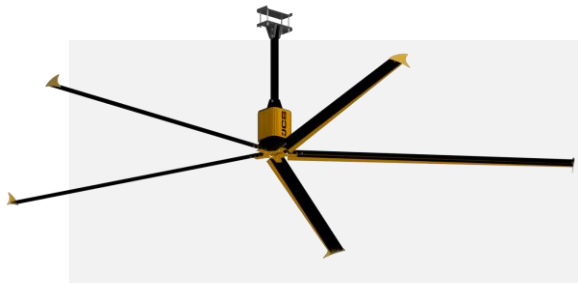
TECHNICAL SPECIFICATION

24 FEET PMSM HVLS I SUPPLY & INSTALLATION MODEL NO.: ProAir 24DX



FAN DIAMETER (FT)	24
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	0.98
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	28.6
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	52
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	3,77,000
COVERAGE AREA (SQ FT)	16,900
WEIGHT (KG)	140
NOISE LEVEL @ 3m BELOW FAN (dB)	<50

FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

ENERGY EFFICIENT

NOTE:

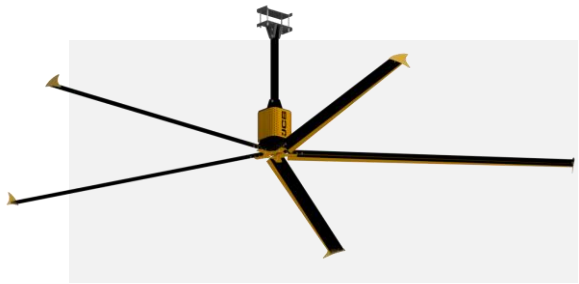
1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.

TECHNICAL SPECIFICATION

20 FEET PMSM HVLS I SUPPLY & INSTALLATION MODEL NO.: ProAir 20DX

FAN DIAMETER (FT)	20
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	1.1
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	37.4
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	68
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	2,88,000
COVERAGE AREA (SQ FT)	10,500
WEIGHT (KG)	128
NOISE LEVEL @ 3m BELOW FAN (dB)	<50



FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

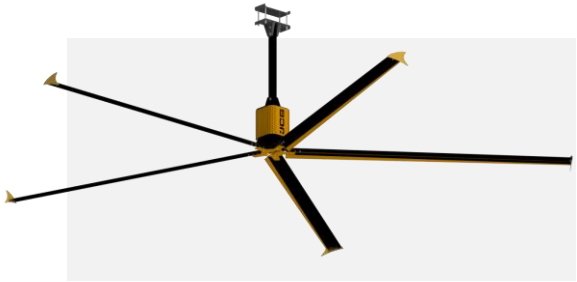
ENERGY EFFICIENT

NOTE:

1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.

TECHNICAL SPECIFICATION

16 FEET PMSM HVLS I SUPPLY & INSTALLATION MODEL NO.: ProAir 16DX



FAN DIAMETER (FT)	16
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	0.63
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	39.6
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	72
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	2,25,000
COVERAGE AREA (SQ FT)	9,000
WEIGHT (KG)	98
NOISE LEVEL @ 3m BELOW FAN (dB)	<50

FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

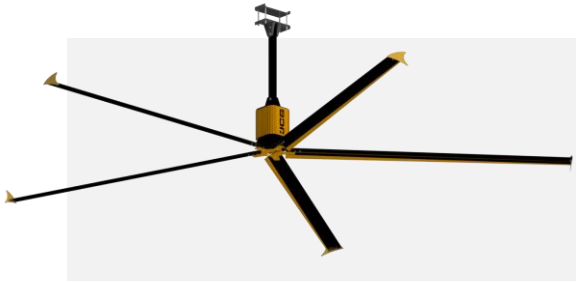
ENERGY EFFICIENT

NOTE:

1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.

