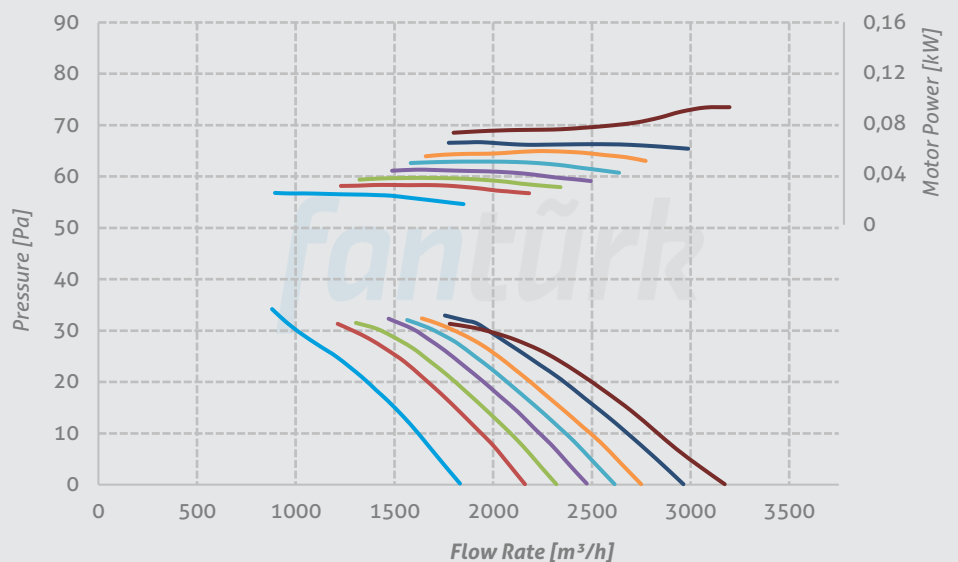
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P-FWA 400
Y-FWA 400
H-FWA 400
Ç-FWA 400

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 6
 Material Aluminum
 Pitch Angle

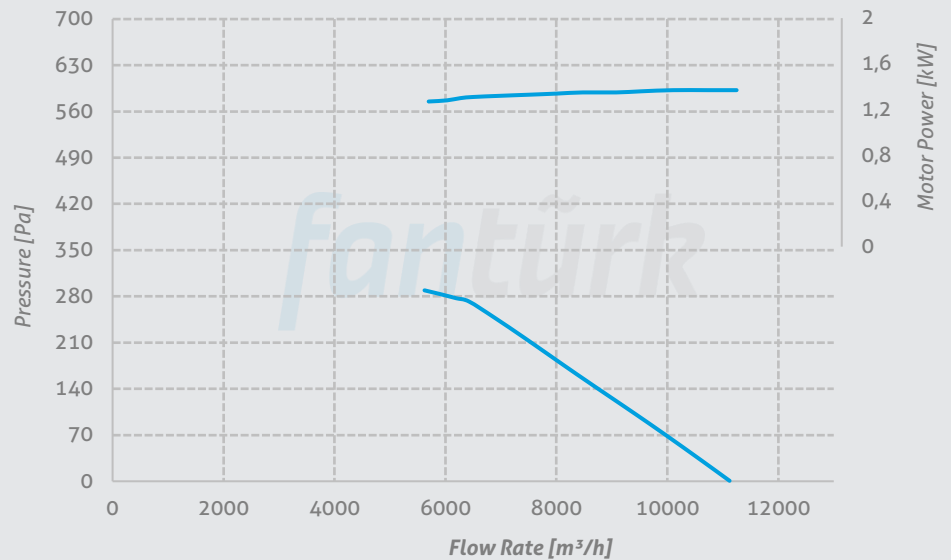
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Performance Curves

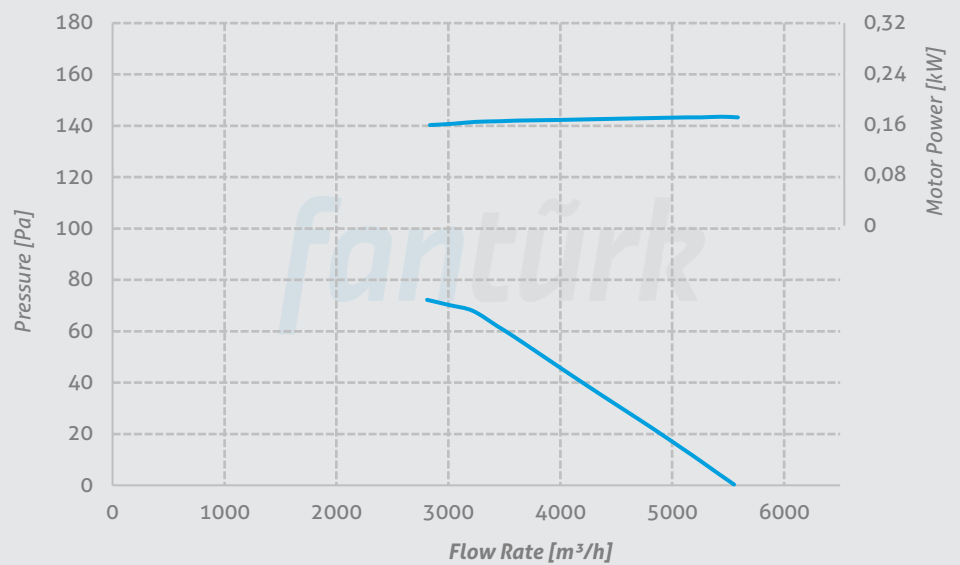
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H-FWA 450
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Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



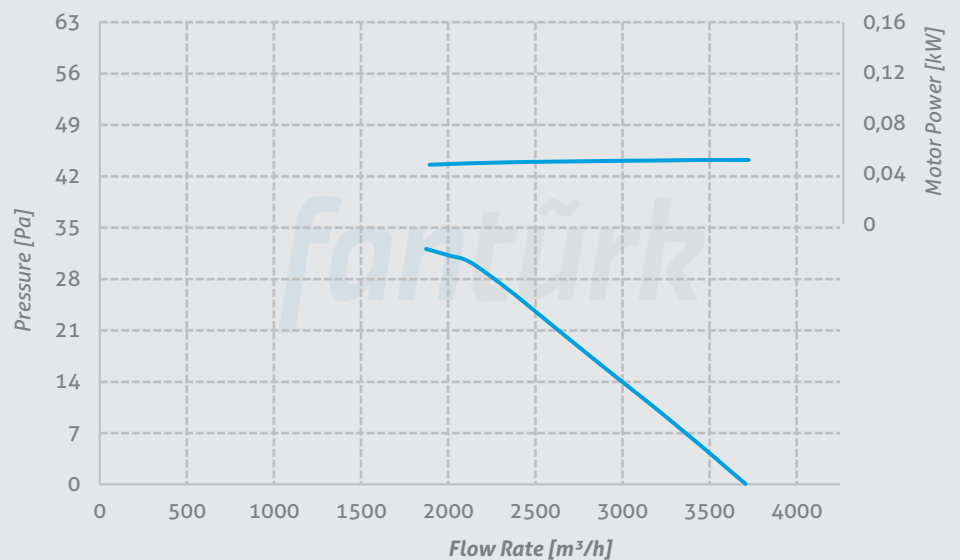
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Y-FWA 450
H-FWA 450
Ç-FWA 450

Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 450
Y-FWA 450
H-FWA 450
Ç-FWA 450

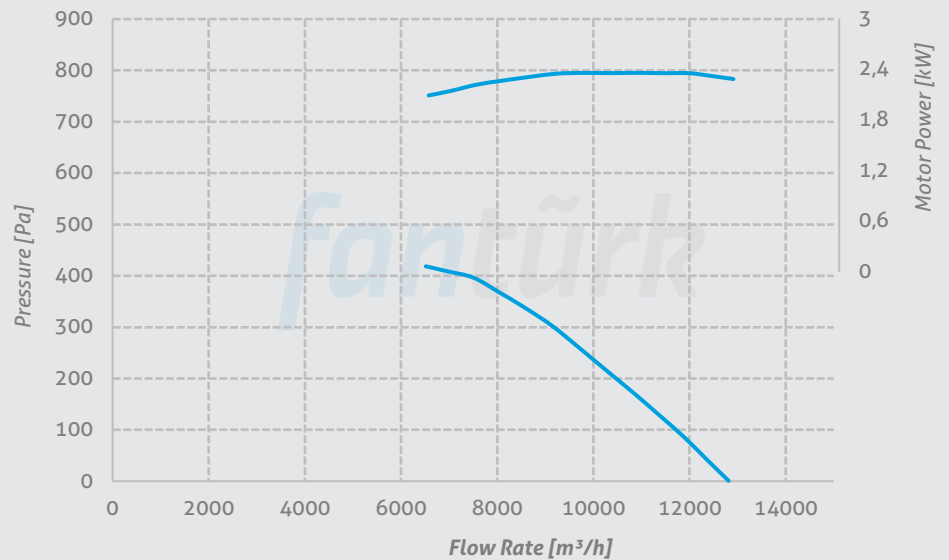
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 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum



Performance Curves

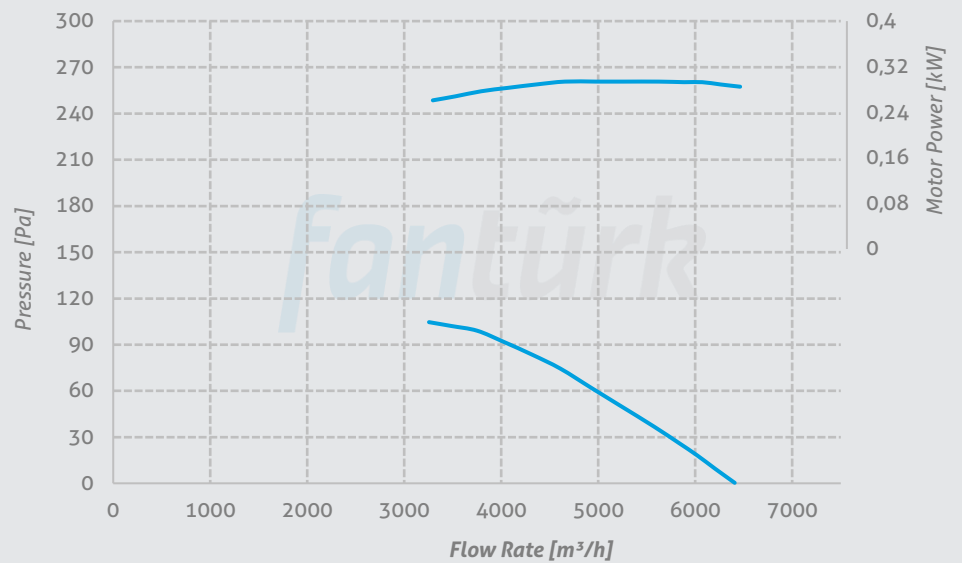
P-FWA 450
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H-FWA 450
Ç-FWA 450

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



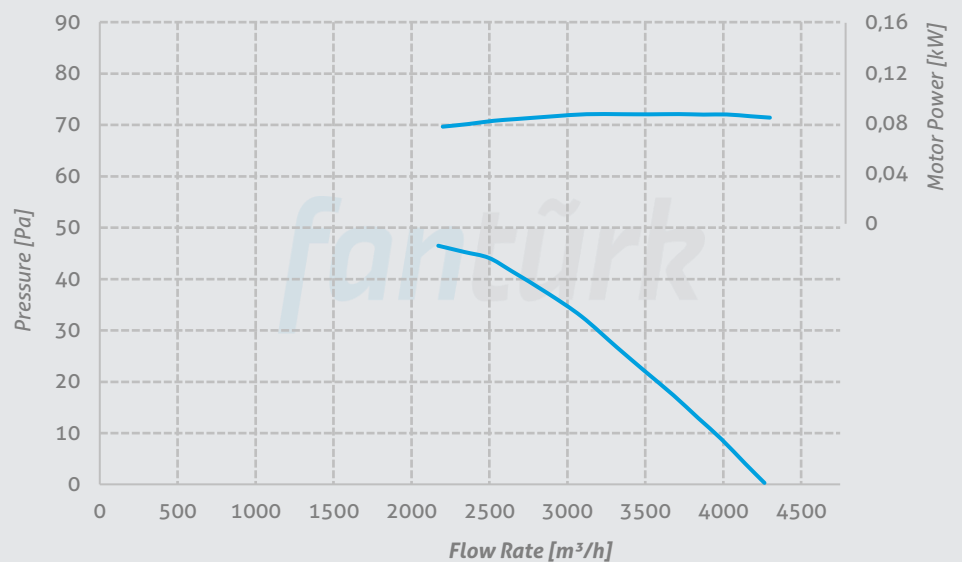
P-FWA 450
Y-FWA 450
H-FWA 450
Ç-FWA 450

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 450
Y-FWA 450
H-FWA 450
Ç-FWA 450

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum

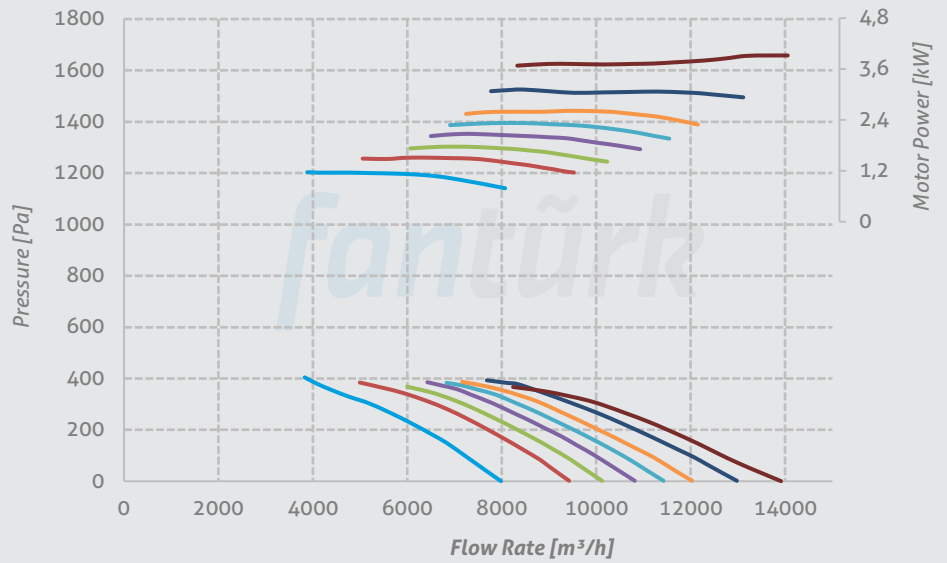


Performance Curves

P-FWA 450 Y-FWA 450 H-FWA 450 Ç-FWA 450

Nos. of Blades 5
Hub Size 5
Nos. of Poles 2
Material Aluminum
Pitch Angle

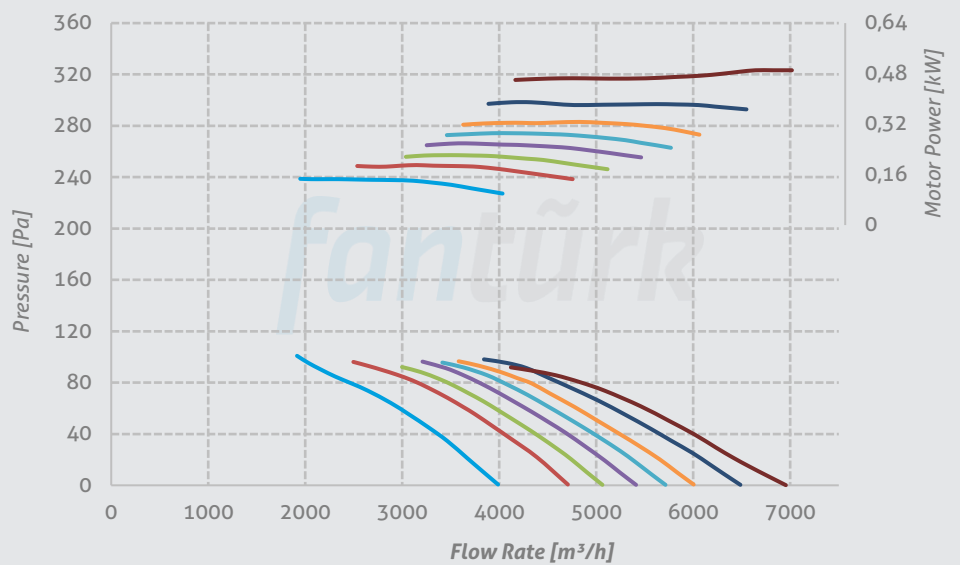
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45° 50°



