

Project : Lagerventilatorer
Quotation :

Project Code : BC-10578
Date : 16 June 2023



JM Aerofoil
BC-10578-4

HT50JM/20/2/3/20

PRODUCT

Model Code	HT50JM/20/2/3/20
Fan Diameter	500 mm
Fan Speed	2910 rpm [Max 3456, Min 576]
Impeller	3 Blades, 20° Angle
Installation	Type D - Form B
Fan Casing	Long Case - Horizontal

PERFORMANCE

Requested Duty	0.000 m³/h @ 0.000 Pa (Static)
Actual Duty	0.000 m³/h @ 0.000 Pa (Static)
Outlet Dynamic Pressure	0.000 Pa
Velocity	0.00 m/s
Peak Power	1.72 kW [Used to size motor]

MOTOR

Motor Rating	1.73 kW [80M Frame - 2 Pole]
Full Load Current	3.48 A
Starting Current	23.07 A
Electrical Supply	380 - 415 Volts 50 Hz 3 Phase
Motor Winding	Standard
Motor Type	TEAR - Pad - IE2 - Class H Insulation

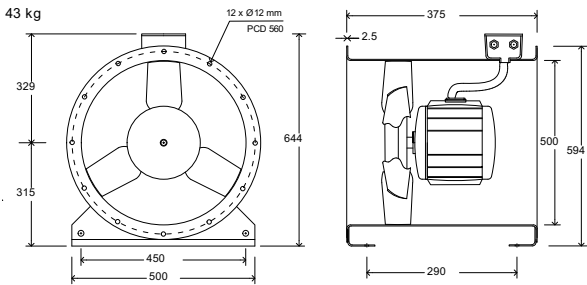
EFFICIENCY GRADES

ErP [FMEG] Rating	N 68 (ErP Compliant 2015) ✓
ErP [FMEG]	Target N 55.1
FMEG Blade Angle [Range]	16° [8° To 20°]
Measurement Category	D
VSD	No
Fan + Motor Efficiency	62.9% (2.31 m³/s @ 398 Pa)
Motor Input Power (ErP)	1.47 kW

ENVIRONMENT

Air Density	1.2 kg/m³ / 20 °C / 0 m / 40% RH
Smoke Venting	300°C for 2hrs (Emergency Mode)
Operating Environment	Normal

PRODUCT DIMENSIONS

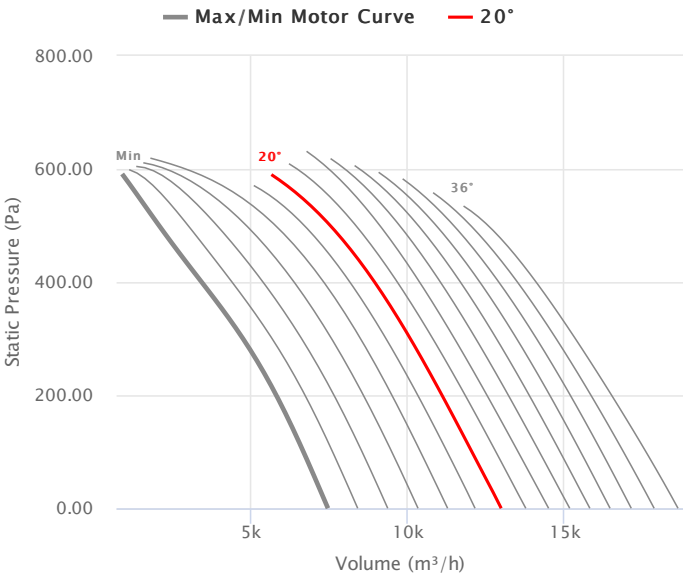


MECHANICAL

Casing	500mm Steel Casing
Impeller	Aluminium LM6 Hub, Aluminium LM6 Blades
Operating Temperatures	-20 °C to 50 °C [HT 300 °C]
Maximum Running Speed	3456 rpm [59 Hz]
Minimum Running Speed	576 rpm [10 Hz]
Weight	43kg