TECHNICAL SPECIFICATION

12 FEET PMSM HVLS I SUPPLY & INSTALLATION MODEL NO.: ProAir 12DX



FAN DIAMETER (FT)	12
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	0.29
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	47.3
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	86
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	1,30,000
COVERAGE AREA (SQ FT)	6,800
WEIGHT (KG)	73
NOISE LEVEL @ 3m BELOW FAN (dB)	<50

FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

ENERGY EFFICIENT

NOTE:

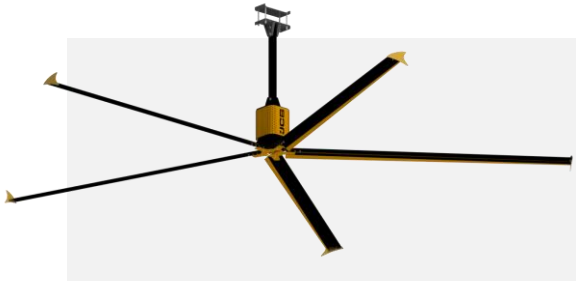
1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.

TECHNICAL SPECIFICATION

10 FEET PMSM HVLS I SUPPLY & INSTALLATION MODEL NO.: ProAir 10DX

FAN DIAMETER (FT)	10
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	0.29
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	55
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	100
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	99,000
COVERAGE AREA (SQ FT)	5,500
WEIGHT (KG)	62
NOISE LEVEL @ 3m BELOW FAN (dB)	<50



FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

ENERGY EFFICIENT

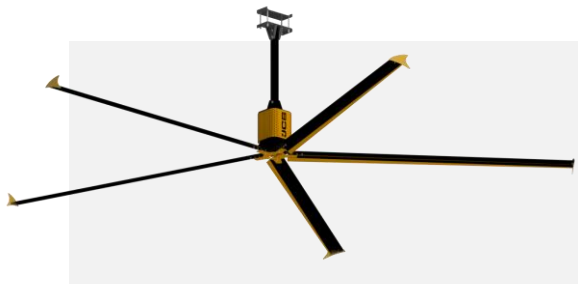
NOTE:

1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.

TECHNICAL SPECIFICATION

8 FEET PMSM HVLS I SUPPLY & INSTALLATION

MODEL NO.: ProAir 8DX



FAN DIAMETER (FT)	8
TYPE OF FAN	PMSM MOTOR HVLS FAN
PROTECTION RATING	IP65
BLADE FINISH	ANODISED SILVER WITH POWDER COATING
BLADE MATERIAL	HIGH GRADE ALUMINUM ALLOY 6061 T6
NO. OF BLADE	5
HUB IMPELLER SAFETY	ANTIFALL PROTECTION FOR IMPELLER AND HUB ASSEMBLY BY USING COLLAR LOCK PLATE
IMPELLER GRADE	DIN 17100 GR. ST 52.3
MOTOR TYPE	PMSM
MOTOR MAKE	EMF (GERMAN MAKE)

REVERSIBLE MOTOR	OPTIONAL
POWER (KW)	0.29
POWER LINE/VOLTAGE (V)	1/3 ϕ – 220/400 V
FREQUENCY (HZ)	60.5
DRIVE TYPE	DANFOSS/SCHNEIDER
CONTROL TYPE	TOUCH SCREEN HMI, INTEGRATED VFD CONTROL, CAPABLE TO INTEGRATE WITH MOBILE APP
SPEED (RPM)	110
SPEED CONTROL METHOD	ANALOG INPUT SPEED SETTING THROUGH 0 TO 10 V & HMI
AIR FLOW (CFM)	87,000
COVERAGE AREA (SQ FT)	4,500
WEIGHT (KG)	55
NOISE LEVEL @ 3m BELOW FAN (dB)	<50

FEATURES

1. Can be connected to Building Management System.
2. Real time data monitoring system.
3. Can communicated through Modbus RTU 485.
4. 24/7 Operation.
5. Real time turn ON/OFF

SAFETY FEATURES

1. 2-Stage structure failure Protection for Impeller & Hub Assembly.
2. GI wire rope for blade & extension tube.
3. GI wire rope anchor for motor chassis.
4. Power System Switch Gear Protection.

HIGH COVERAGE

SAFETY FEATURES

DURABILITY

USER FRIENDLY

ENERGY EFFICIENT

NOTE:

1. Speed of air is based on max speed of the fan. Air velocity can be affected at site with respect to fan ceiling suspended height, any barriers to air flow stream, Bottom of fan above the floor level.
2. Fan weight changes depending on the length of the extension rod.
3. Coverage area is affected by barriers, fan ceiling height, Bottom of fan above floor level.