

Product Code



AR 1250-11/21 D4-T

Cased Axial Fan

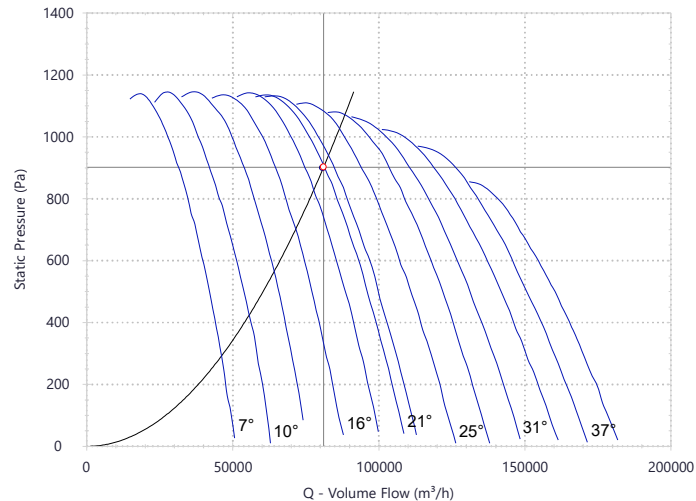
Description

TENV motors. Class H, IP 55. Certified to withstand temperature : 250 °C (2 hours). Bearings life L 10 Impeller Hubs and blades in die-cast alu alloy; aerofoil profile. Pitch angle adjustable in still condition. Casing: Hot dip galvanized carbon steel. Long casing version as standard with outer terminal box.

Performance

Q (Volume)	81,000 (81,080) m ³ /h
Ps (Static Pressure)	900 (902) Pa
Pt (Total Pressure)	1,107 Pa
Pd (Dynamic Pressure)	206 Pa
Outlet Velocity	18.35 m/s
Fan Static Efficiency	52.2 %
Fan Total Efficiency	64.1 %
Absorbed Power	38.93 kW
Specific Fan Power	2.16 W/l/s
Fan Speed	1440 rpm
Sound Pressure Level	94 dBA
Air Density	15 °C @ 0 m 1.22 kg/m ³
Total Weight	706Kg

Performance Curve



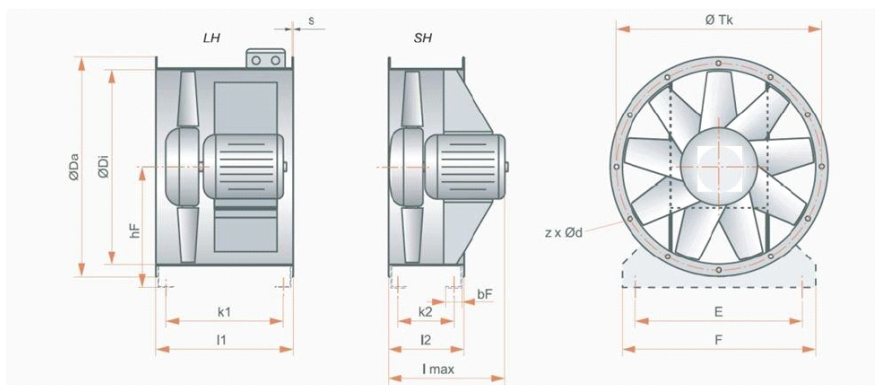
Recommended Motor

Motor Speed	1440 rpm
Motor Rating	45 kW
Full Load Current	77.4 A
Starting Current	232.2 A
Electrical Supply	415/3/50
Motor Weight	350Kg

Sound Performance

	Hz	63	125	250	500	1k	2k	4k	8k	Total
Inlet Sound Power	dBW	78	76	94	83	81	78	73	67	95
Outlet Sound Power	dBW	78	76	94	83	81	78	73	67	95

Drawing & Dimensions



KEY	mm
Di	1250
Da	1345
hF	799
z x d	24 x14
Tk	1315
E	1180
F	1240
bF	100
s	4
motor	160-200
k1	700
l1	800
k2	262
l2	350
lmax	800
motor	225-250
k1	900
l1	1000