P-FWA 450 Y-FWA 450 H-FWA 450 Ç-FWA 450

Nos. of Blades 5
Hub Size 5
Nos. of Poles 4
Material Aluminum
Pitch Angle

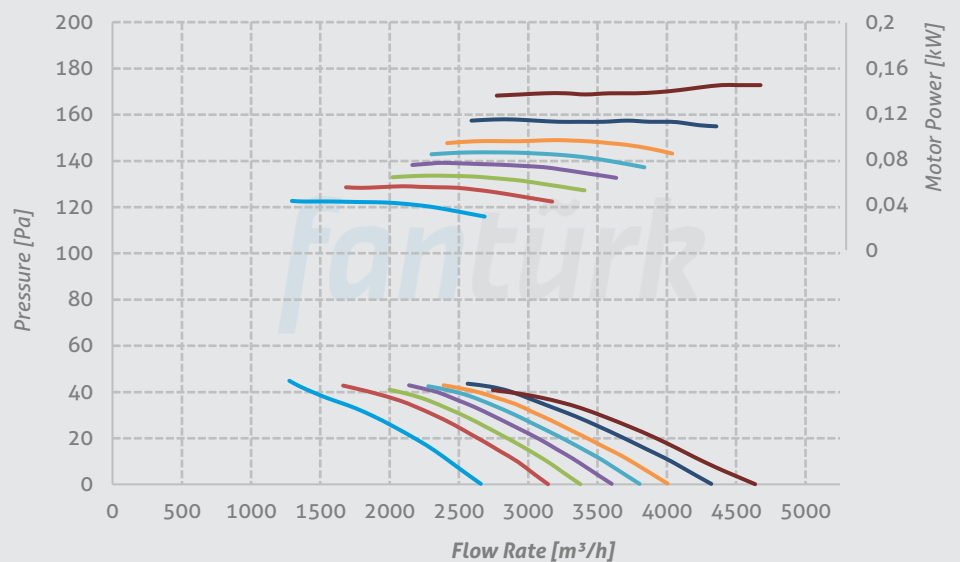
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P-FWA 450 Y-FWA 450 H-FWA 450 Ç-FWA 450

Nos. of Blades 5
Hub Size 5
Nos. of Poles 6
Material Aluminum
Pitch Angle

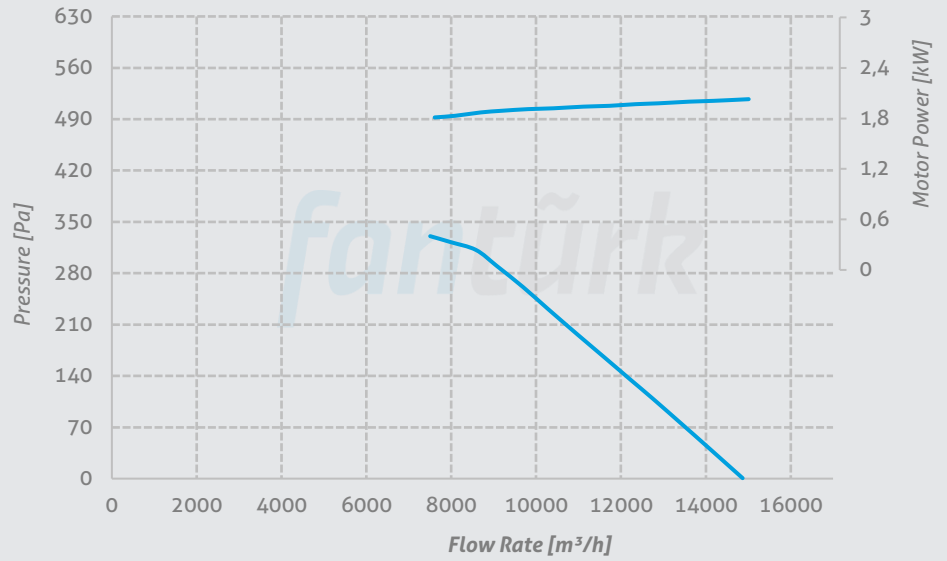
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45° 50°



Performance Curves

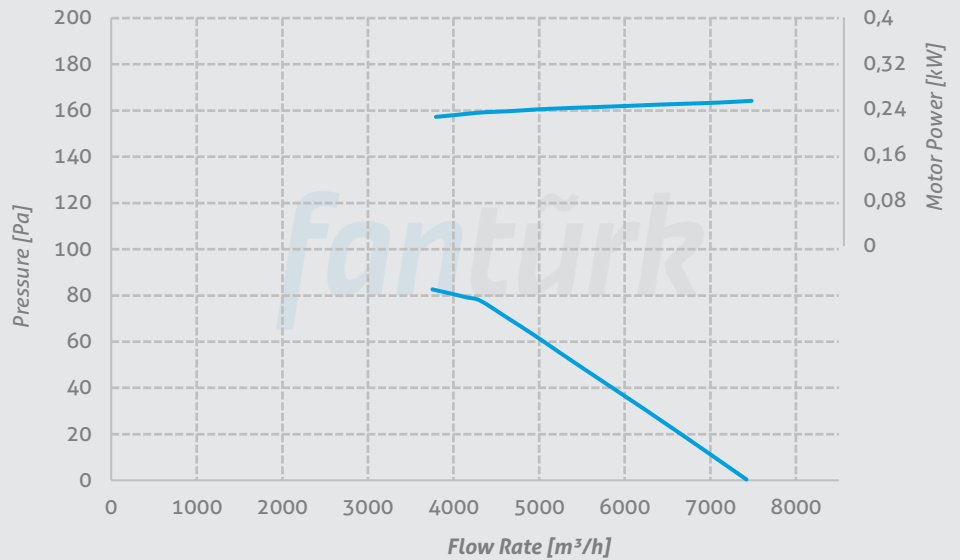
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H-FWA 500
Ç-FWA 500

Nos. of Blades 3
Hub Size 6
Pitch Angle 45°
Nos. of Poles 2
Material Aluminum



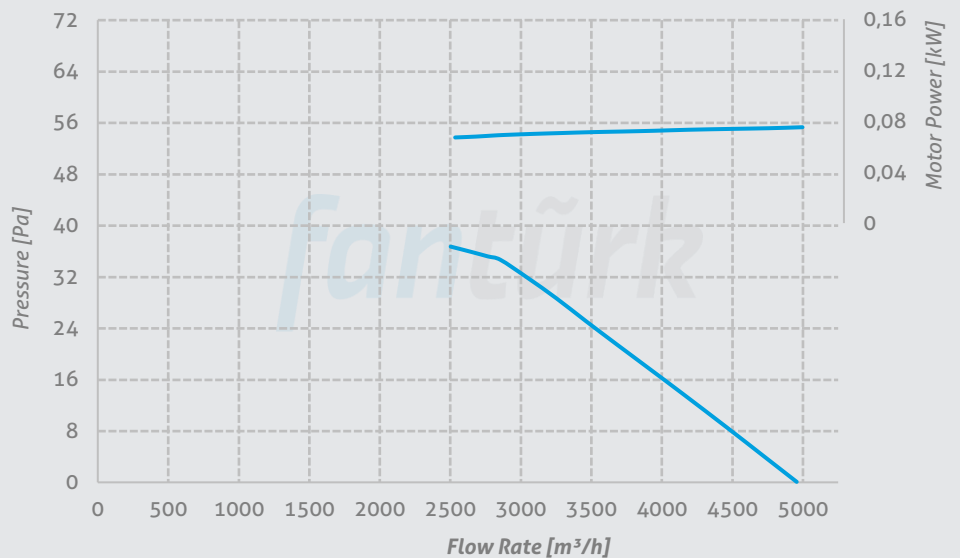
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Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 3
Hub Size 6
Pitch Angle 45°
Nos. of Poles 4
Material Aluminum



P-FWA 500
Y-FWA 500
H-FWA 500
Ç-FWA 500

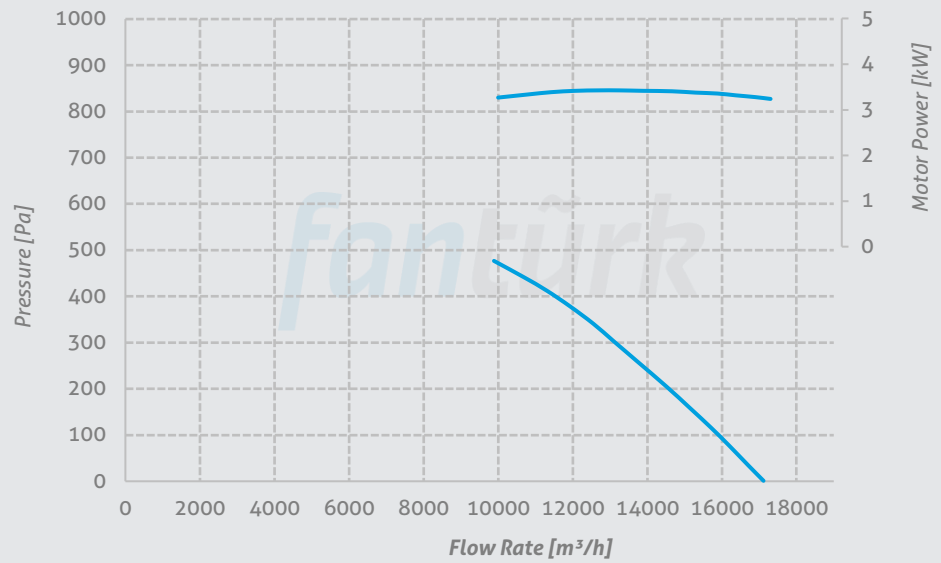
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Hub Size 6
Pitch Angle 45°
Nos. of Poles 6
Material Aluminum



Performance Curves

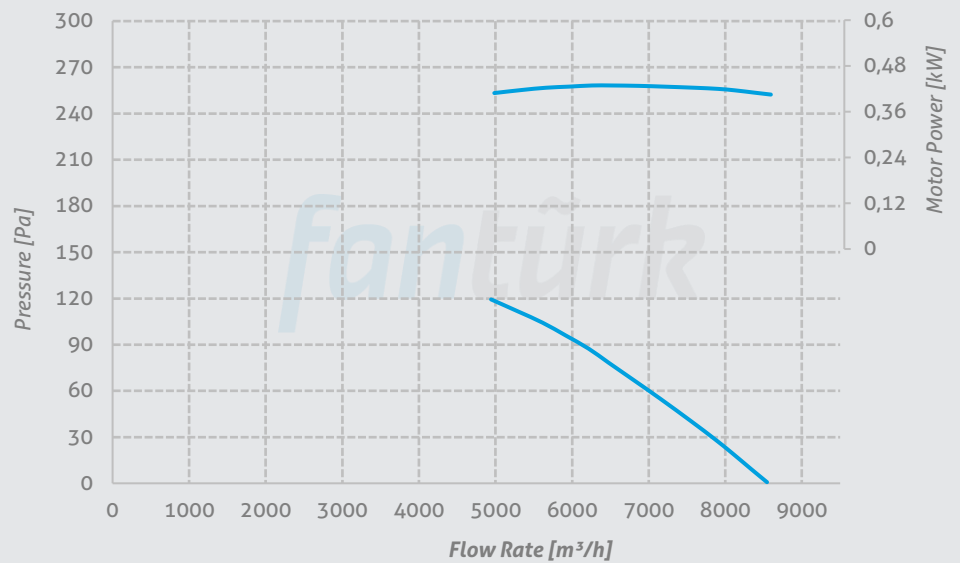
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H-FWA 500
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Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



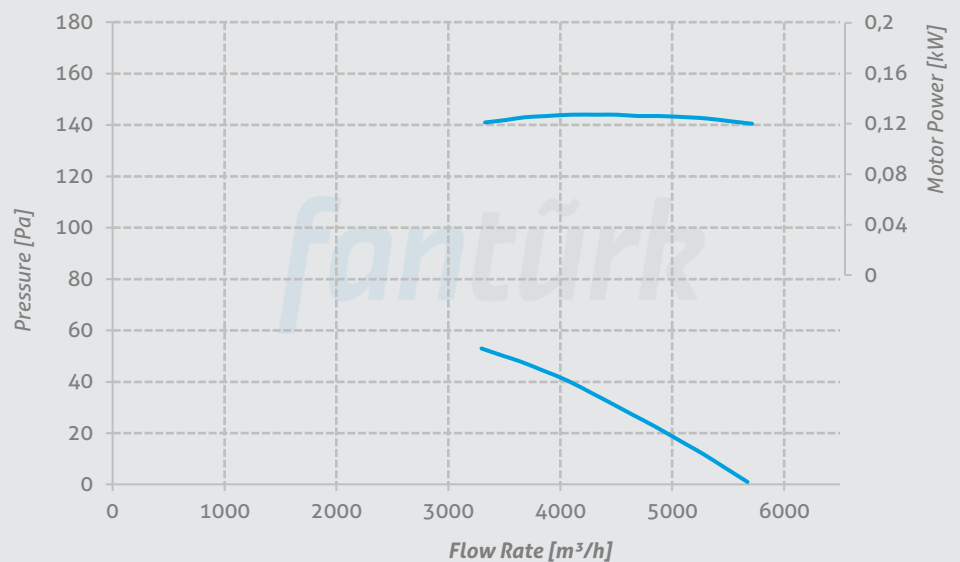
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Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 500
Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum

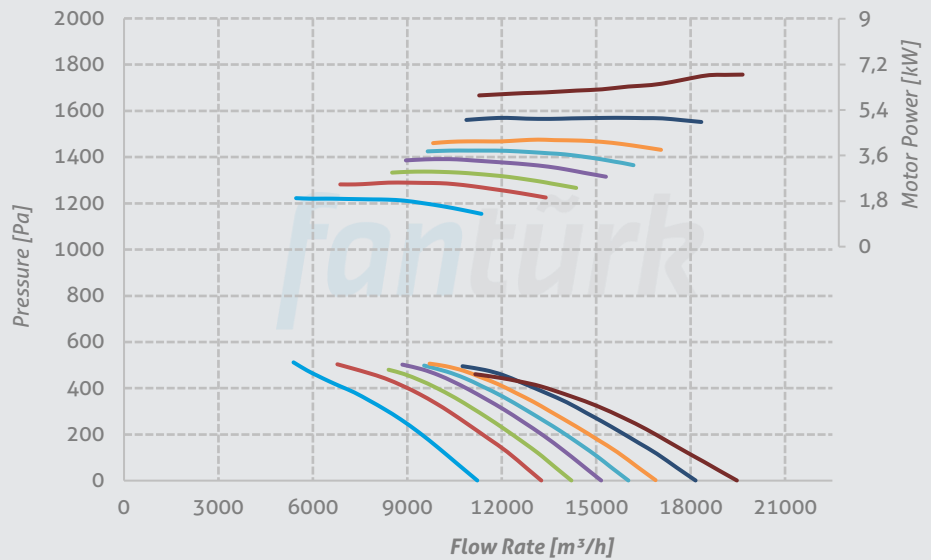


Performance Curves

P-FWA 500
Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 2
 Material Aluminum
 Pitch Angle

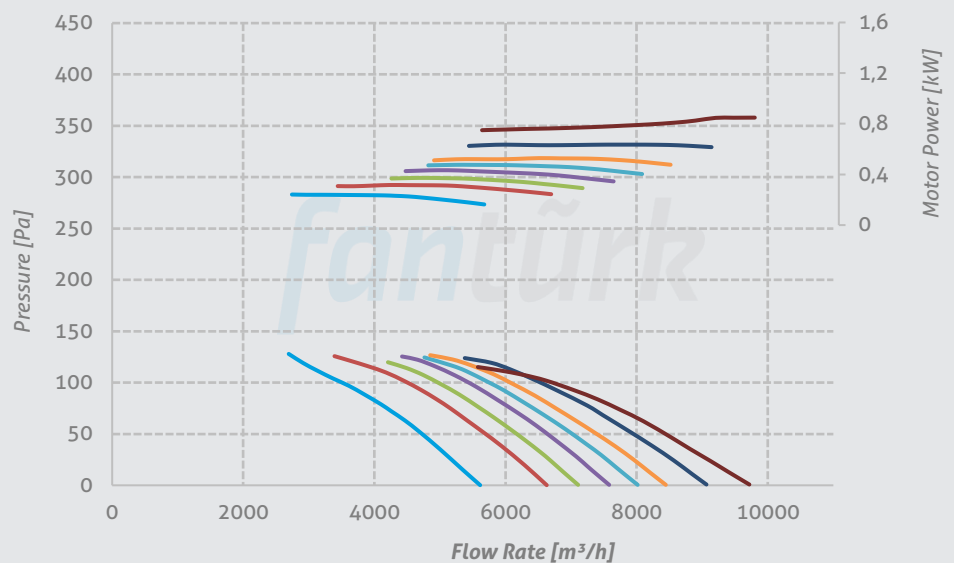
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 35° 37,5° 40°
 45° 50°



