

TECHNICAL SPECIFICATION

24 FEET ECOPMSM HVLS FAN

ecoair®



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM7E

FAN DIAMETER (FT)	24
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 55
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	1.5
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	SCHNEIDER
SPEED (RPM)	52
AIR FLOW (CFM)	3,78000
COVERAGE AREA (SQ FT)	16900
STATIC WEIGHT (KG)	105
DYNAMIC WEIGHT (KG)	81
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V

SAFETY AND FEATURE'S

1. Primary and Secondary Safety Feature's for anti fall protection of all components of the fan.
2. The Safety GI wire rope's ensures secure attachment for the Blade, Extension Tube, providing maximum stability and durability in high-stress environments.
3. Compatible with the Building Management System, ensuring seamless integration and efficient control.
4. The real-time monitoring system offers instant insights for proactive management.
5. Capability of Communicating seamlessly via Modbus RTU 485.
6. Real-time control for instant ON/OFF.

NOTE:

1. Coverage area is based on fan max speed, which can be influence by ceiling height, airflow barriers, and the fans distance from floor.
2. Fan weight varies based on the extension rod length.
3. Specifications is based on updated 2025 model range.

ecoair®

TECHNICAL SPECIFICATION

20 FEET ECOPMSM HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM6E

FAN DIAMETER (FT)	20
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 55
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	1.5
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	SCHNEIDER
SPEED (RPM)	68
AIR FLOW (CFM)	2,88,000
COVERAGE AREA (SQ FT)	10,500
STATIC WEIGHT (KG)	99
DYNAMIC WEIGHT (KG)	75
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V

SAFETY AND FEATURE'S

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2. The Safety GI wire rope's ensures secure attachment for the Blade, Extension Tube, providing maximum stability and durability in high-stress environments.
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6. Real-time control for instant ON/OFF.

NOTE:

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TECHNICAL SPECIFICATION

16 FEET ECOPMSM HVLS FAN (3 PHASE)



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM5E

FAN DIAMETER (FT)	16
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 55
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	0.85
POWER LINE/VOLTAGE (V)	3 ϕ –415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	SCHNEIDER
SPEED (RPM)	72
AIR FLOW (CFM)	2,25,000
COVERAGE AREA (SQ FT)	9,000
STATIC WEIGHT (KG)	74
DYNAMIC WEIGHT (KG)	57
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V

SAFETY AND FEATURE'S

1. Primary and Secondary Safety Feature's for anti fall protection of all components of the fan.
2. The Safety GI wire rope's ensures secure attachment for the Blade, Extension Tube, providing maximum stability and durability in high-stress environments.
3. Compatible with the Building Management System, ensuring seamless integration and efficient control.
4. The real-time monitoring system offers instant insights for proactive management.
5. Capability of Communicating seamlessly via Modbus RTU 485.
6. Real-time control for instant ON/OFF.

NOTE:

1. Coverage area is based on fan max speed, which can be influence by ceiling height, airflow barriers, and the fans distance from floor.
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TECHNICAL SPECIFICATION

16 FEET ECOPMSM HVLS FAN (1 PHASE)



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM5E

FAN DIAMETER (FT)	16
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 54
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	0.75
POWER LINE/VOLTAGE (V)	1 ϕ – 230 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE TYPE	INTELLIGENT CONTROLLER
SPEED (RPM)	72
AIR FLOW (CFM)	2,25,000
COVERAGE AREA (SQ FT)	9,000
STATIC WEIGHT (KG)	74
DYNAMIC WEIGHT (KG)	57
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50

SAFETY AND FEATURE'S

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3. The real-time monitoring system offers instant insights for proactive management.
4. Real-time control for instant ON/OFF.

NOTE:

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3. Specifications is based on updated 2025 model range.



TECHNICAL SPECIFICATION

12 FEET ECOPMSM HVLS FAN

ecoair®



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM4E

FAN DIAMETER (FT)	12
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 54
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	0.4
POWER LINE/VOLTAGE (V)	1 ϕ /3 ϕ – (230 V/415 V)
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE TYPE	INTELLIGENT CONTROLLER
SPEED (RPM)	86
AIR FLOW (CFM)	130,000
COVERAGE AREA (SQ FT)	6,800
STATIC WEIGHT (KG)	54
DYNAMIC WEIGHT (KG)	40
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50

SAFETY AND FEATURE'S

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3. The real-time monitoring system offers instant insights for proactive management.
4. Real-time control for instant ON/OFF.

NOTE:

1. Coverage area is based on fan max speed, which can be influence by ceiling height, airflow barriers, and the fans distance from floor.
2. Fan weight varies based on the extension rod length.
3. Specifications is based on updated 2025 model range.

ecoair®

TECHNICAL SPECIFICATION

10 FEET ECOPMSM HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM3E

FAN DIAMETER (FT)	10
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 54
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	0.4
POWER LINE/VOLTAGE (V)	1 ϕ /3 ϕ – (230 V/415V)
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE TYPE	INTELLIGENT CONTROLLER
SPEED (RPM)	100
AIR FLOW (CFM)	99,000
COVERAGE AREA (SQ FT)	5,500
STATIC WEIGHT (KG)	49
DYNAMIC WEIGHT (KG)	36
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50

SAFETY AND FEATURE'S

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2. The Safety GI wire rope's ensures secure attachment for the Blade, Extension Tube, providing maximum stability and durability in high-stress environments.
3. The real-time monitoring system offers instant insights for proactive management.
4. Real-time control for instant ON/OFF.

NOTE:

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2. Fan weight varies based on the extension rod length.
3. Specifications is based on updated 2025 model range.



TECHNICAL SPECIFICATION

8 FEET ECOPMSM HVLS FAN

ecoair®



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EABPM2.4E

FAN DIAMETER (FT)	8
TYPE OF FAN	PMSM HVLS FAN
PROTECTION RATING	IP 54
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM HUB MOTOR
MOTOR MAKE	ECOAIR
POWER (KW)	0.4
POWER LINE/VOLTAGE (V)	1 ϕ /3 ϕ – (230 V/415 V)
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE TYPE	INTELLIGENT CONTROLLER
SPEED (RPM)	120
AIR FLOW (CFM)	87,000
COVERAGE AREA (SQ FT)	4,500
STATIC WEIGHT (KG)	44
DYNAMIC WEIGHT (KG)	34
SOUND LEVEL @ 3m BELOW FAN (dB)	< 50

SAFETY AND FEATURE'S

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