

TECHNICAL SPECIFICATION

24 FEET GEARED HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 7E

FAN DIAMETER (FT)	24
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE/ SEW/ NORD
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	1.5
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS/ SCNEIDER/ ABB
SPEED (RPM)	52
AIR FLOW (CFM)	3,78,000
COVERAGE AREA (SQ FT)	16,900
STATIC WEIGHT (KG)	131
DYNAMIC WEIGHT (KG)	105
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

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.



TECHNICAL SPECIFICATION

20 FEET GEARED HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 6E

FAN DIAMETER (FT)	20
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	1.5
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS
SPEED (RPM)	66
AIR FLOW (CFM)	2,88,000
COVERAGE AREA (SQ FT)	10,500
STATIC WEIGHT (KG)	122
DYNAMIC WEIGHT (KG)	97
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

SAFETY AND FEATURE'S

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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:

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TECHNICAL SPECIFICATION

16 FEET GEARED HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 5E

FAN DIAMETER (FT)	16
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	1.1
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS
SPEED (RPM)	72
AIR FLOW (CFM)	2,25,000
COVERAGE AREA (SQ FT)	9,000
STATIC WEIGHT (KG)	95
DYNAMIC WEIGHT (KG)	78
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

SAFETY AND FEATURE'S

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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

12 FEET GEARED HVLS FAN

ecocair®



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 4E

FAN DIAMETER (FT)	12
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	1.1
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS
SPEED (RPM)	85
AIR FLOW (CFM)	1,30,000
COVERAGE AREA (SQ FT)	6,800
STATIC WEIGHT (KG)	85
DYNAMIC WEIGHT (KG)	69
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

SAFETY AND FEATURE'S

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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.

ecocair®

TECHNICAL SPECIFICATION

10 FEET GEARED HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 3E

FAN DIAMETER (FT)	10
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	0.75
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS
SPEED (RPM)	110
AIR FLOW (CFM)	99,000
COVERAGE AREA (SQ FT)	5,500
STATIC WEIGHT (KG)	55
DYNAMIC WEIGHT (KG)	41
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

SAFETY AND FEATURE'S

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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:

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TECHNICAL SPECIFICATION

8 FEET GEARED HVLS FAN



HIGH COVERAGE



SAFETY FEATURES



DURABILITY



USER FRIENDLY



ENERGY EFFICIENT

MODEL NO : EAHVLS 2.4E

FAN DIAMETER (FT)	8
TYPE OF FAN	GEARED MOTOR HVLS FAN
PROTECTION RATING	IP55
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	3 ϕ INDUCTION MOTOR – IE2/IE3
MOTOR MAKE	LENZE
GEARBOX TYPE	HELICAL TWO STAGE INLINE GEARBOX
POWER (KW)	0.75
POWER LINE/VOLTAGE (V)	3 ϕ – 415 V
FREQUENCY (HZ)	50
INSULATION CLASS	F
DRIVE MAKE	DANFOSS
SPEED (RPM)	120
AIR FLOW (CFM)	87,000
COVERAGE AREA (SQ FT)	4,500
STATIC WEIGHT (KG)	52
DYNAMIC WEIGHT (KG)	40
SOUND LEVEL @ 3m BELOW FAN (dB)	< 65

SAFETY AND FEATURE'S

1. Primary and Secondary Safety Feature's for anti fall protection of all components of the fan.
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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:

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