P-FWA 500
Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 4
 Material Aluminum
 Pitch Angle

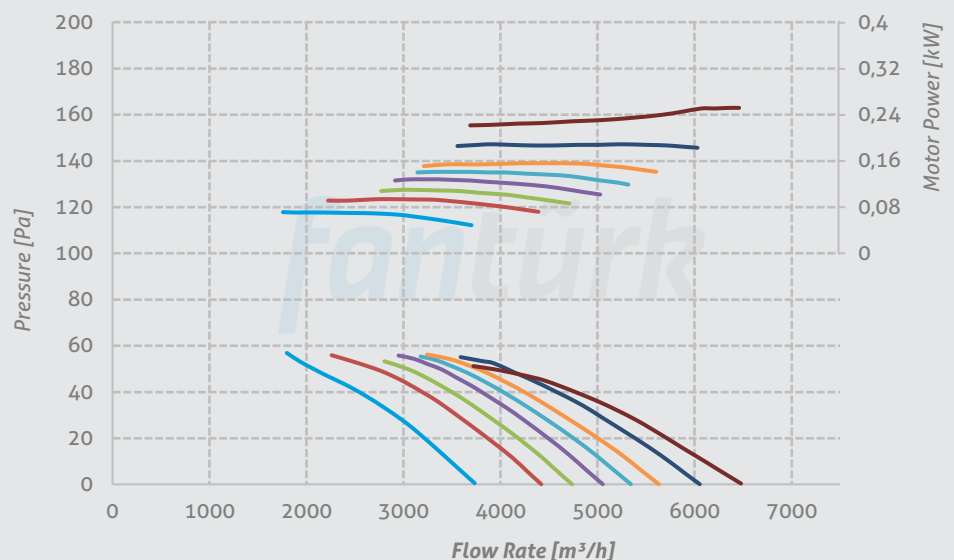
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 45° 50°



P-FWA 500
Y-FWA 500
H-FWA 500
Ç-FWA 500

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 6
 Material Aluminum
 Pitch Angle

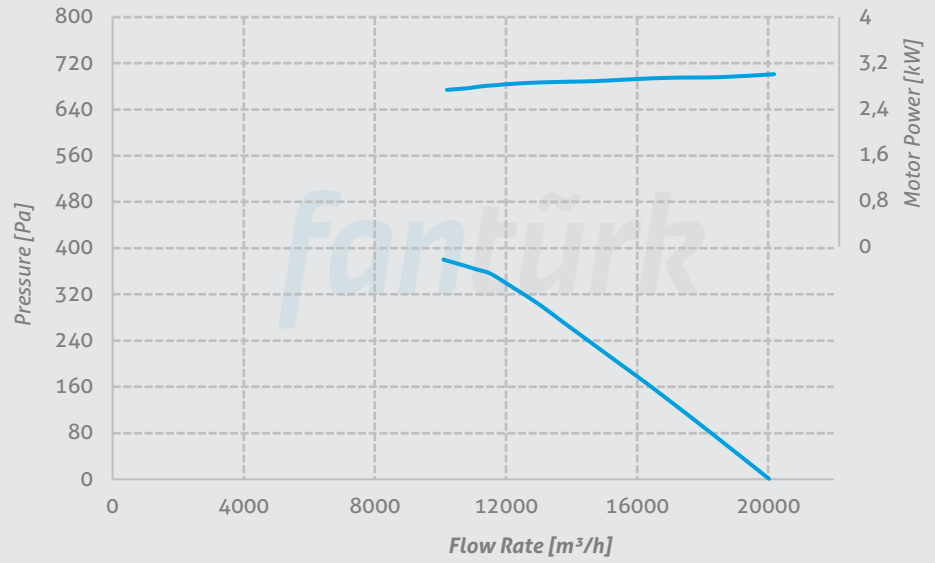
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Performance Curves

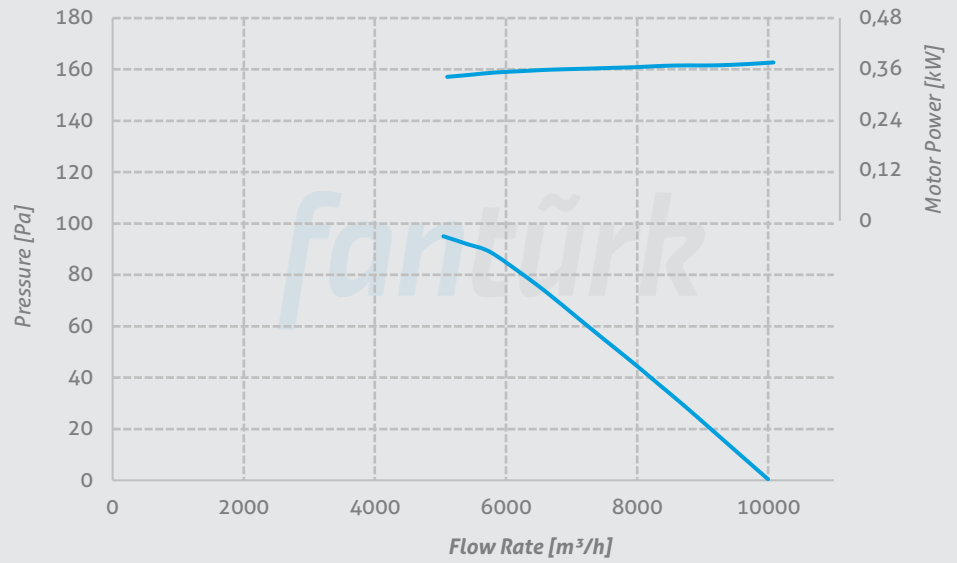
P-FWA 560
Y-FWA 560
H-FWA 560
Ç-FWA 560

Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



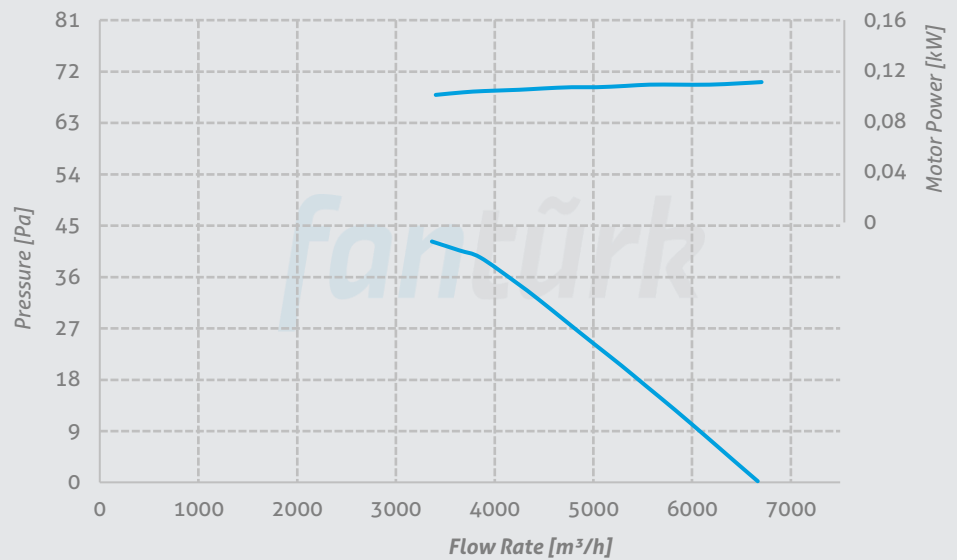
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Y-FWA 560
H-FWA 560
Ç-FWA 560

Nos. of Blades 3
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 560
Y-FWA 560
H-FWA 560
Ç-FWA 560

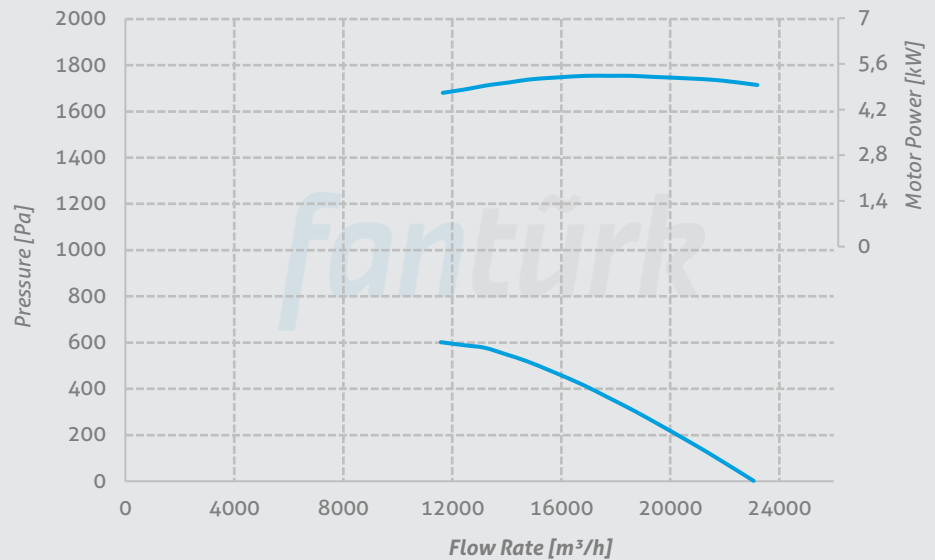
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 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum



Performance Curves

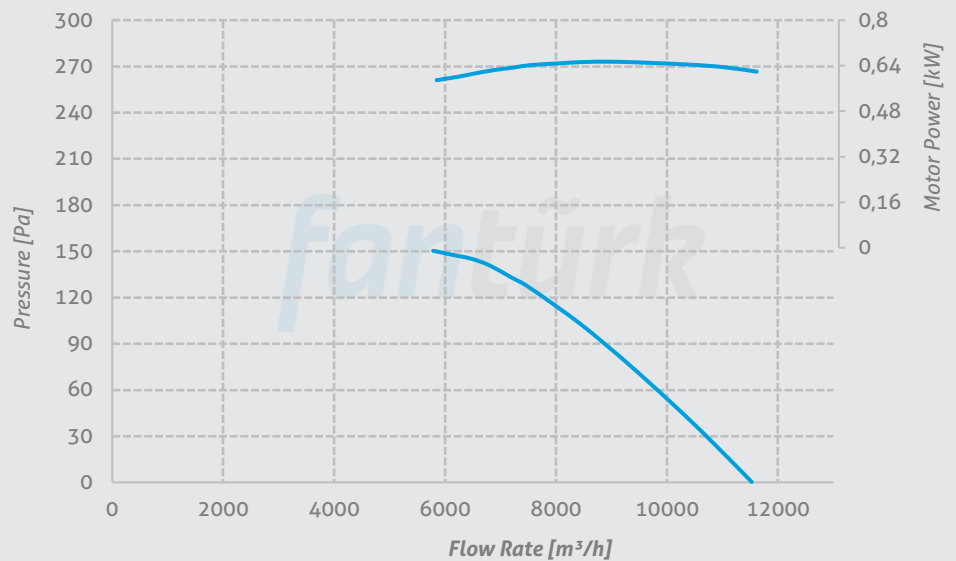
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Y-FWA 560
H-FWA 560
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Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 2
 Material Aluminum



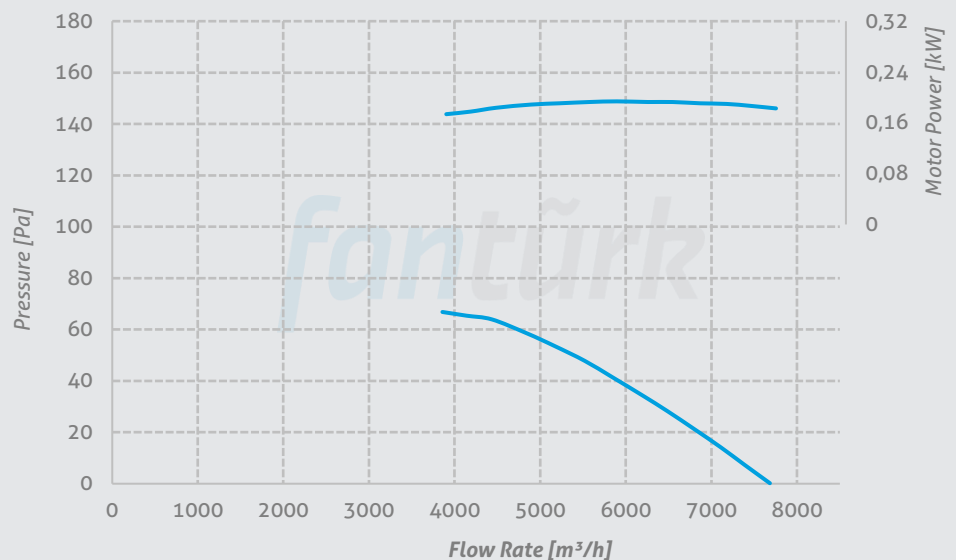
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Y-FWA 560
H-FWA 560
Ç-FWA 560

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 4
 Material Aluminum



P-FWA 560
Y-FWA 560
H-FWA 560
Ç-FWA 560

Nos. of Blades 6
 Hub Size 6
 Pitch Angle 45°
 Nos. of Poles 6
 Material Aluminum

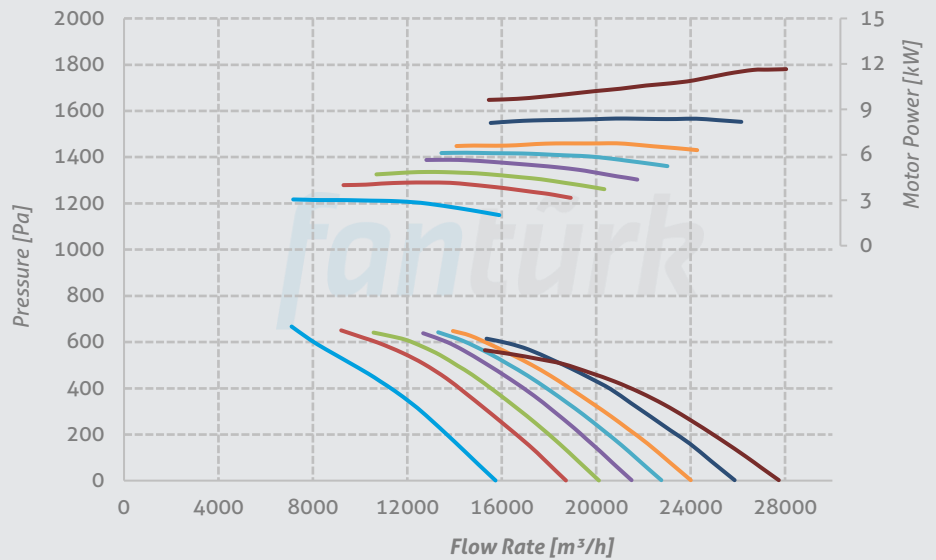


Performance Curves

P-FWA 560 Y-FWA 560 H-FWA 560 Ç-FWA 560

Nos. of Blades 5
Hub Size 5
Nos. of Poles 2
Material Aluminum
Pitch Angle

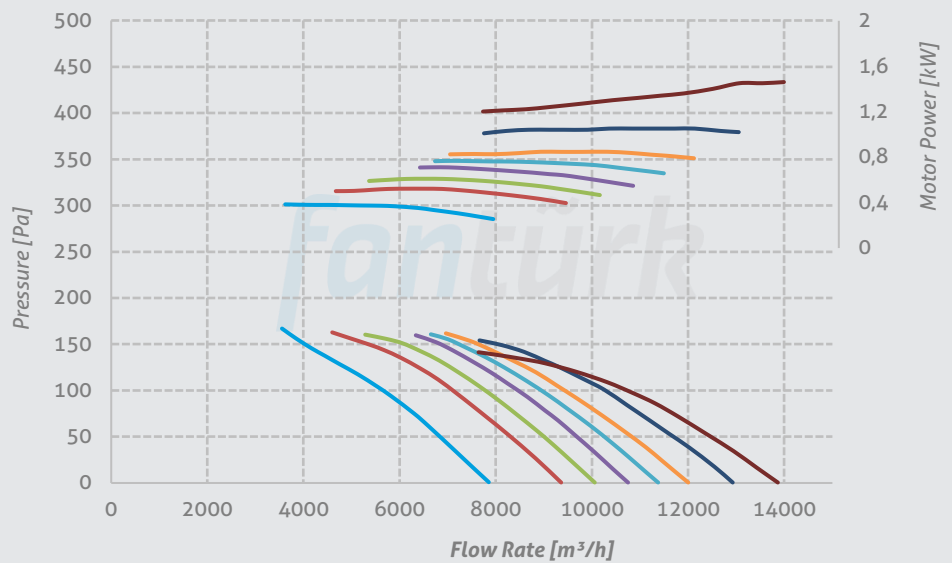
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45° 50°



