NEXPOWER
INFRA PVT. LTD.

BLADE SELECTION CHART 2026–27

Which blade fits which motor.

Cooler fan blade size, leaves, sweep and rotation for every cooler motor: 89 Dia, 100 Dia, 110 Dia, E-Frame, H-Frame, kit and exhaust motors. 73 blades, 9 inch to 30 inch.

ISO 9001:2015 Certified company

Startup India DPIIT recognised

Manufacturer OEM and dealer supply

Faridabad Haryana, India

कौन सी कूलर मोटर में कौन सा ब्लेड (पंखा) लगेगा, कितने इंच का और कितनी पत्ती का: पूरी जानकारी इस चार्ट में।

How to read a blade size

A cooler blade is written as **size × leaves**. 18×3 is an 18 inch blade with 3 leaves; 16×5 is 16 inch with 5 leaves. Sweep is the diameter of the turning blade: 16 inch is about 380 to 400 mm, 18 inch about 440 to 450 mm, 20 inch about 470 to 510 mm.

The **bore** must match the motor shaft, the **rotation** must match the motor, and the **blade angle** must suit the stack. A steeper angle moves more air and loads the motor more.

Short forms

- **C/W**: clockwise blade. **A/C**: anticlockwise blade
- **PP**: polypropylene. **PP glass-filled**: stiffer, holds shape in heat
- **ABS**: smooth finish, good balance
- **With bush / without bush**: metal bush in the hub, or plain hub
- **6 sut** = 19 mm shaft, **1 inch** = 25 mm, **1¼ inch** = 32 mm

Blade chart by motor

Find your motor in the first column. The blades listed are the sizes that motor is built to carry.

Motor	Blade size	Suitable blades (reference code)
H-Frame 32 mm	18.5 / 20 inch	20 inch × 4 leaf Commercial 108° Angle ABS, anticlockwise (SP60); 20 inch × 4 leaf German PP, anticlockwise (SP62); 20 inch × 4 leaf German PP glass-filled, anticlockwise (SP62); 18.5 inch × 4 leaf Commercial German without Bush (SP84)
H-Frame 35 mm	20 inch	20 inch × 4 leaf Commercial 112° Angle PP glass-filled, anticlockwise (SP58)
H-Frame 38 mm	20 inch	20 inch × 4 leaf Commercial 120° Angle PP glass-filled, anticlockwise (SP59); 20 inch × 4 leaf Commercial German without Bush (SP85)
H-Frame 41 mm	22 inch	22 inch × 4 leaf German PP glass-filled, anticlockwise (SP65); 22 inch × 4 leaf German ABS, anticlockwise (SP65)
H-Frame 44 mm	23 inch	23 inch × 4 leaf German PP glass-filled, anticlockwise (SP69)
H-Frame 51 mm	24 inch	24 inch × 4 leaf German PP glass-filled, anticlockwise (SP68)
H-Frame 61 mm	26 inch	26 inch × 4 leaf Commercial German without Bush (SP86)

