

Project : Lagerventilatorer
Quotation :

Project Code : BC-10578
Date : 16 June 2023



JM Aerofoil
BC-10578-6

HT80JM/20/4/6/24

PRODUCT	
Model Code	HT80JM/20/4/6/24
Fan Diameter	800 mm
Fan Speed	1440 rpm [Max 1734, Min 289]
Impeller	6 Blades, 24° Angle
Installation	Type D - Form B
Fan Casing	Long Case - Horizontal

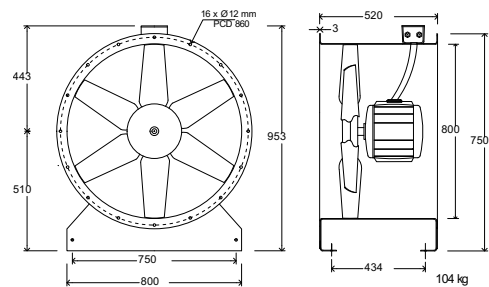
PERFORMANCE	
Requested Duty	0.000 m³/h @ 0.000 Pa (Static)
Actual Duty	0.000 m³/h @ 0.000 Pa (Static)
Outlet Dynamic Pressure	0.000 Pa
Velocity	0.00 m/s
Peak Power	4.35 kW [Used to size motor]

MOTOR	
Motor Rating	4.60 kW [112M Frame - 4 Pole]
Full Load Current	9.3 A
Starting Current	47.78 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 62 (ErP Compliant 2015) ✓
ErP [FMEG]	Target N 55.1
FMEG Blade Angle [Range]	22° [8° To 24°]
Measurement Category	D
VSD	No
Fan + Motor Efficiency	60.1% (7.53 m³/s @ 310 Pa)
Motor Input Power (ErP)	3.89 kW

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

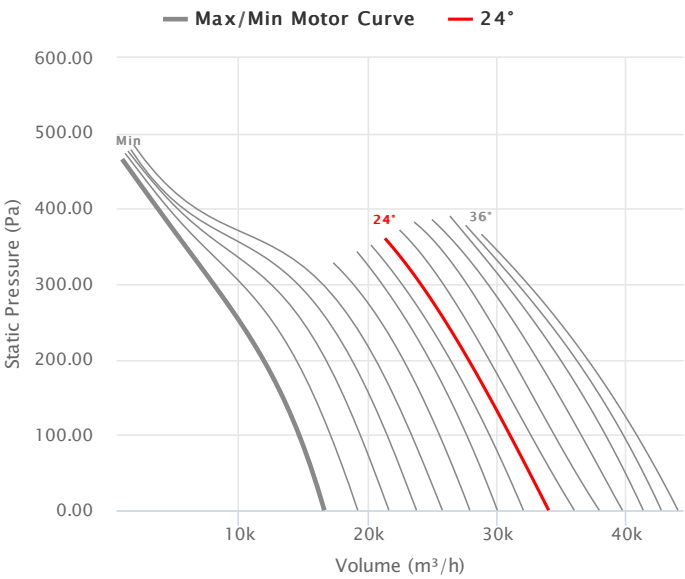
PRODUCT DIMENSIONS



MECHANICAL	
Casing	800mm Steel Casing
Impeller	Aluminium LM6 Hub, Aluminium LM6 Blades
Operating Temperatures	-20 °C to 50 °C [HT 300 °C]
Maximum Running Speed	1734 rpm [60 Hz]
Minimum Running Speed	289 rpm [10 Hz]
Weight	104kg