P-FWA 560 Y-FWA 560 H-FWA 560 Ç-FWA 560

Nos. of Blades 5
Hub Size 5
Nos. of Poles 4
Material Aluminum
Pitch Angle

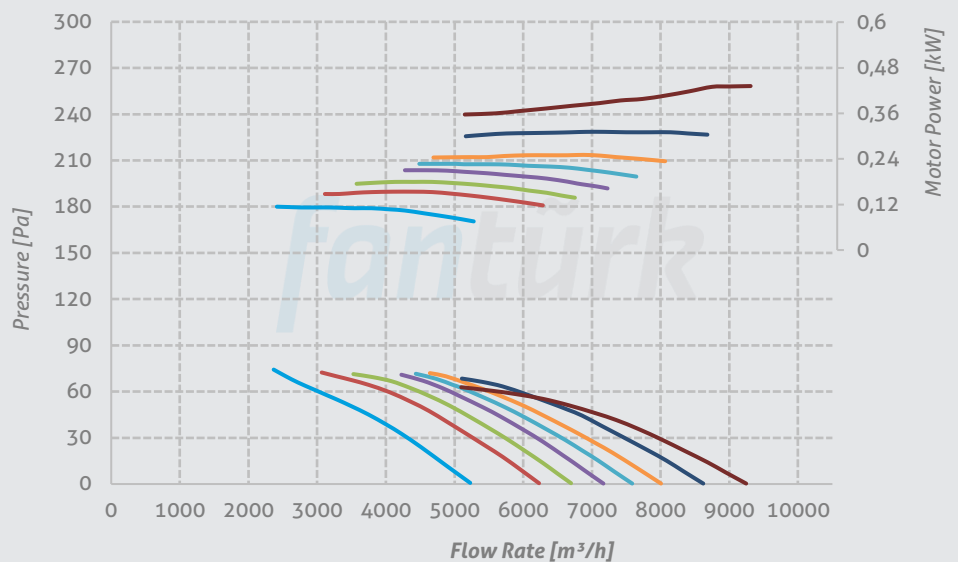
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45° 50°



P-FWA 560 Y-FWA 560 H-FWA 560 Ç-FWA 560

Nos. of Blades 5
Hub Size 5
Nos. of Poles 6
Material Aluminum
Pitch Angle

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35° 37,5° 40°
45° 50°

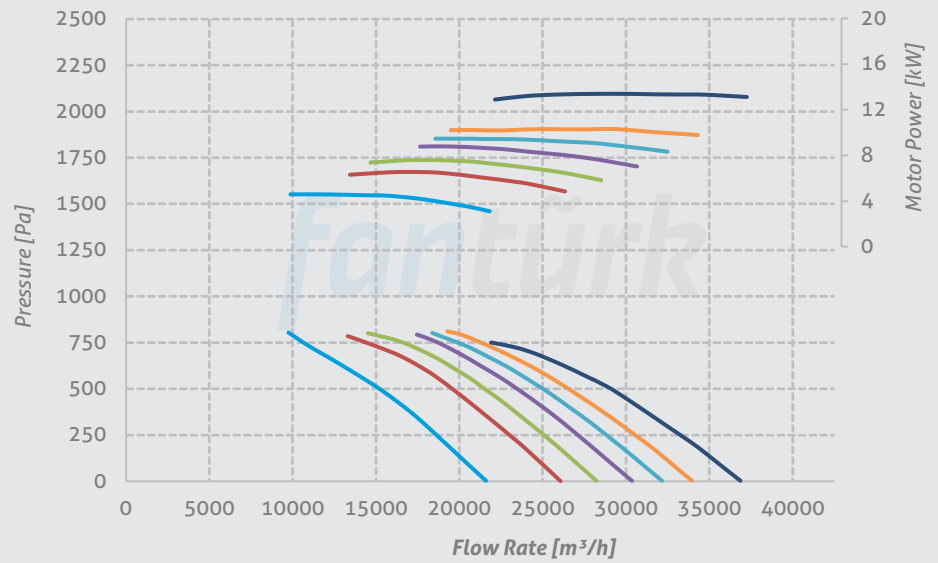


Performance Curves

P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 5
Hub Size 5
Nos. of Poles 2
Material Aluminum
Pitch Angle

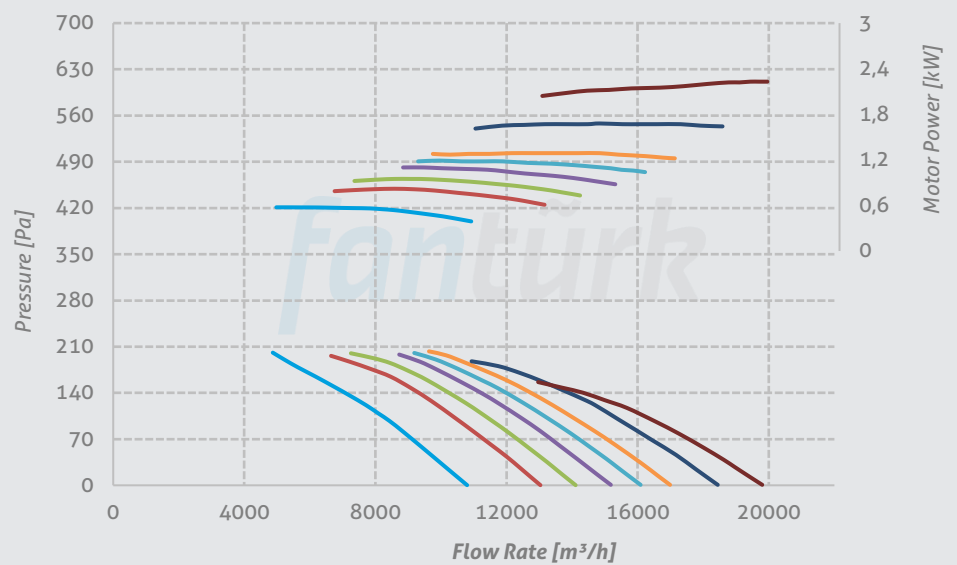
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35° 37,5° 40°
45°



P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 5
Hub Size 5
Nos. of Poles 4
Material Aluminum
Pitch Angle

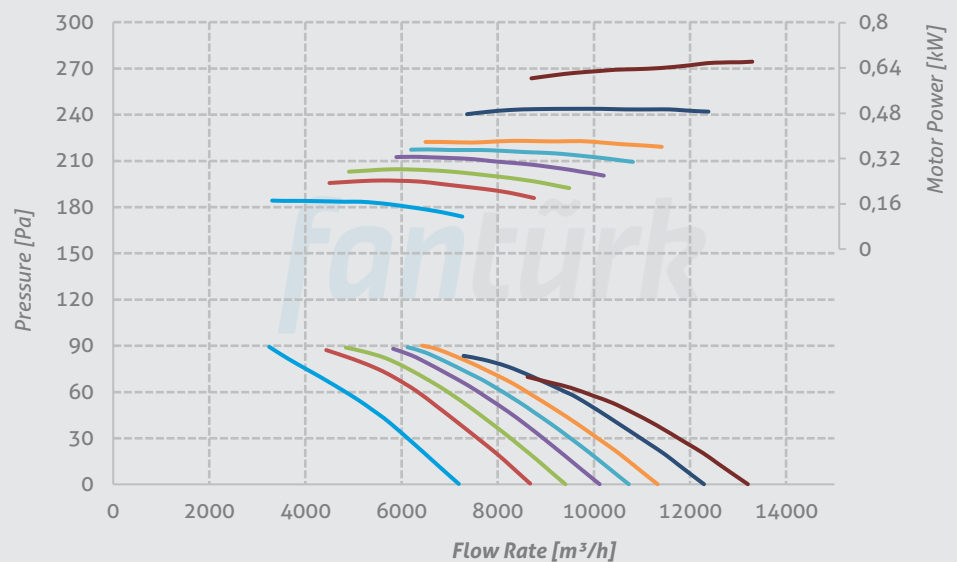
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35° 37,5° 40°
45° 50°



P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 5
Hub Size 5
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

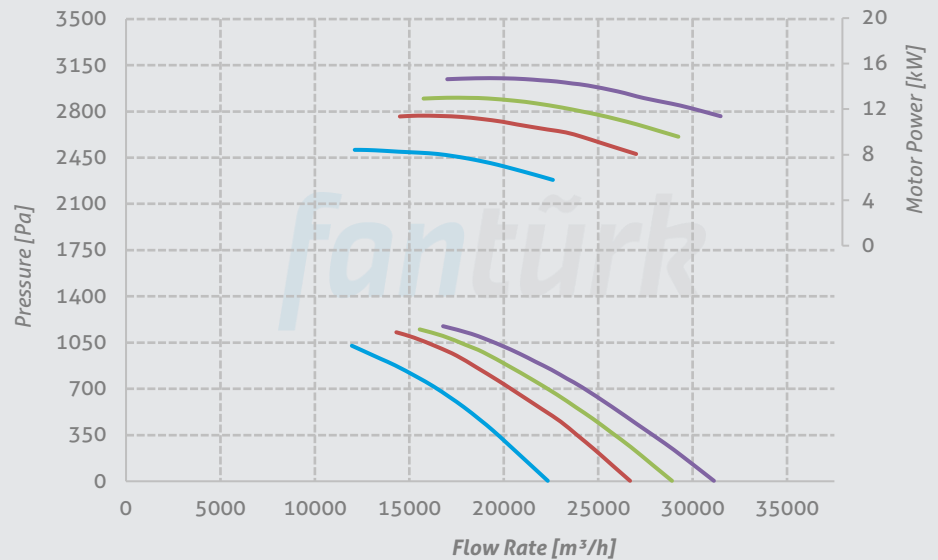


Performance Curves

P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 8
Hub Size 8
Nos. of Poles 2
Material Aluminum
Pitch Angle

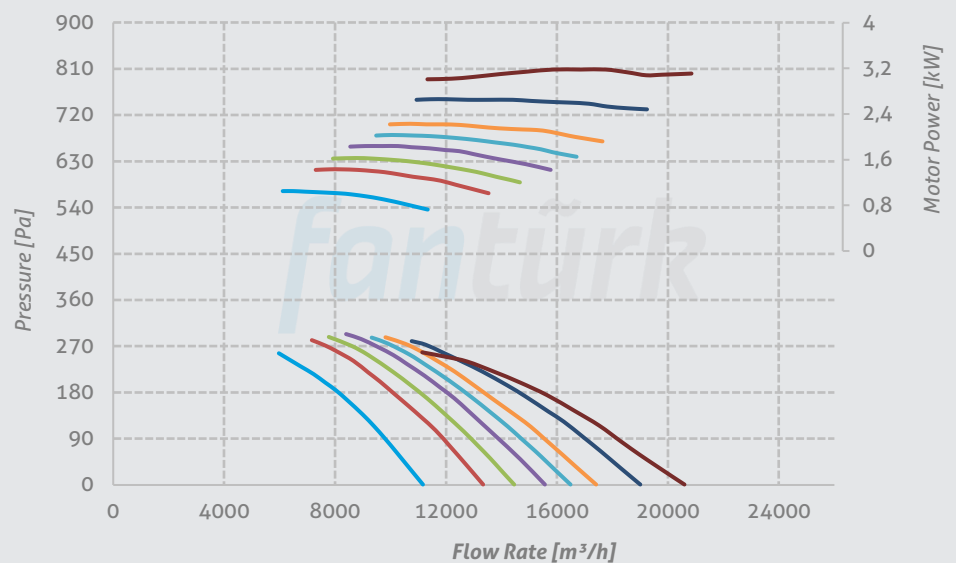
25° 30°
32,5° 35°



P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 8
Hub Size 8
Nos. of Poles 4
Material Aluminum
Pitch Angle

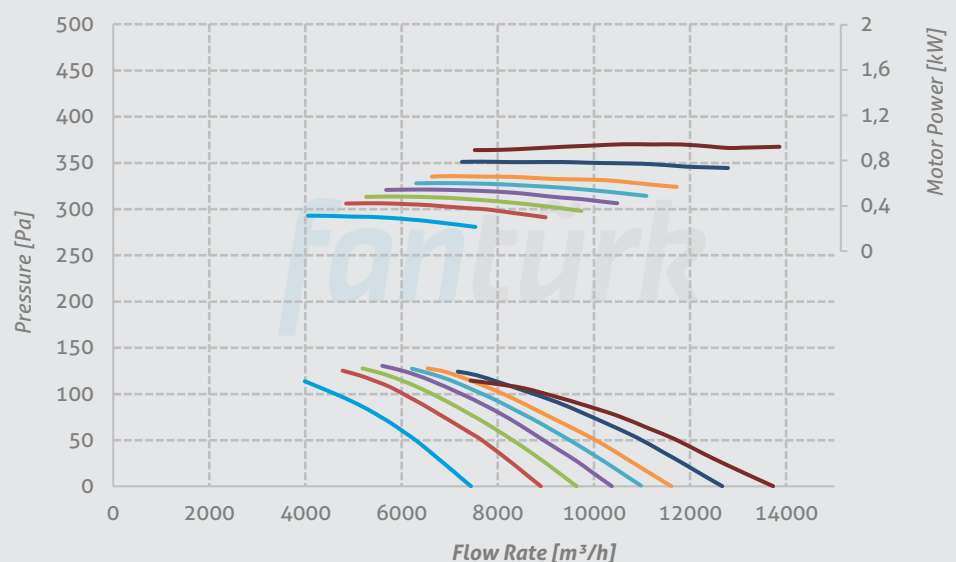
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35° 37,5° 40°
45° 50°



P-FWA 630 Y-FWA 630 H-FWA 630 Ç-FWA 630

Nos. of Blades 8
Hub Size 8
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