Motor	Blade size	Suitable blades (reference code)
H-Frame 65 mm	30 inch	30 inch × 3 leaf Commercial PP glass-filled, anticlockwise (SP57); 30 inch × 4 leaf Commercial PP glass-filled, anticlockwise (SP70); 30 inch × 5 leaf Commercial PP glass-filled, anticlockwise (SP79)
E-Frame 32 mm	17 / 17.5 inch	17 inch × 4 leaf Commercial 102° Angle ABS, anticlockwise (SP63); 17.5 inch × 4 leaf German PP glass-filled, anticlockwise (SP74)
E-Frame 35 mm	17 / 18.5 inch	17 inch × 4 leaf Commercial 115° Angle PP glass-filled, anticlockwise (SP61); 18.5 inch × 4 leaf Commercial Low Angle ABS, anticlockwise (SP73)
110 Dia 19 mm	16 / 18 inch	16 inch × 5 leaf ND (SP04); 18 inch × 3 leaf (SP11)
110 Dia 19 mm (low speed)	12 inch	12 inch × 4 leaf Commercial PP glass-filled, anticlockwise (SP71)
110 Dia 25 mm	15 / 16 / 18 / 20 inch	18 inch × 5 leaf ND (SP06); 20 inch × 5 leaf HV (SP07); 18 inch × 3 leaf Normal (SP12); 16 inch × 5 leaf FLAT Blade (SP22); 15 inch × 6 leaf Tower (SP30); 15 inch × 6 leaf Tower, anticlockwise (SP47)
110 Dia 28 mm	15 / 16 / 18 inch	18 inch × 5 leaf HV (SP05); 16 inch × 4 leaf Climatizer, clockwise (SP18); 16 inch × 4 leaf Climatizer, anticlockwise (SP19); 16 inch × 4 leaf H.S. (SP21); 18 inch × 5 leaf FLAT Blade (SP23); 16 inch × 6 leaf Tower (SP31); 18 inch × 3 leaf wide leaf (SP36); 15 inch × 4 leaf Curve Model, clockwise (SP49); 15 inch × 4 leaf Curve Model, anticlockwise (SP49B); 16 inch × 5 leaf Advance Model ABS (SP51); 16 inch × 5 leaf Advance Model glass-filled (SP51); 15 inch × 4 leaf Commercial German without Bush (SP81)
110 Dia 32 mm	15 / 16 / 17 / 18 / 20 inch	18 inch × 3 leaf Silencer (SP17); 18 inch × 4 leaf Climatizer, clockwise (SP20); 18 inch × 4 leaf Climatizer, anticlockwise (SP20B); 16 inch × 4 leaf THUNDER (36mm) (SP25); 18 inch × 4 leaf THUNDER (SP26); 18 inch × 6 leaf Tower (SP32); 20 inch × 3 leaf wide leaf (SP48); 17 inch × 4 leaf Curve Model, clockwise (SP50); 18 inch × 5 leaf Advance Model ABS (SP52); 15 inch × 4 leaf Exhaust, anticlockwise (SP55); 15 inch × 4 leaf Exhaust, clockwise (SP56); 16 inch × 4 leaf Exhaust PP, clockwise (SP64); 16 inch × 4 leaf German ABS, anticlockwise (SP66); 16 inch × 4 leaf German ABS, clockwise (SP67); 16 inch × 4 leaf Commercial German without Bush (SP82)
110 Dia 38 mm	17 / 17.5 / 18 inch	18 inch × 4 leaf Exhaust PP, anticlockwise (SP53); 18 inch × 4 leaf Exhaust PP glass-filled, anticlockwise (SP54); 17 inch × 4 leaf Commercial 102° Angle ABS, anticlockwise (SP63); 17.5 inch × 4 leaf German PP glass-filled, anticlockwise (SP74)
110 Dia 41 mm	17 inch	17 inch × 4 leaf Commercial 115° Angle PP glass-filled, anticlockwise (SP61)
100 Dia 22 mm	12 / 13 inch	12 inch × 3 leaf PP (SP10); 13 inch × 3 leaf Commercial ABS, clockwise (SP72)
89 Dia (all stacks)	9 inch	9 inch × 3 leaf High Speed Blade (SP27)
89 Dia 19 mm	11 inch	11 inch × 3 leaf High Speed Blade (SP29)
89 Dia 22 mm	12 / 16 inch	12 inch × 3 leaf High Speed Blade (SP28); 16 inch × 3 leaf H.S.F with bush (SP38); 16 inch × 3 leaf H.S.F without Bush (SP39)
89 Dia 1 inch (25 mm)	16 inch	16 inch × 3 leaf Wall (SP41)
89 Dia 1 inch (25 mm), CRC body	9 / 12 inch	9 inch × 3 leaf Silencer (SP13); 12 inch × 3 leaf High Speed Blade (SP28)
89 Dia 25 mm	11 inch	11 inch × 3 leaf Silencer (SP14)
89 Dia 1¼ inch (32 mm)	18 inch	18 inch × 3 leaf H.S.F with bush (SP40)
Kit motor 6 sut (19 mm)	9 / 12 inch	9 inch × 5 leaf (SP01); 12 inch × 5 leaf (SP02); 12 inch × 4 leaf A.P. (SP09)

Motor	Blade size	Suitable blades (reference code)
Kit motor 1 inch (25 mm)	16 / 20 inch	16 inch × 4 leaf H.S. (SP21); 20 inch × 3 leaf wide leaf (SP48)
High-speed motor	9 / 12 inch	9 inch × 5 leaf (SP01); 12 inch × 5 leaf (SP02); 12 inch × 4 leaf A.P. (SP09)
Exhaust motor 1¼ inch (32 mm)	18 inch	18 inch × 4 leaf Exhaust PP, anticlockwise (SP53); 18 inch × 4 leaf Exhaust PP glass-filled, anticlockwise (SP54)