COMMENTS

FAN PERFORMANCE CURVE



ACOUSTICS

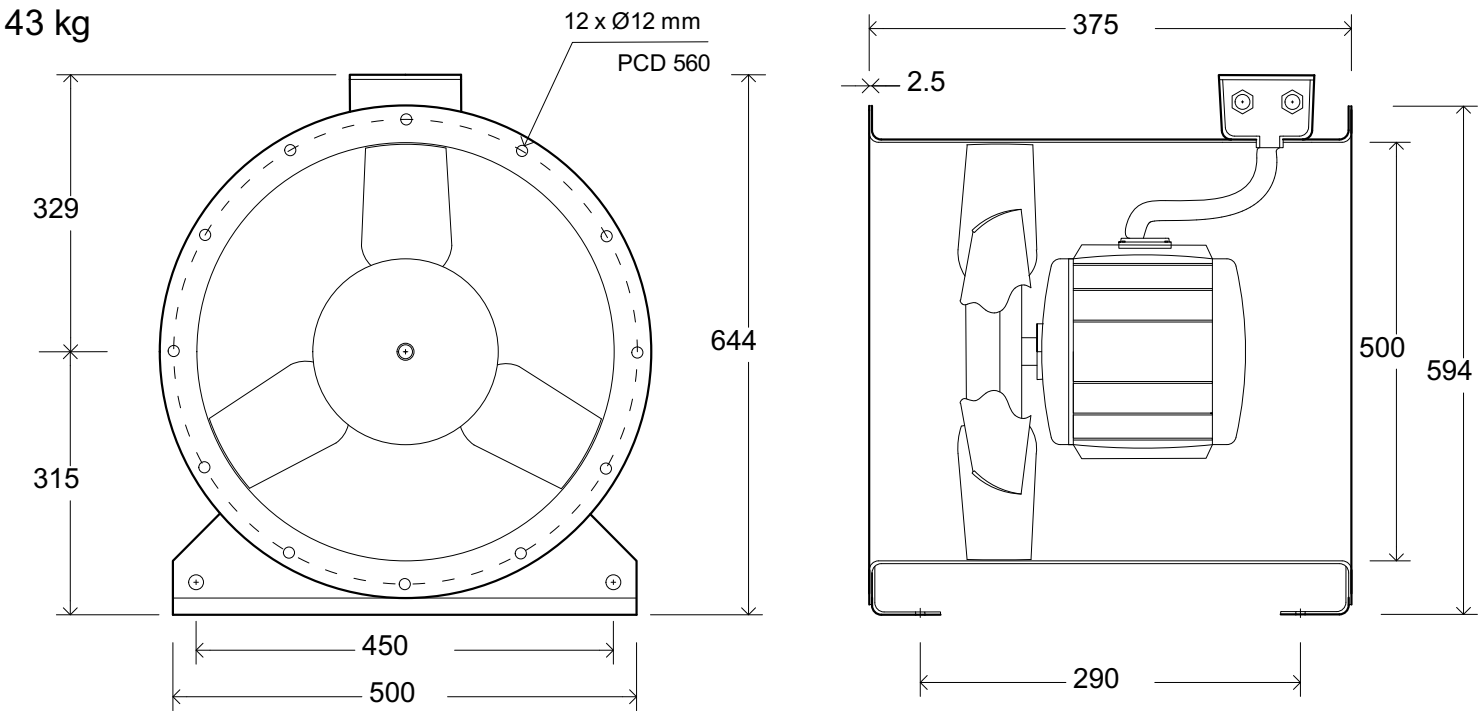
Sound Spectrum (Hz)								Overall	Distance (3 m)
125	250	500	1k	2k	4k	8k	Lw*	LwA*	LpA @ 3 m **
Sound Data At Requested Duty.								* Lw dB re 10 ⁻¹² W	* Lw dB re 10 ⁻¹² W

FAN & ACCESSORIES

Item Description	Part Number	Qty
HT50JM/20/2/3/20		20
Matching Flange	74914	40
Mounting Feet Set 2	AS021106	20