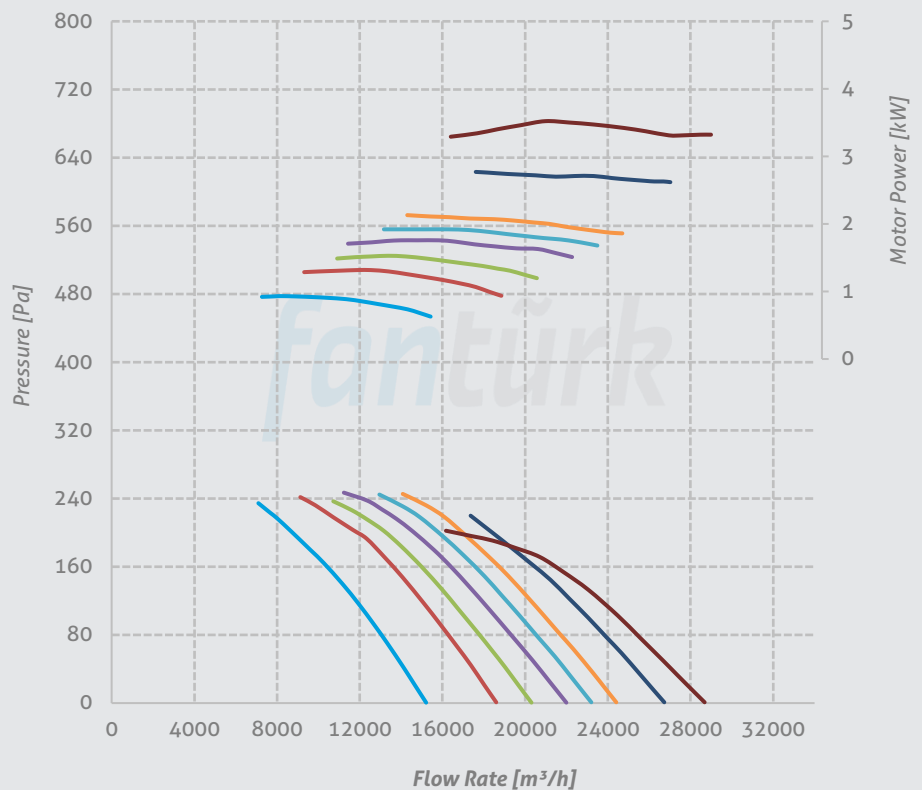


Performance Curves

P-FWA 710 Y-FWA 710 H-FWA 710 Ç-FWA 710

Nos. of Blades 5
Hub Size 5
Nos. of Poles 4
Material Aluminum
Pitch Angle

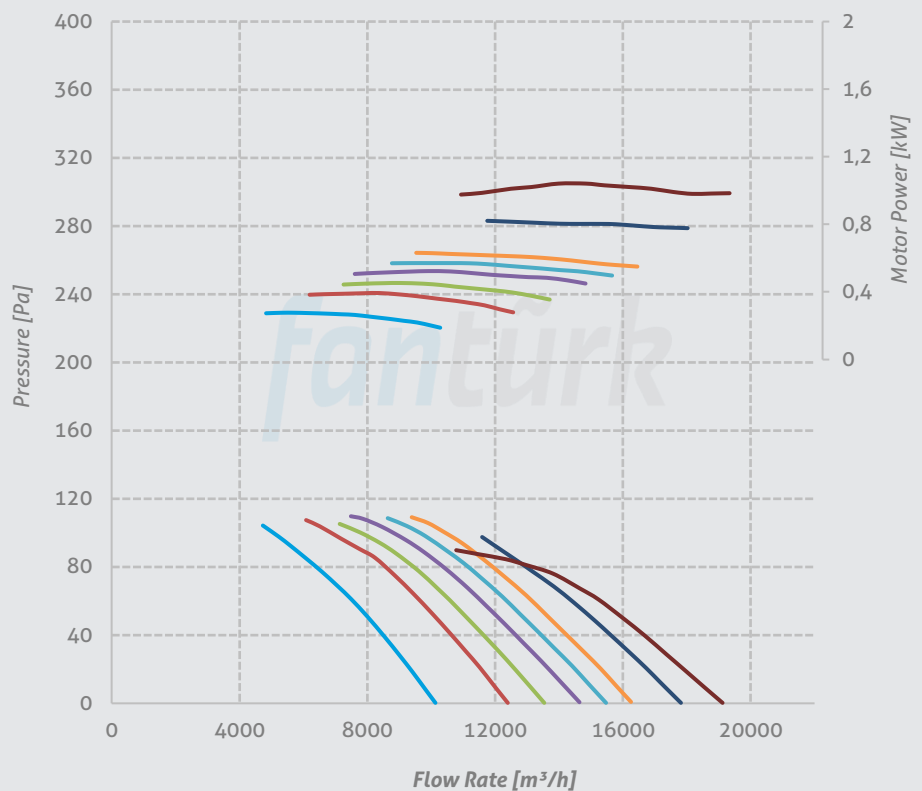
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45° 50°



P-FWA 710 Y-FWA 710 H-FWA 710 Ç-FWA 710

Nos. of Blades 5
Hub Size 5
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

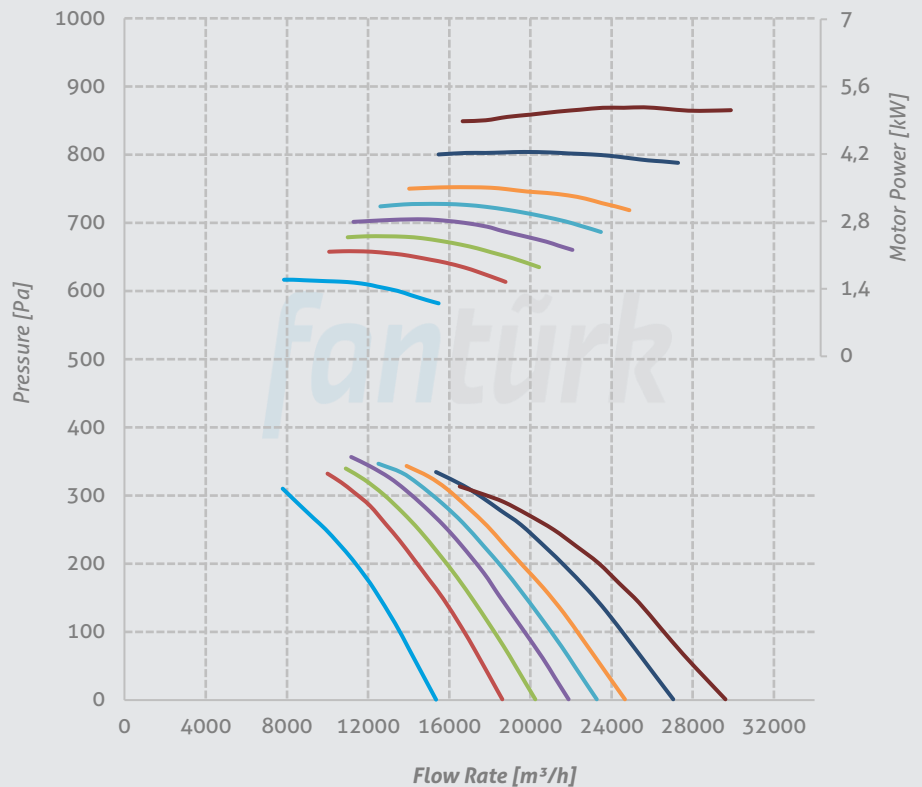


Performance Curves

P-FWA 710 Y-FWA 710 H-FWA 710 Ç-FWA 710

Nos. of Blades 8
Hub Size 8
Nos. of Poles 4
Material Aluminum
Pitch Angle

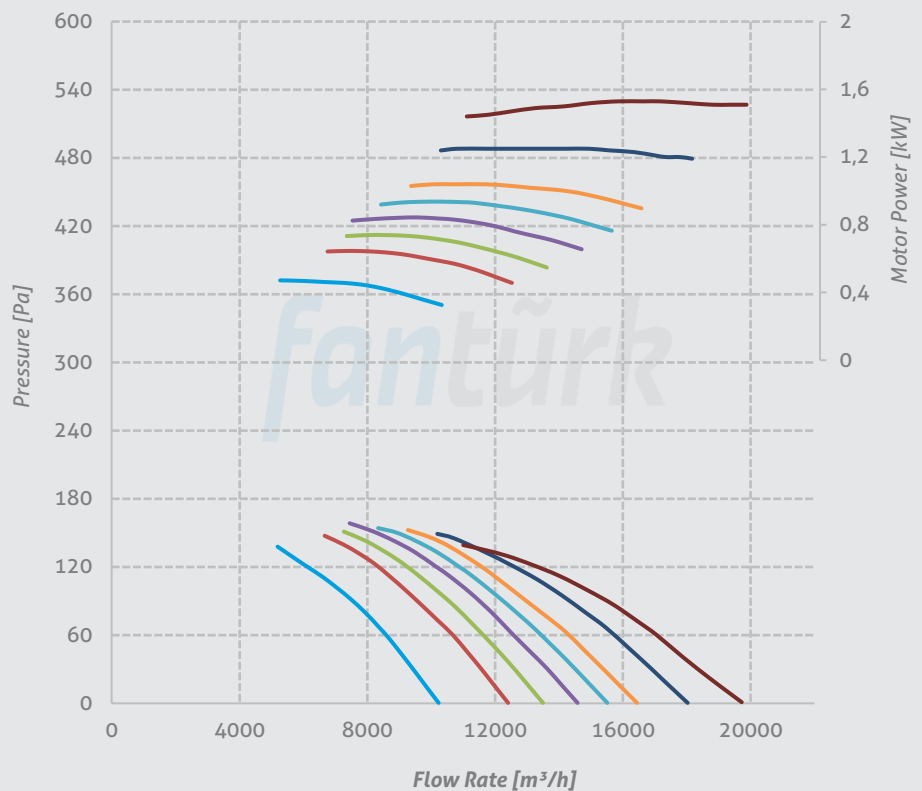
25° 30° 32,5°
35° 37,5° 40°
45° 50°



P-FWA 710 Y-FWA 710 H-FWA 710 Ç-FWA 710

Nos. of Blades 8
Hub Size 8
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

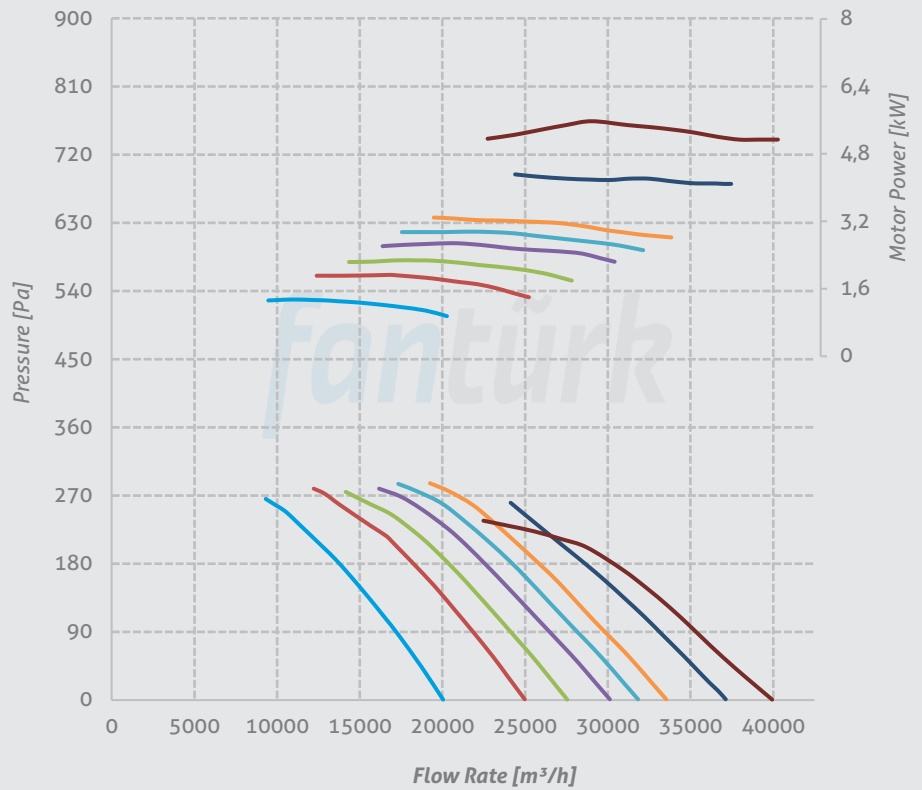


Performance Curves

P-FWA 800 Y-FWA 800 H-FWA 800 Ç-FWA 800

Nos. of Blades 5
Hub Size 5
Nos. of Poles 4
Material Aluminum
Pitch Angle

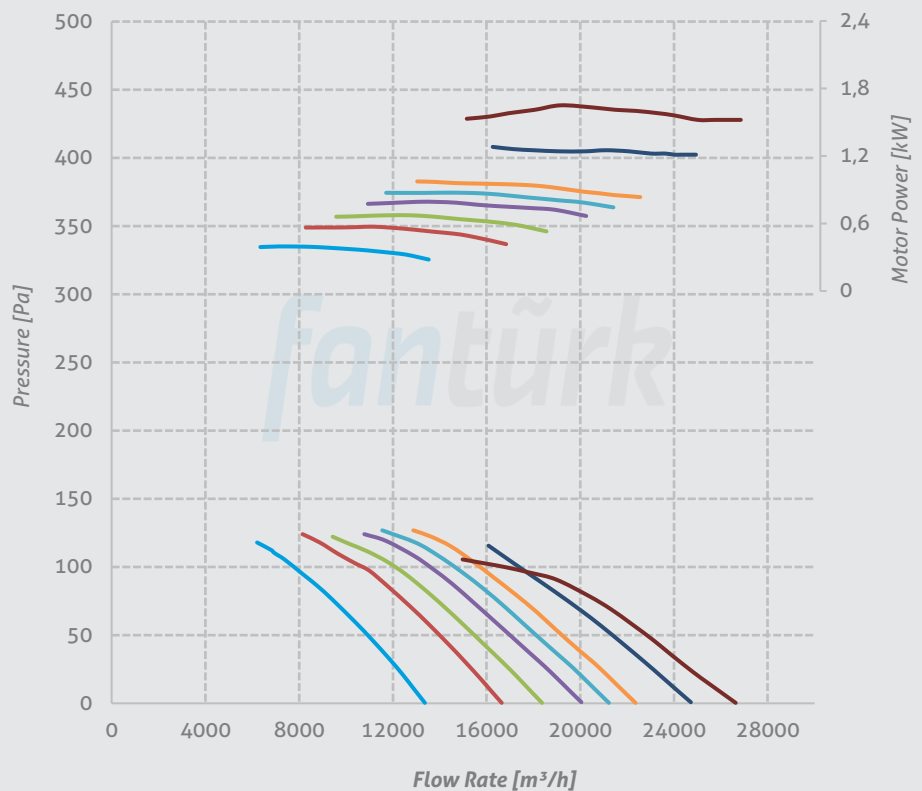
25° 30° 32,5°
35° 37,5° 40°
45° 50°



P-FWA 800 Y-FWA 800 H-FWA 800 Ç-FWA 800

Nos. of Blades 5
Hub Size 5
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

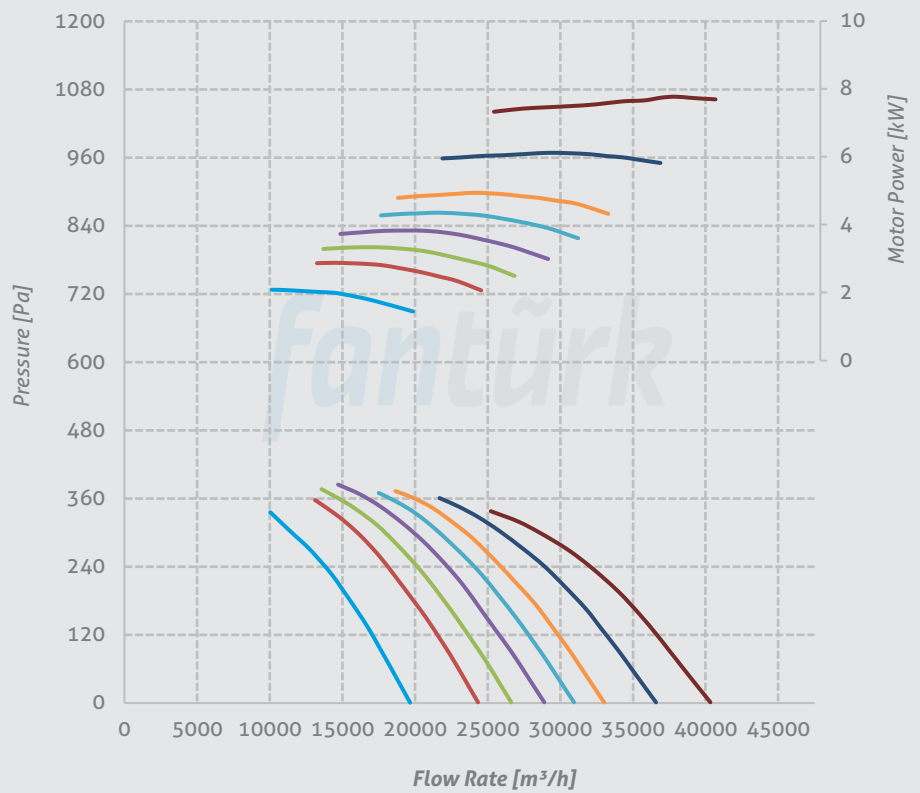


Performance Curves

P-FWA 800 Y-FWA 800 H-FWA 800 Ç-FWA 800

Nos. of Blades 8
Hub Size 8
Nos. of Poles 4
Material Aluminum
Pitch Angle

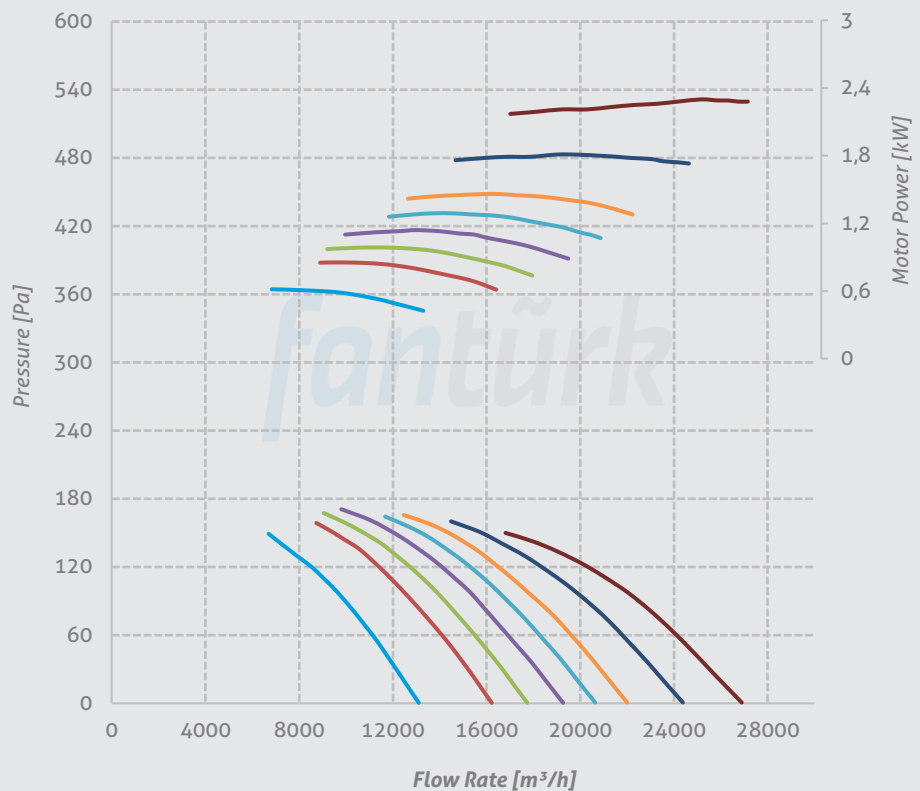
25° 30° 32,5°
35° 37,5° 40°
45° 50°



P-FWA 800 Y-FWA 800 H-FWA 800 Ç-FWA 800

Nos. of Blades 8
Hub Size 8
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°

