hydor

HIT Centrifugal Inline Extractor Fan

IP44 protection

The duct mounted HIT range of all metal in-line centrifugal fans provide the ideal solution for high performance requirements in low airflow, medium pressure grow rooms.

HIT fans are designed specifically for smaller greenhouse and grow room ventilation applications, providing high performance and quiet operation.

Features & Benefits

- 7 standard sizes from 100mm to 315mm with air volume flow rates of up to 0.51 m/s
- Static pressures of up to 650 Pa
- Motors are IP44 external rotor
- Single inlet backward curved centrifugal impellers
- Air guide vanes
- Thermal overload protection
- Three speed motor
- Fans can be mounted at any angle
- Mounting brackets included
- Fully speed controllable
- IP54 rated terminal box
- Robust steel casing
- Extensive range of stock is available

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Performance

Single Phase 220V to 240V / 50Hz or 60Hz

Model Number	Speed (r/min)	Airflow SFP	Airflow @ Static Pressure (Pa)											Overall Eff. (%)	Input (kW)	Peak (Amps)	dBA @ 3m	
			0	25	50	75	100	150	200	250	300	350	400					
HIT100	2725	m^3/s	0.060	0.053	0.047	0.040	0.033	-	-	-	-	-	-	13.5	0.025	0.14	Inlet	42
		W/(L/s)	0.42	0.47	0.53	0.61	0.73	-	-	-	-	-	-				Outlet	37
HIT125	2690	m^3/s	0.059	0.054	0.048	0.041	0.031	0.014	-	-	-	-	-	12.6	0.026	0.14	Inlet	43
		W/(L/s)	0.43	0.47	0.53	0.62	0.80	1.79	-	-	-	-	-				Outlet	38
HIT150	2595	m^3/s	0.130	0.125	0.120	0.115	0.108	0.094	0.078	0.060	0.039	0.001	-	25.2	0.062	0.28	Inlet	52
		W/(L/s)	0.49	0.52	0.53	0.55	0.56	0.62	0.70	0.85	1.20	44.13	-				Outlet	50
	2300	m^3/s	0.112	0.108	0.101	0.092	0.081	0.065	0.051	0.036	0.015	-	-	20.3	0.051	0.26	Inlet	49
		W/(L/s)	0.48	0.52	0.55	0.59	0.64	0.75	0.86	1.08	2.15	-	-				Outlet	47
	2120	m^3/s	0.090	0.081	0.065	0.055	0.049	0.038	0.029	0.017	-	-	-	13.0	0.045	0.25	Inlet	46
		W/(L/s)	0.59	0.67	0.85	0.97	1.04	1.21	1.43	2.06	-	-	-				Outlet	44
HIT160	2700	m^3/s	0.138	0.133	0.128	0.122	0.116	0.104	0.090	0.073	0.051	0.017	-	33.6	0.055	0.24	Inlet	46
		W/(L/s)	0.37	0.41	0.43	0.45	0.46	0.48	0.51	0.56	0.70	1.99	-				Outlet	45
	2370	m^3/s	0.121	0.117	0.111	0.104	0.094	0.075	0.057	0.041	0.021	-	-	22.3	0.051	0.23	Inlet	43
		W/(L/s)	0.41	0.45	0.48	0.52	0.55	0.66	0.77	0.95	1.58	-	-				Outlet	42
	2715	m^3/s	0.112	0.106	0.097	0.084	0.071	0.052	0.039	0.027	0.012	-	-	16.2	0.043	0.24	Inlet	40
		W/(L/s)	0.44	0.49	0.55	0.64	0.75	0.96	1.15	1.44	2.67	-	-				Outlet	40
HIT200	2565	m^3/s	0.243	0.235	0.227	0.218	0.210	0.193	0.175	0.155	0.133	0.106	0.070	38.4	0.104	0.46	Inlet	46
		W/(L/s)	0.39	0.43	0.46	0.48	0.48	0.50	0.51	0.51	0.51	0.63	0.96				Outlet	45
	2395	m^3/s	0.225	0.217	0.208	0.199	0.188	0.166	0.141	0.117	0.091	0.065	0.036	30.8	0.088	0.43	Inlet	44
		W/(L/s)	0.34	0.45	0.50	0.52	0.50	0.50	0.51	0.57	0.73	1.03	1.89				Outlet	43
	2100	m^3/s	0.206	0.199	0.190	0.179	0.164	0.132	0.104	0.078	0.053	0.030	0.013	22.4	0.092	0.43	Inlet	42
		W/(L/s)	0.42	0.46	0.50	0.53	0.56	0.67	0.78	0.91	1.05	1.59	3.66				Outlet	41
HIT250	2555	m^3/s	0.232	0.225	0.218	0.211	0.203	0.186	0.168	0.146	0.122	0.092	0.056	35.3	0.105	0.48	Inlet	47
		W/(L/s)	0.42	0.46	0.48	0.50	0.51	0.53	0.55	0.57	0.62	0.79	1.31				Outlet	46
	2295	m^3/s	0.216	0.208	0.199	0.189	0.179	0.156	0.131	0.104	0.077	0.049	0.018	26.5	0.100	0.45	Inlet	44
		W/(L/s)	0.43	0.47	0.51	0.53	0.55	0.60	0.67	0.75	0.88	1.29	3.42				Outlet	43
	2115	m^3/s	0.204	0.194	0.184	0.172	0.158	0.127	0.099	0.075	0.052	0.030	-	20.2	0.099	0.44	Inlet	43
		W/(L/s)	0.45	0.49	0.54	0.58	0.62	0.74	0.88	1.04	1.25	1.98	-				Outlet	41
HIT315	2190	m^3/s	0.342	0.327	0.312	0.297	0.283	0.254	0.224	0.190	0.153	0.111	0.070	30.6	0.156	0.69	Inlet	46
		W/(L/s)	0.42	0.46	0.49	0.52	0.55	0.61	0.66	0.72	0.80	1.02	1.61				Outlet	47
	1965	m^3/s	0.323	0.301	0.283	0.266	0.250	0.215	0.175	0.127	0.082	0.051	0.030	24.5	0.144	0.66	Inlet	44
		W/(L/s)	0.40	0.45	0.49	0.54	0.58	0.66	0.78	0.99	1.33	1.94	3.32				Outlet	44
	1785	m^3/s	0.299	0.284	0.267	0.246	0.220	0.163	0.118	0.085	0.060	0.040	0.023	17.6	0.139	0.64	Inlet	42
		W/(L/s)	0.42	0.46	0.51	0.57	0.63	0.84	1.10	1.37	1.64	2.17	3.77				Outlet	43