Full blade list by series

Photo	Ref. code	Size	Sweep	Leaves	Type and material	Rotation	Fits motor
5-Leaf series							
	**SP01**	9 inch	230 mm	5	Standard	—	Kit motor 6 sut (19 mm), High-speed motor
	**SP02**	12 inch	300 mm	5	Standard	—	Kit motor 6 sut (19 mm), High-speed motor
	**SP04**	16 inch	400 mm	5	ND	—	110 Dia 19 mm
	**SP06**	18 inch	450 mm	5	ND	—	110 Dia 25 mm
	**SP05**	18 inch	450 mm	5	HV	—	110 Dia 28 mm
	**SP07**	20 inch	510 mm	5	HV	—	110 Dia 25 mm
Silencer series							
	**SP13**	9 inch	230 mm	3	Silencer	—	89 Dia 1 inch (25 mm), CRC body
	**SP14**	11 inch	280 mm	3	Silencer	—	89 Dia 25 mm
	**SP16**	16 inch	—	3	Silencer	—	—
	**SP17**	18 inch	450 mm	3	Silencer	—	110 Dia 32 mm
	**SP11**	18 inch	450 mm	3	Standard	—	110 Dia 19 mm
	**SP12**	18 inch	450 mm	3	Normal	—	110 Dia 25 mm
Climatizer series							
	**SP18**	16 inch	380 mm	4	Climatizer	Clockwise	110 Dia 28 mm
	**SP19**	16 inch	380 mm	4	Climatizer	Anticlockwise	110 Dia 28 mm
	**SP20**	18 inch	440 mm	4	Climatizer	Clockwise	110 Dia 32 mm

Photo	Ref. code	Size	Sweep	Leaves	Type and material	Rotation	Fits motor
	**SP20B**	18 inch	440 mm	4	Climatizer	Anticlockwise	110 Dia 32 mm
	**SP21**	16 inch	390 mm	4	H.S.	—	110 Dia 28 mm, Kit motor 1 inch (25 mm)
Flat series							
	**SP22**	16 inch	400 mm	5	FLAT Blade	—	110 Dia 25 mm
	**SP23**	18 inch	450 mm	5	FLAT Blade	—	110 Dia 28 mm
Thunder series							
	**SP25**	16 inch	390 mm	4	THUNDER (36mm)	—	110 Dia 32 mm
	**SP26**	18 inch	440 mm	4	THUNDER	—	110 Dia 32 mm
3-Leaf High Speed series							
	**SP27**	9 inch	230 mm	3	High Speed Blade	—	89 Dia (all stacks)
	**SP28**	12 inch	290 mm	3	High Speed Blade	—	89 Dia 22 mm
	**SP28**	12 inch	300 mm	3	High Speed Blade	—	89 Dia 1 inch (25 mm), CRC body
	**SP29**	11 inch	280 mm	3	High Speed Blade	—	89 Dia 19 mm
	**SP10**	12 inch	300 mm	3	PP	—	100 Dia 22 mm
	**SP72**	13 inch	320 mm	3	Commercial ABS	Clockwise	100 Dia 22 mm
Tower series							
	**SP30**	15 inch	350 mm	6	Tower	—	110 Dia 25 mm
	**SP31**	16 inch	380 mm	6	Tower	—	110 Dia 28 mm
	**SP32**	18 inch	430 mm	6	Tower	—	110 Dia 32 mm
	**SP47**	15 inch	350 mm	6	Tower	Anticlockwise	110 Dia 25 mm

Photo	Ref. code	Size	Sweep	Leaves	Type and material	Rotation	Fits motor
4-Leaf series							
	**SP09**	12 inch	280 mm	4	A.P.	—	Kit motor 6 sut (19 mm), High-speed motor
	**SP71**	12 inch	300 mm	4	Commercial PP glass-filled	Anticlockwise	110 Dia 19 mm (low speed)
3-Leaf Wide series							
	**SP36**	18 inch	450 mm	3	wide leaf	—	110 Dia 28 mm
	**SP48**	20 inch	510 mm	3	wide leaf	—	110 Dia 32 mm, Kit motor 1 inch (25 mm)
Bullet Fan series							
	**SP38**	16 inch	390 mm	3	H.S.F with bush	—	89 Dia 22 mm
	**SP39**	16 inch	390 mm	3	H.S.F without Bush	—	89 Dia 22 mm
	**SP40**	18 inch	440 mm	3	H.S.F with bush	—	89 Dia 1¼ inch (32 mm)
Curve Model series							
	**SP49**	15 inch	370 mm	4	Curve Model	Clockwise	110 Dia 28 mm
	**SP49B**	15 inch	370 mm	4	Curve Model	Anticlockwise	110 Dia 28 mm
	**SP50**	17 inch	420 mm	4	Curve Model	Clockwise	110 Dia 32 mm
Advance Model series							
	**SP51**	16 inch	400 mm	5	Advance Model ABS	—	110 Dia 28 mm
	**SP51**	16 inch	400 mm	5	Advance Model glass-filled	—	110 Dia 28 mm
	**SP52**	18 inch	440 mm	5	Advance Model ABS	—	110 Dia 32 mm
Exhaust Model series							
	**SP53**	18 inch	425 mm	4	Exhaust PP	Anticlockwise	Exhaust motor 1¼ inch (32 mm), 110 Dia 38 mm
	**SP54**	18 inch	425 mm	4	Exhaust PP glass-filled	Anticlockwise	Exhaust motor 1¼ inch (32 mm), 110 Dia 38 mm