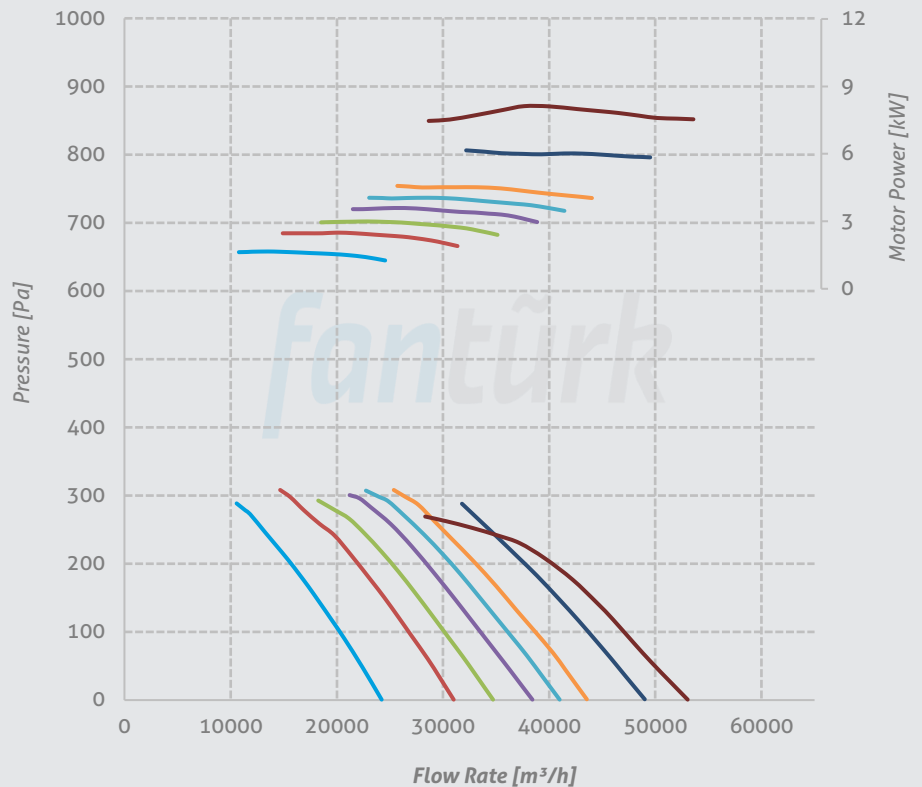


Performance Curves

P-FWA 900
Y-FWA 900
H-FWA 900
Ç-FWA 900

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 4
 Material Aluminum
 Pitch Angle

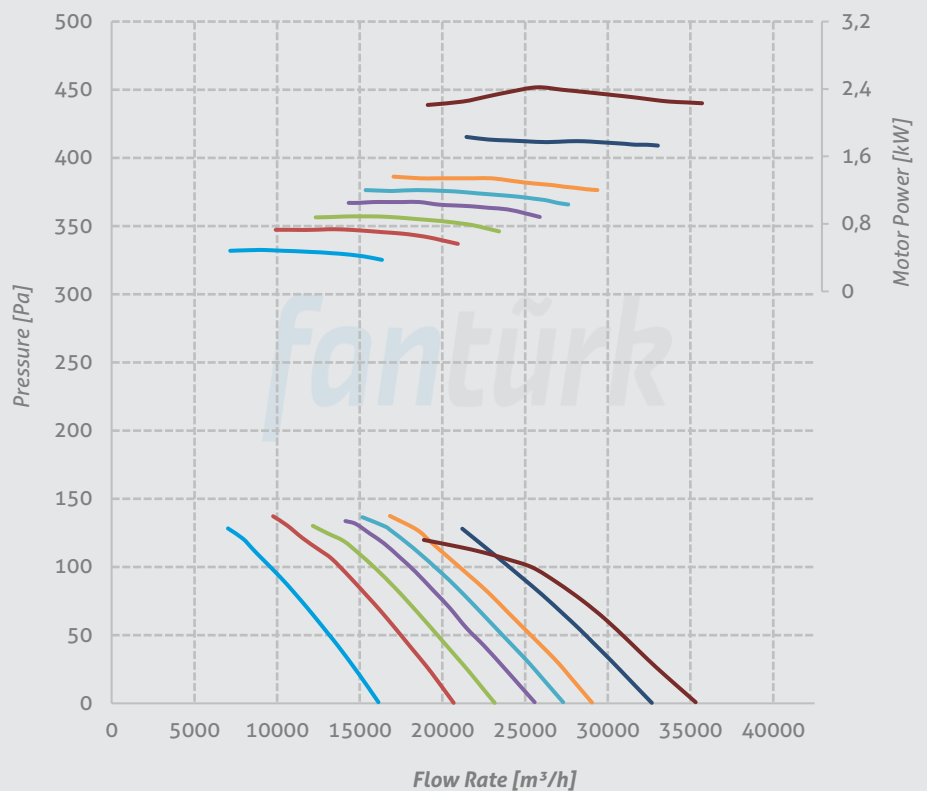
25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 900
Y-FWA 900
H-FWA 900
Ç-FWA 900

Nos. of Blades 5
 Hub Size 5
 Nos. of Poles 6
 Material Aluminum
 Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°

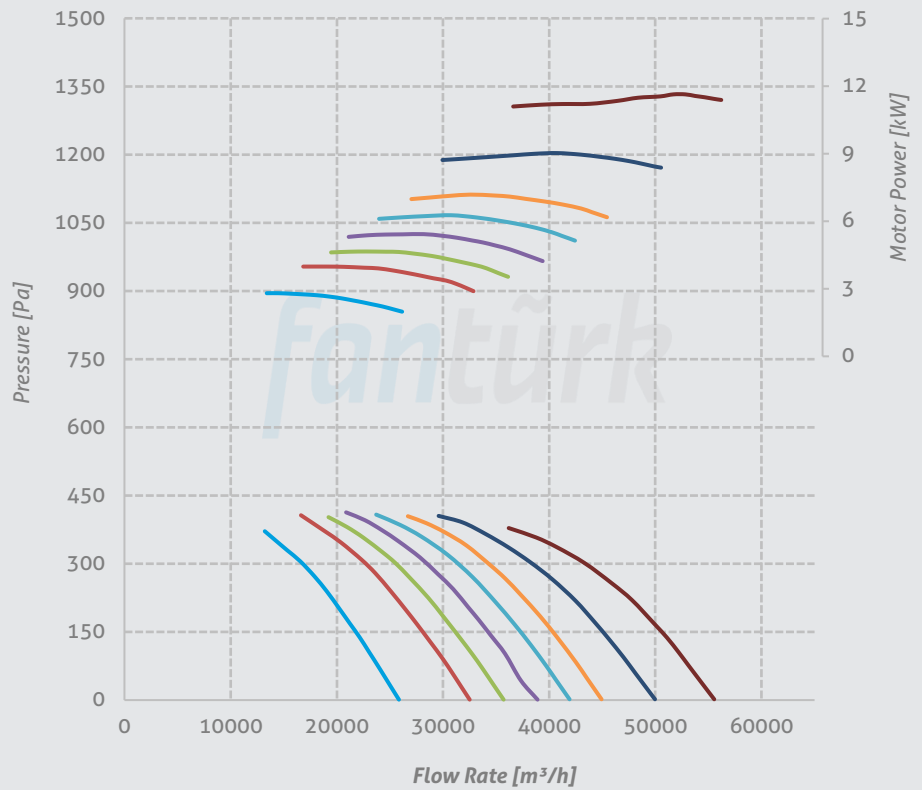


Performance Curves

P-FWA 900 Y-FWA 900 H-FWA 900 Ç-FWA 900

Nos. of Blades 8
Hub Size 8
Nos. of Poles 4
Material Aluminum
Pitch Angle

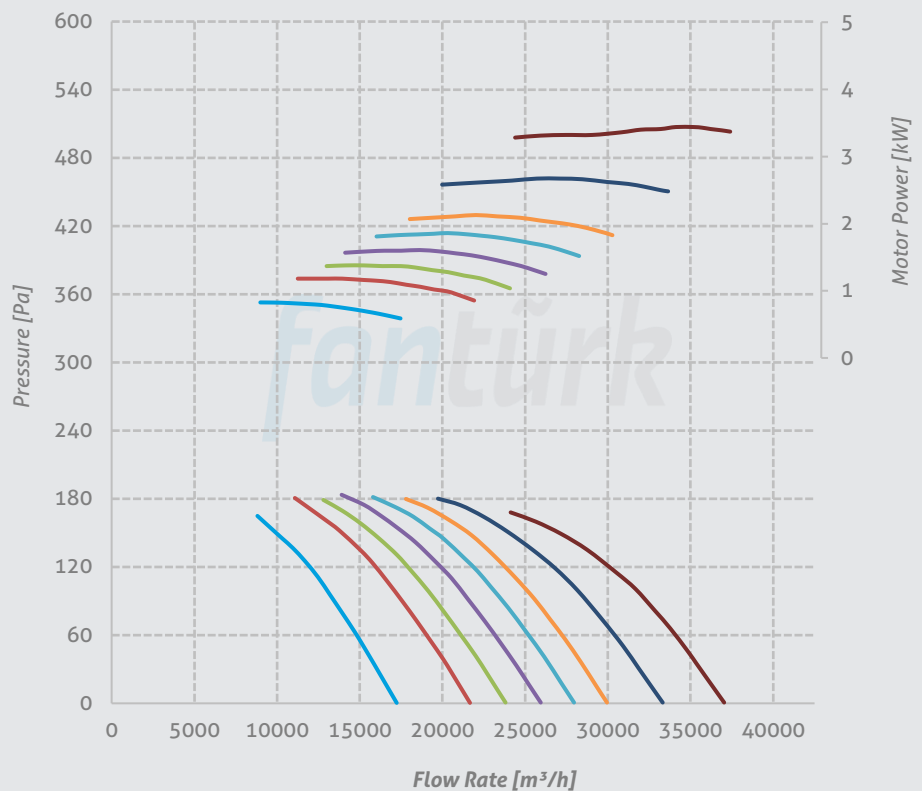
25° 30° 32,5°
35° 37,5° 40°
45° 50°



P-FWA 900 Y-FWA 900 H-FWA 900 Ç-FWA 900

Nos. of Blades 8
Hub Size 8
Nos. of Poles 6
Material Aluminum
Pitch Angle

25° 30° 32,5°
35° 37,5° 40°
45° 50°



Performance Curves

P-FWA 1000
Y-FWA 1000
H-FWA 1000
Ç-FWA 1000

Nos. of Blades 5

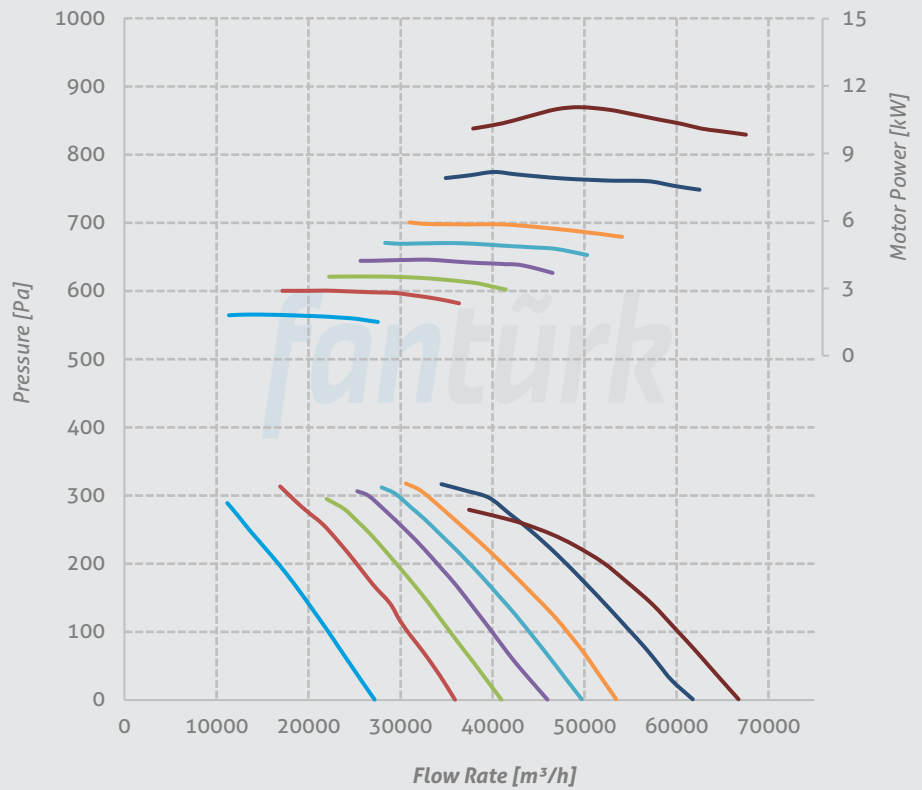
Hub Size 5

Nos. of Poles 4

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 1000
Y-FWA 1000
H-FWA 1000
Ç-FWA 1000