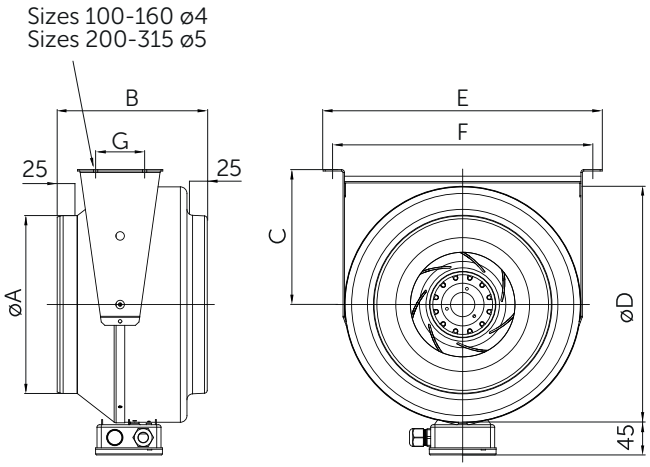
Data in accordance with ErP 1253/2014 of the European Parliament. Contact the office for 60Hz performance data. For EASI models add **SP** to the product code. Data provided is at standard air density of 1.2 kg/m^3. Overall static efficiency, r/min and FMEG values are per ISO 12759. Installation Category C. Classified to Ecodesign 1253/2014 as NRVU, UVU, 2018 compliant. Peak Amps @ 230V / 1PH / 50Hz. The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

HIT Centrifugal Inline Extractor Fan

Dimensions

Model Number	A	B	C	D	E	F	G	Weight (kg)
HIT100	98	204	130	237	284	270	47	3.7
HIT125	123	202	130	237	284	270	47	3.7
HIT150	148	195	165	278	326	312	47	3.6
HIT160	158	195	165	278	326	312	47	3.6
HIT200	198	242	190	333	392	372	100	5.5
HIT250	248	210	190	333	392	372	100	5.3
HIT315	313	280	227	400	460	440	100	8.8

Dimensions in mm.



HIT Centrifugal Inline Extractor Fan

Accessories

Model Number	Flexible Duct	Fast Clamps	Backdraught Dampers	Single Phase Electronic Controller	Single Phase 3 Speed Controller	Single Phase Transformer Voltage Controller
HIT100	HFD100X3	HFCLP100	HBS100	HFC1.7	-	TC012
HIT125	HFD125X3	HFCLP125	HBS125	HFC1.7	-	TC012
HIT150	HFD150X3	HFCLP150	HBS150	HFC1.7	HFT1.7	TC012
HIT160	-	-	-	HFC1.7	HFT1.7	TC012
HIT200	HFD200X3	HFCLP200	HBS200	HFC1.7	HFT1.7	TC012
HIT250	-	HFCLP250	HBS250	HFC1.7	HFT1.7	TC012
HIT315	-	HFCLP315	HBS315	HFC1.7	HFT1.7	TC012

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