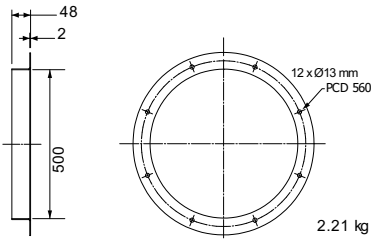
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PRODUCT DIMENSIONS

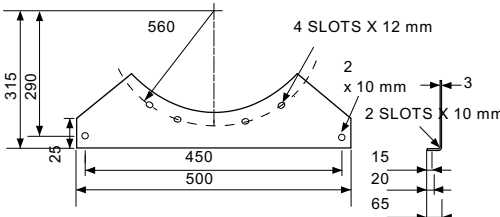


ACCESSORY DIMENSIONS

MATCHING FLANGE



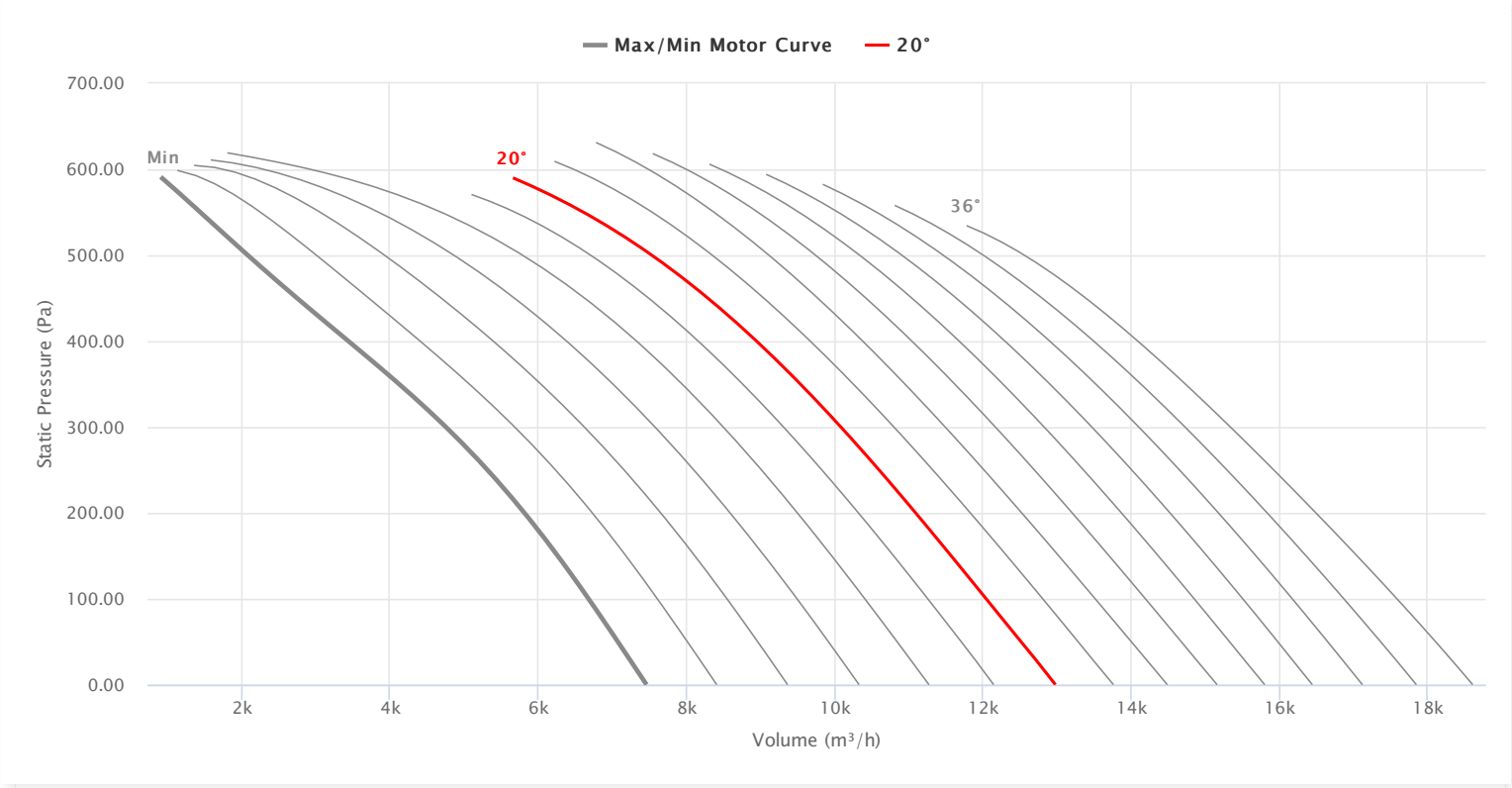
MOUNTING FEET SET 2



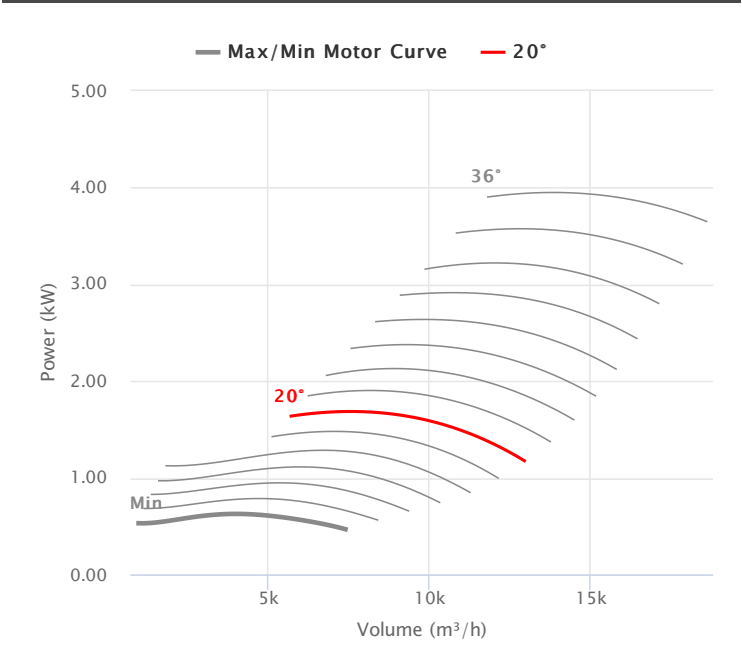