Nos. of Blades 5

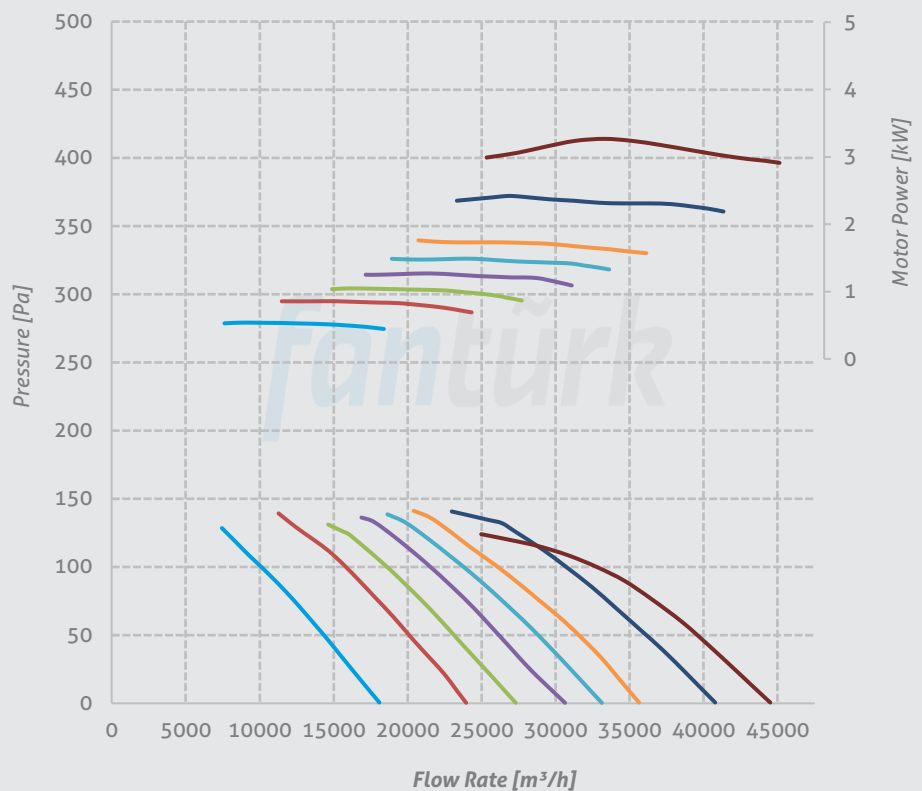
Hub Size 5

Nos. of Poles 6

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



Performance Curves

P-FWA 1000
Y-FWA 1000
H-FWA 1000
Ç-FWA 1000

Nos. of Blades 8

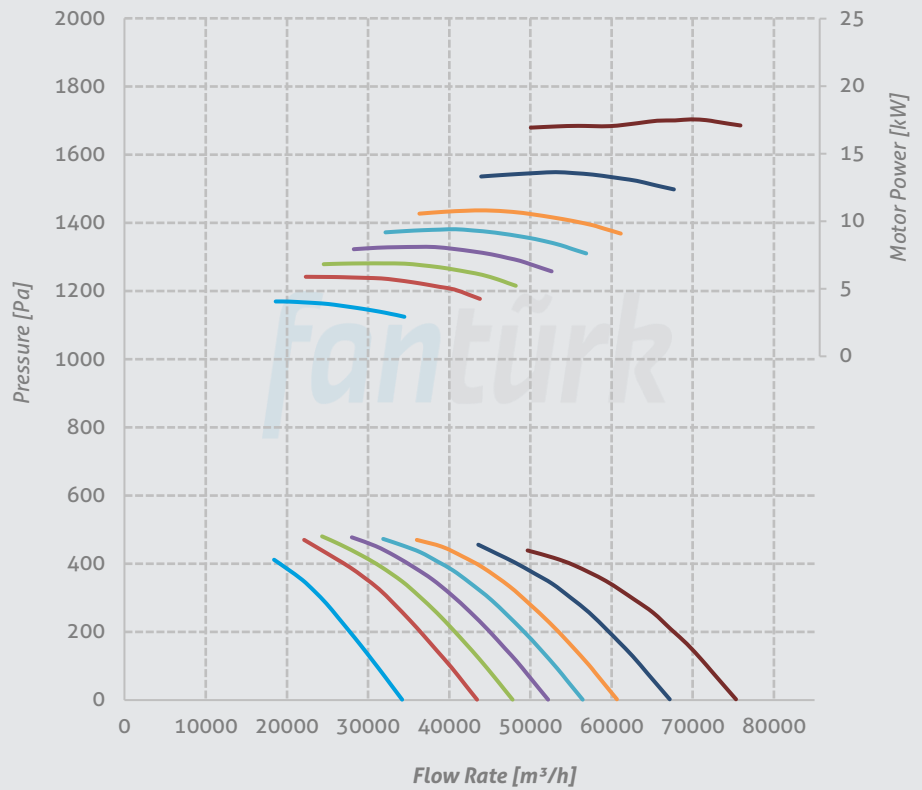
Hub Size 8

Nos. of Poles 4

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 1000
Y-FWA 1000
H-FWA 1000
Ç-FWA 1000

Nos. of Blades 8

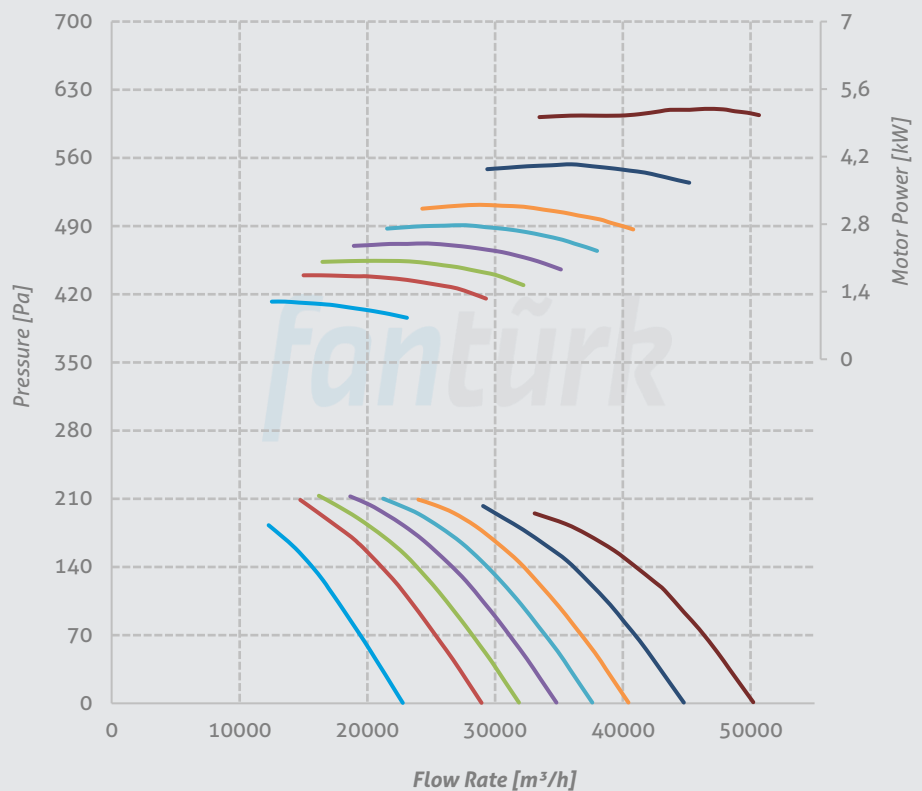
Hub Size 8

Nos. of Poles 6

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



Performance Curves

P-FWA 1120
Y-FWA 1120
H-FWA 1120
Ç-FWA 1120

Nos. of Blades 8

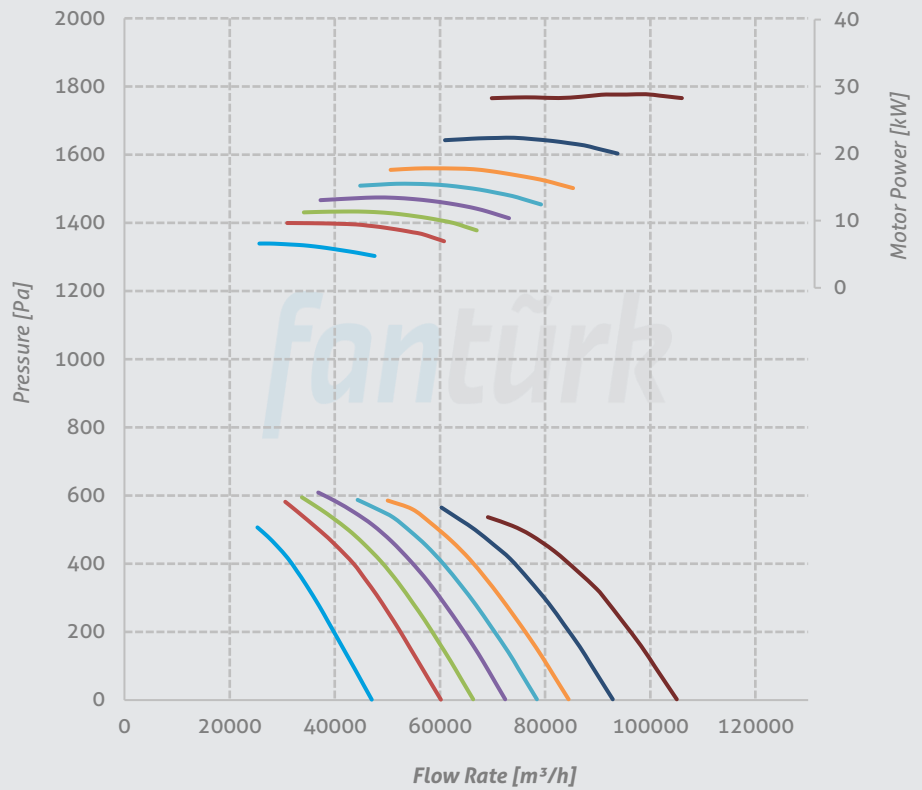
Hub Size 8

Nos. of Poles 4

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 1120
Y-FWA 1120
H-FWA 1120
Ç-FWA 1120

Nos. of Blades 8

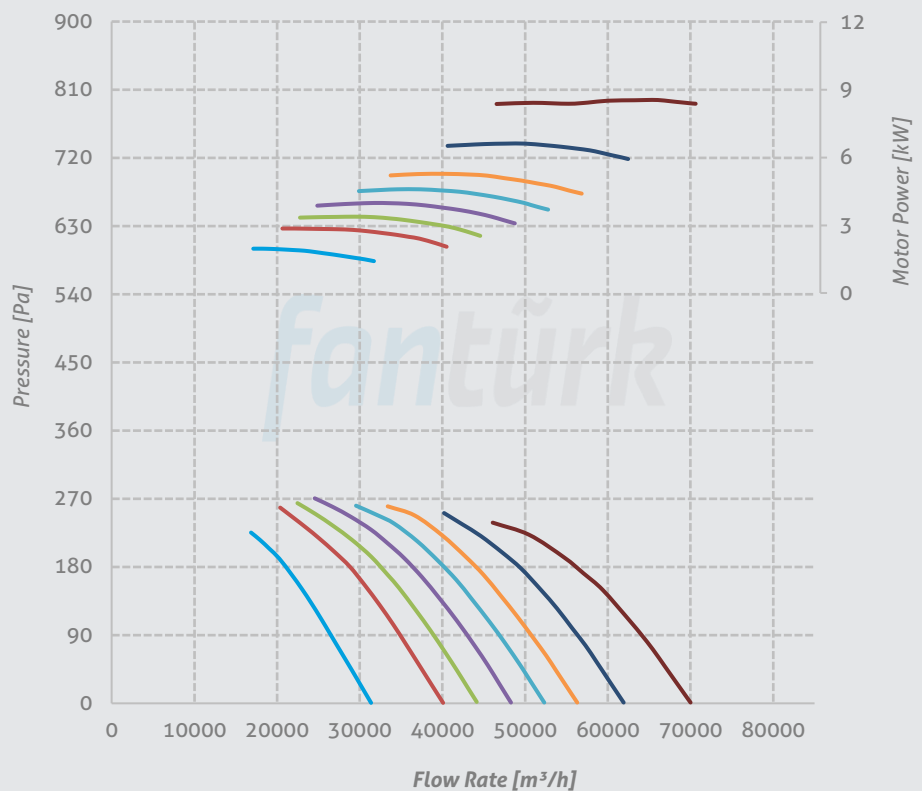
Hub Size 8

Nos. of Poles 6

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



Performance Curves

P-FWA 1120
Y-FWA 1120
H-FWA 1120
Ç-FWA 1120

Nos. of Blades 12

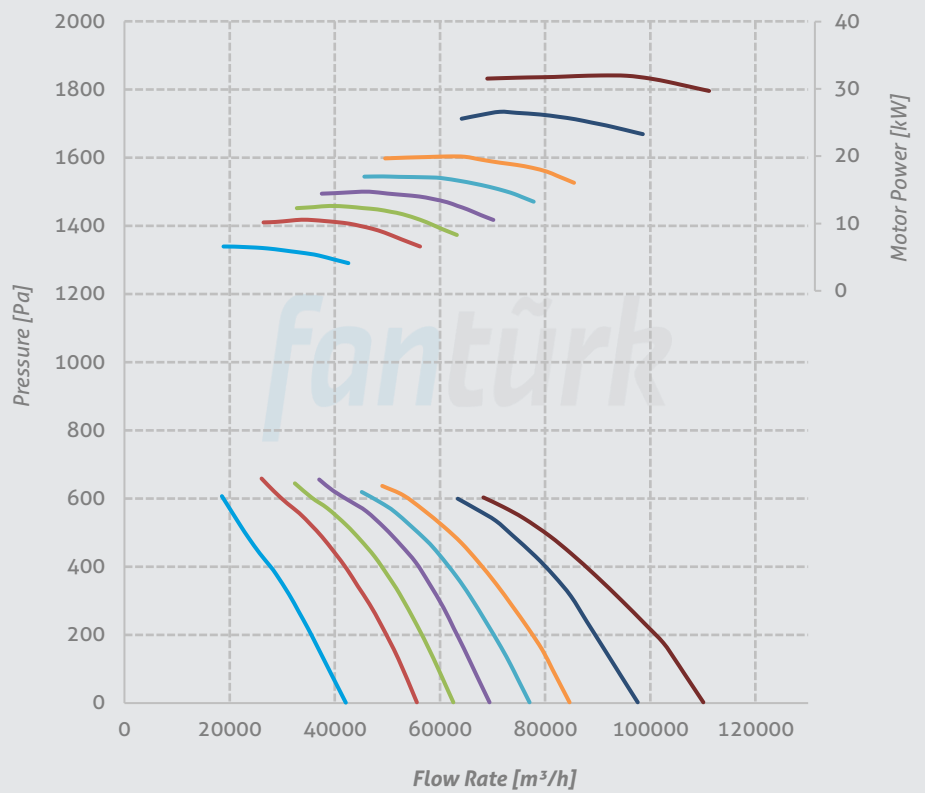
Hub Size 12

Nos. of Poles 4

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 1120
Y-FWA 1120
H-FWA 1120
Ç-FWA 1120