Photo	Ref. code	Size	Sweep	Leaves	Type and material	Rotation	Fits motor
	**SP55**	15 inch	385 mm	4	Exhaust	Anticlockwise	110 Dia 32 mm
	**SP56**	15 inch	385 mm	4	Exhaust	Clockwise	110 Dia 32 mm
	**SP64**	16 inch	385 mm	4	Exhaust PP	Clockwise	110 Dia 32 mm
Wall Fan Model series							
	**SP41**	16 inch	390 mm	3	Wall	—	89 Dia 1 inch (25 mm)
Commercial Model series							
	**SP57**	30 inch	760 mm	3	Commercial PP glass-filled	Anticlockwise	H-Frame 65 mm
	**SP70**	30 inch	760 mm	4	Commercial PP glass-filled	Anticlockwise	H-Frame 65 mm
	**SP79**	30 inch	760 mm	5	Commercial PP glass-filled	Anticlockwise	H-Frame 65 mm
	**SP58**	20 inch	470 mm	4	Commercial 112° Angle PP glass-filled	Anticlockwise	H-Frame 35 mm
	**SP59**	20 inch	470 mm	4	Commercial 120° Angle PP glass-filled	Anticlockwise	H-Frame 38 mm
	**SP60**	20 inch	470 mm	4	Commercial 108° Angle ABS	Anticlockwise	H-Frame 32 mm
	**SP61**	17 inch	430 mm	4	Commercial 115° Angle PP glass-filled	Anticlockwise	110 Dia 41 mm, E-Frame 35 mm
	**SP63**	17 inch	430 mm	4	Commercial 102° Angle ABS	Anticlockwise	110 Dia 38 mm, E-Frame 32 mm
	**SP73**	18.5 inch	460 mm	4	Commercial Low Angle ABS	Anticlockwise	E-Frame 35 mm
German Model series							
	**SP62**	20 inch	470 mm	4	German PP	Anticlockwise	H-Frame 32 mm
	**SP62**	20 inch	470 mm	4	German PP glass-filled	Anticlockwise	H-Frame 32 mm
	**SP65**	22 inch	508 mm	4	German PP glass-filled	Anticlockwise	H-Frame 41 mm

Photo	Ref. code	Size	Sweep	Leaves	Type and material	Rotation	Fits motor
	**SP65**	22 inch	508 mm	4	German ABS	Anticlockwise	H-Frame 41 mm
	**SP68**	24 inch	560 mm	4	German PP glass-filled	Anticlockwise	H-Frame 51 mm
	**SP69**	23 inch	570 mm	4	German PP glass-filled	Anticlockwise	H-Frame 44 mm
	**SP66**	16 inch	400 mm	4	German ABS	Anticlockwise	110 Dia 32 mm
	**SP67**	16 inch	400 mm	4	German ABS	Clockwise	110 Dia 32 mm
	**SP74**	17.5 inch	438 mm	4	German PP glass-filled	Anticlockwise	110 Dia 38 mm, E-Frame 32 mm
German Model Without Bush series							
	**SP81**	15 inch	380 mm	4	Commercial German without Bush	—	110 Dia 28 mm
	**SP82**	16 inch	400 mm	4	Commercial German without Bush	—	110 Dia 32 mm
	**SP84**	18.5 inch	—	4	Commercial German without Bush	—	H-Frame 32 mm
	**SP85**	20 inch	—	4	Commercial German without Bush	—	H-Frame 38 mm
	**SP86**	26 inch	610 mm	4	Commercial German without Bush	—	H-Frame 61 mm

Blades and blade photos: Speedo fan blades, supplied by NEXPOWER with its motors as a Speedo dealer. Speedo is the brand of its owner. Rates on request.

Five checks before you fit a blade

1. **Shaft and bore.** Measure the shaft: 19, 22, 25 or 32 mm. A loose bore wobbles and wears the bush.
2. **Rotation.** Check the arrow on the motor label. A clockwise blade on an anticlockwise motor gives almost no air.
3. **Stack for the size.** As the blade grows, the stack must grow: 110 Dia 19 mm for light 16 inch blades, 28 mm for 16 to 18 inch, 32 mm for heavy 18 inch, H-Frame for 20 inch and above.
4. **Current under load.** With pads wet and the cooler closed, the running current must stay within the nameplate amperes.
5. **Balance.** Spin the blade by hand. If it always stops at the same point it is out of balance and will damage the bearing or bush.

Free technical help. Not sure which blade suits your cooler and motor? Call or WhatsApp our Technical Head on +91 90154 04168. Live stock and dealer rates: www.nexpowerinfra.com

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