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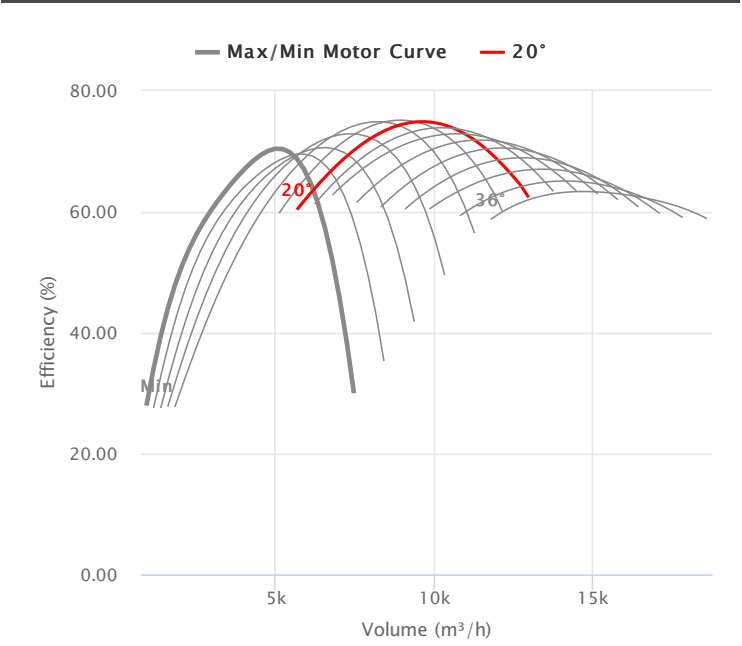
AERODYNAMIC



POWER CHART



EFFICIENCY CHART



ACOUSTICS

Sound Spectrum (Hz)								Overall
125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m **
Sound Data At Requested Duty .								
* Lw dB re 10 ⁻¹² W								
** dBA re 2x10 ⁻⁵ Pa								