



IRB-IRT

5132928300 - IRT/4-450 230/400V50HZ 560/160 N8 - IN-LINE DUCT FANS



Range of rectangular duct fans suitable for many general ventilation applications where the fan is required to be installed within a rectangular ducted ventilation system or where the space for installation is limited. High performance centrifugal fans. All models suitable for mounting in any orientation. Casing manufactured from heavy gauge galvanised sheet steel. Direct drive backward curved impellers manufactured from aluminium sheet. External rotor motor, Class F insulation with thermal protection. IP55 remote terminal box.

IRT models: Three-phase 230/400V-50Hz. IP54. Speed controllable by transformer or frequency drive.

Brand S&P model IRT/4-450 230/400V50HZ 560/160 N8.

Theoretical Working Point

Airflow	-
Static Pressure	0,000 N/m ²
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz

Construction

Discharge diameter	793 mm
Fan size	450
Blades	0
Weight	96,00 kg

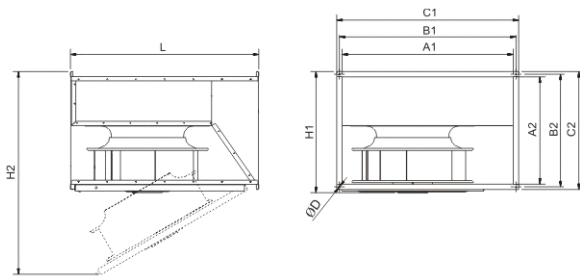
Motor Characteristics

Number of poles	4
Motor Power	-
Maximum absorbed current	7,4 A / 4,2 A
Voltage	3-230/400V-50Hz
IP Rating	IP54
Motor insulation class	F

Working Point

Airflow	-
Static Pressure	-
Dynamic pressure	-
Total Pressure	-
Input power	-
Tot efficiency	-
Fan speed	1381
Specific Fan Power	-

Drawing

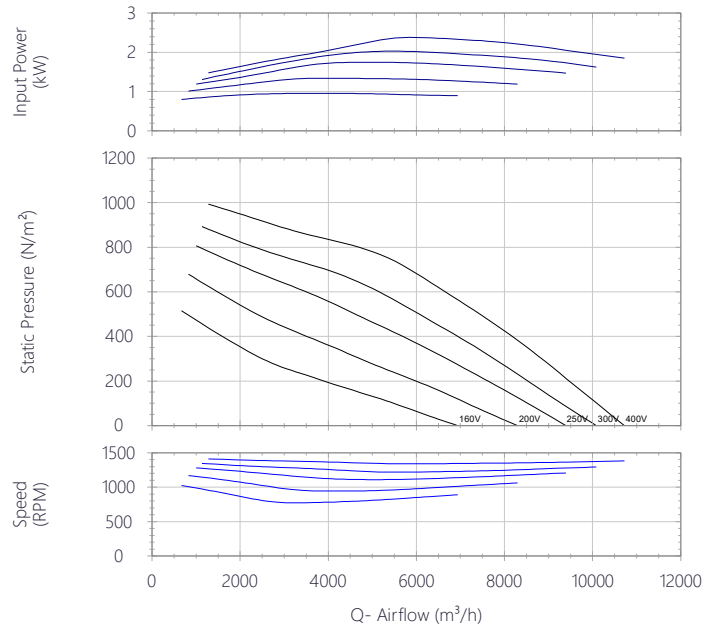


A1	A2	B1	B2	C1	C2	D	H1	H2
1000	500	1020	520	1045	545	8.5	565	1430

L

980

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	67	80	84	88	87	85	77	72	93
Inlet LpA @ 1m	56	69	73	77	76	74	66	61	82
Outlet (LwA)	65	87	89	93	94	90	81	75	98
Outlet LpA @ 1m	54	76	78	82	83	79	70	64	87
Breakout (LwA)	61	76	79	81	78	75	64	60	85
Breakout LpA @ 1m	50	65	68	70	67	64	53	49	74



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ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	IRT/4-450 230/400V50HZ 560/160 N8
Manufacturer's Info	S&P
Identifier	-
Typology	NRVU unidirectional
Drive	VSD
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	1,6
Pelec (kW)	2,38
SFPint (W/m3/s)	NA
Face velocity (m/s)	3,2
$\Delta p_{s,ext}$ (Pa)	711,6
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	55,8
External leakage rate (%)	2
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	81
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