Nos. of Blades 12

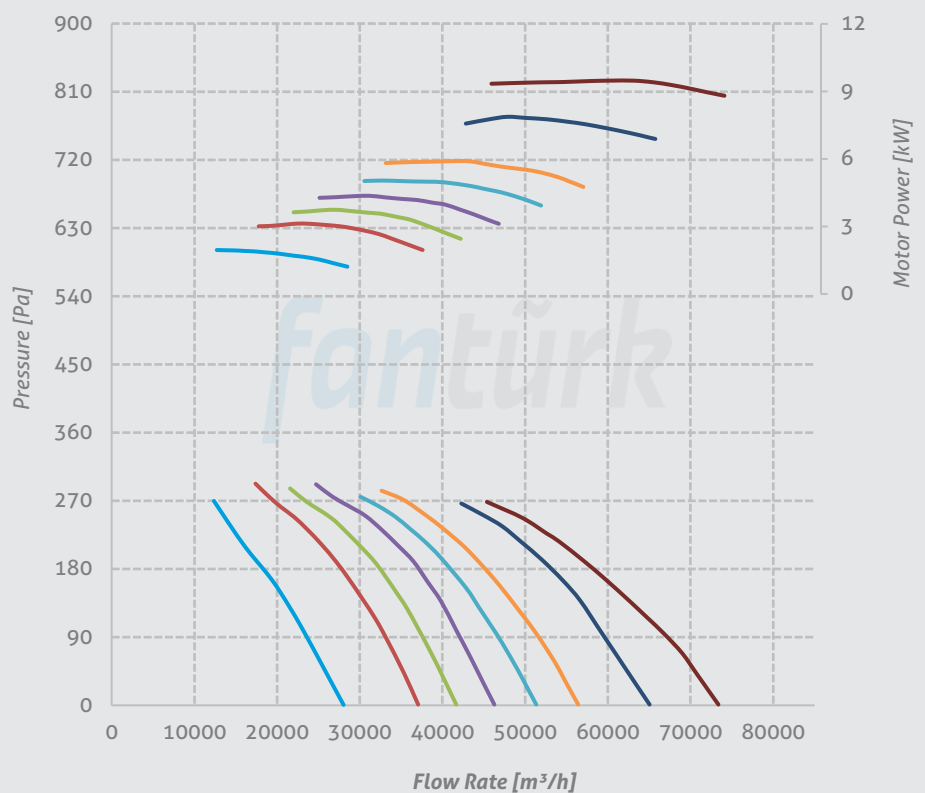
Hub Size 12

Nos. of Poles 6

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



Performance Curves

P-FWA 1250 Y-FWA 1250 H-FWA 1250 Ç-FWA 1250

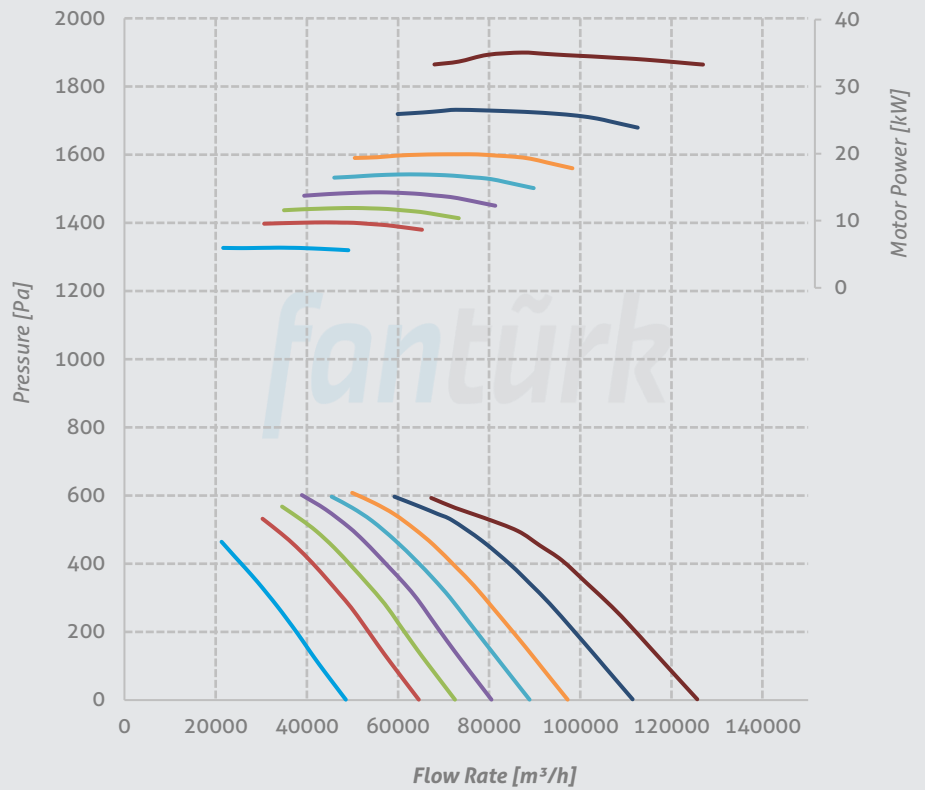
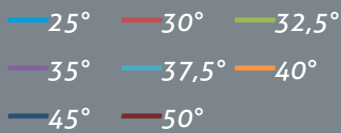
Nos. of Blades 8

Hub Size 16

Nos. of Poles 4

Material Aluminum

Pitch Angle



P-FWA 1250 Y-FWA 1250 H-FWA 1250 Ç-FWA 1250

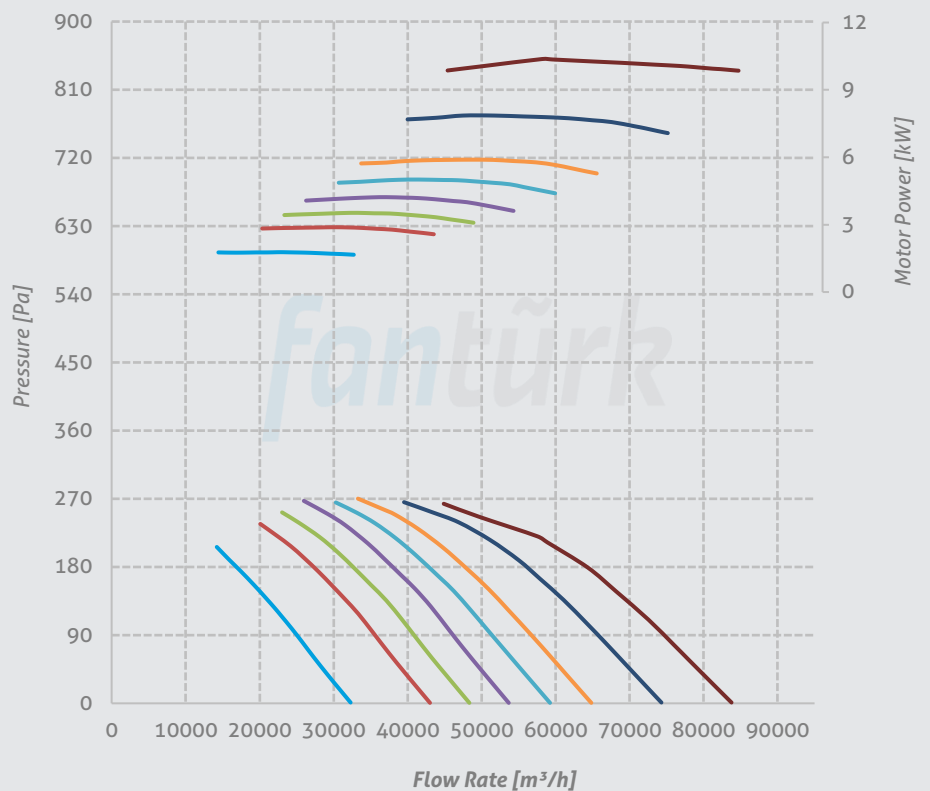
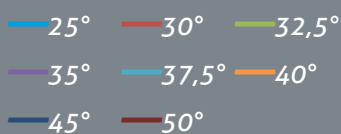
Nos. of Blades 8

Hub Size 16

Nos. of Poles 6

Material Aluminum

Pitch Angle



Performance Curves

P-FWA 1250
Y-FWA 1250
H-FWA 1250
Ç-FWA 1250

Nos. of Blades 12

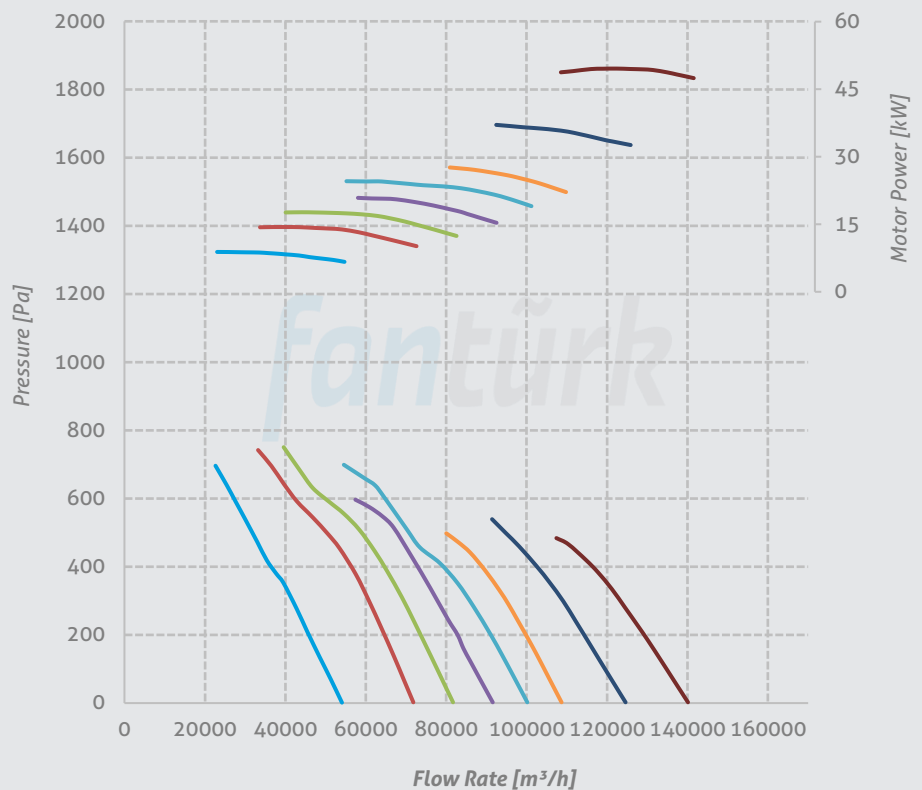
Hub Size 16

Nos. of Poles 4

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



P-FWA 1250
Y-FWA 1250
H-FWA 1250
Ç-FWA 1250

Nos. of Blades 12

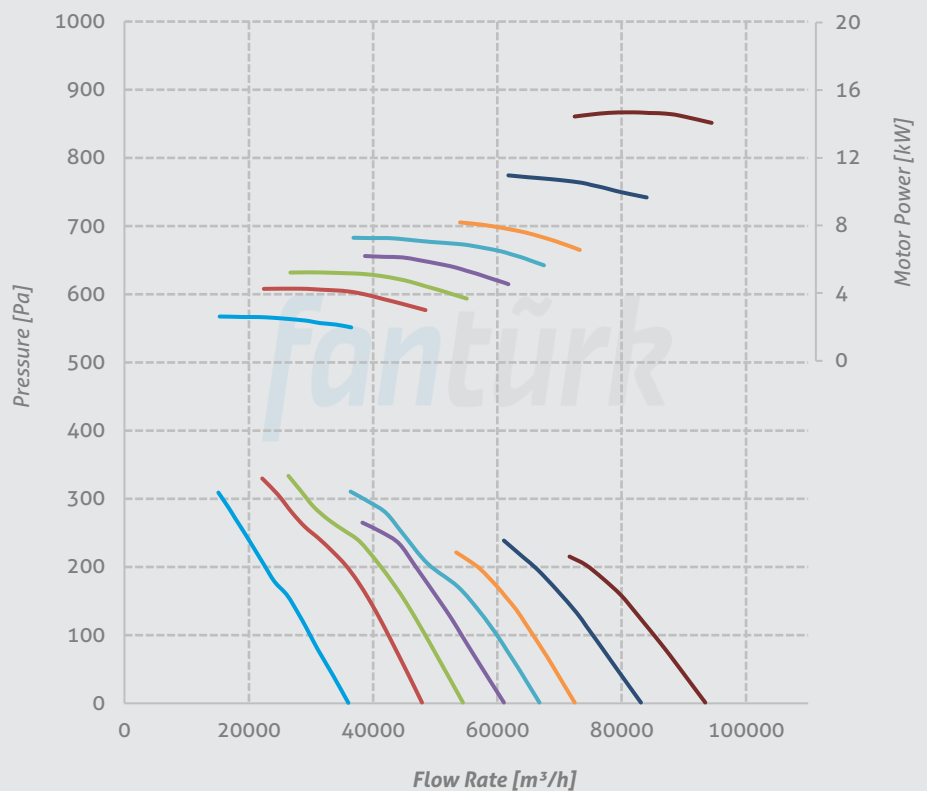
Hub Size 16

Nos. of Poles 6

Material Aluminum

Pitch Angle

25° 30° 32,5°
 35° 37,5° 40°
 45° 50°



Performance Curves

P-FWA 1250 Y-FWA 1250 H-FWA 1250 Ç-FWA 1250

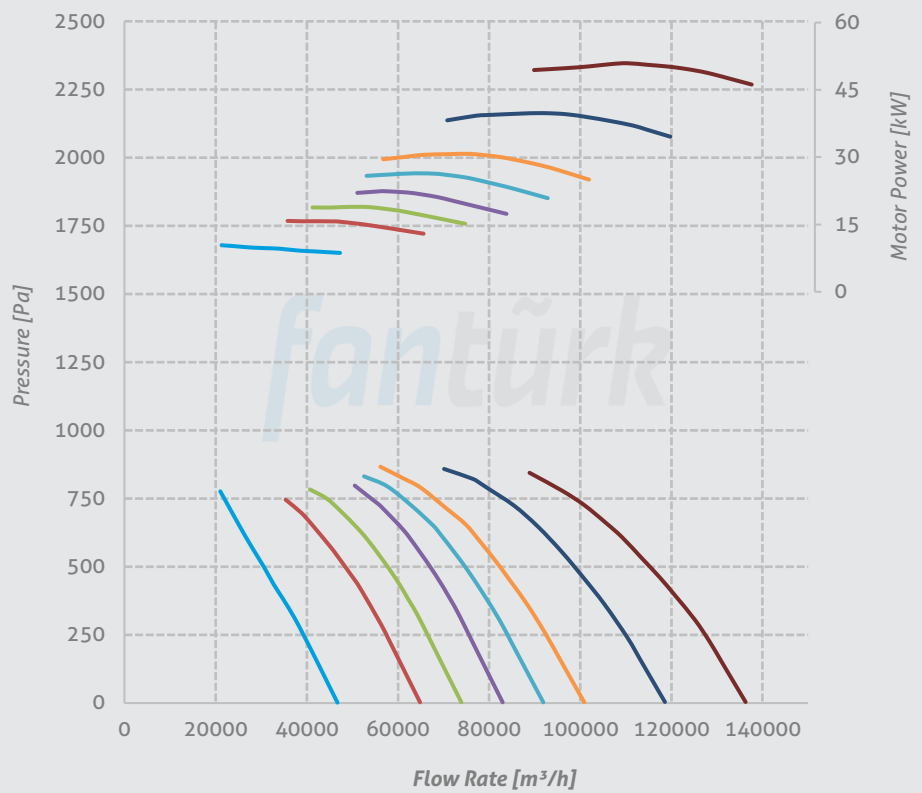
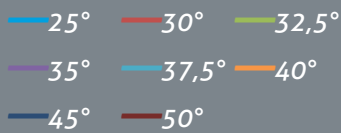
Nos. of Blades 16

Hub Size 16

Nos. of Poles 4

Material Aluminum

Pitch Angle



P-FWA 1250 Y-FWA 1250 H-FWA 1250 Ç-FWA 1250

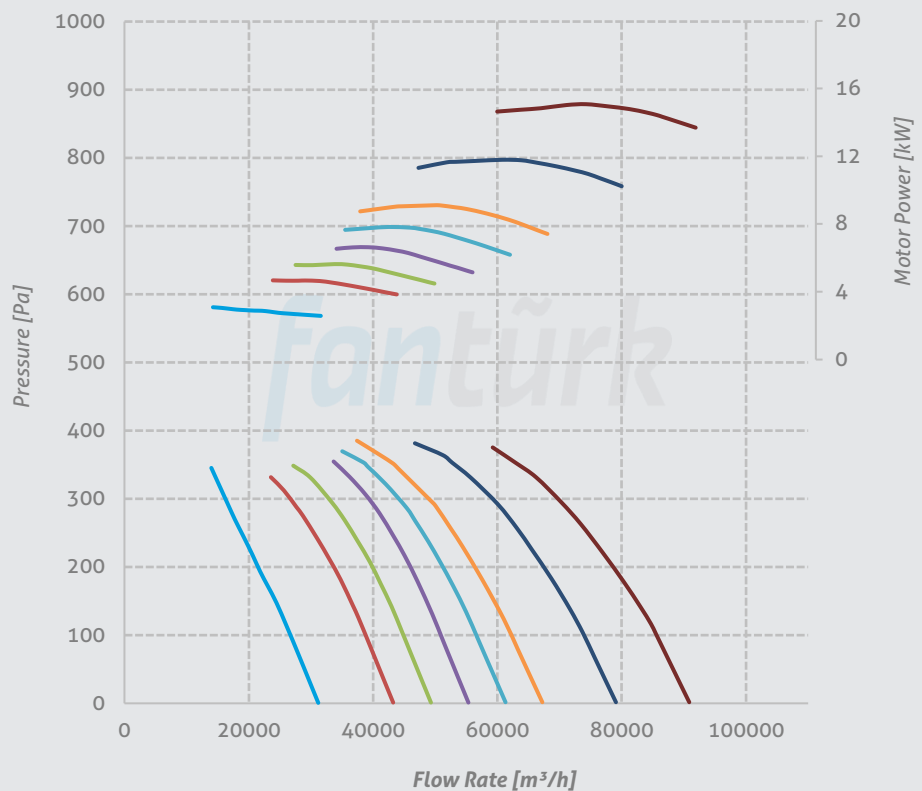
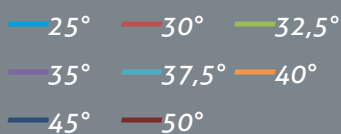
Nos. of Blades 16

Hub Size 16

Nos. of Poles 6

Material Aluminum

Pitch Angle



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Factory: Pamucak OSB Mah. 2. Cadde No: 14 Pazaryeri/Bilecik Türkiye

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