COMMENTS

FAN PERFORMANCE CURVE



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

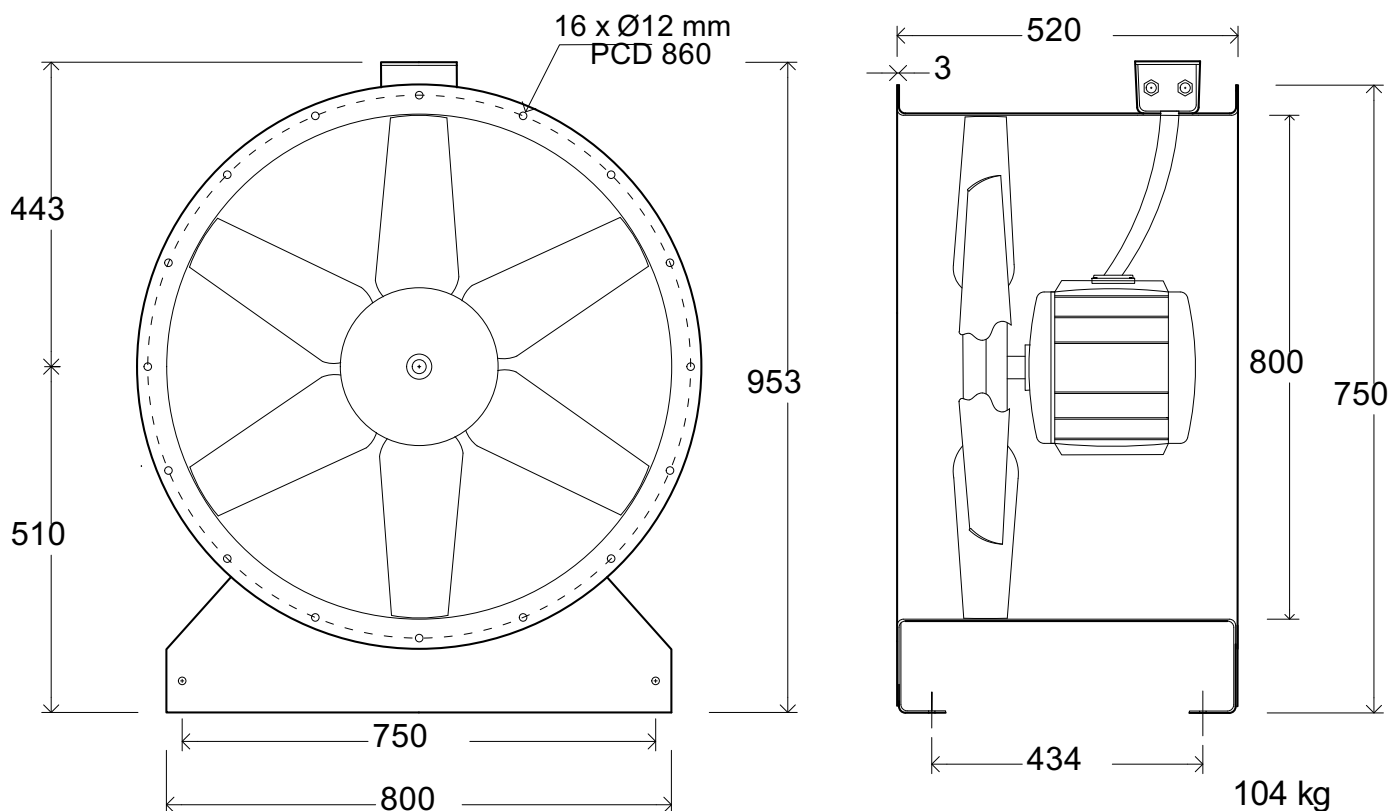
FAN & ACCESSORIES

Item Description	Part Number	Qty
HT80JM/20/4/6/24	AJHL-300-9-24	20
Matching Flange	74917	40
Mounting Feet Set 2	AS021112	20

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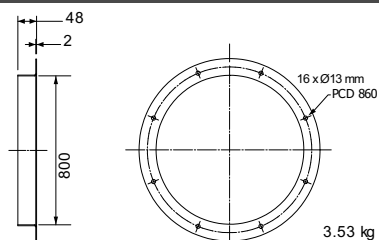
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PRODUCT DIMENSIONS

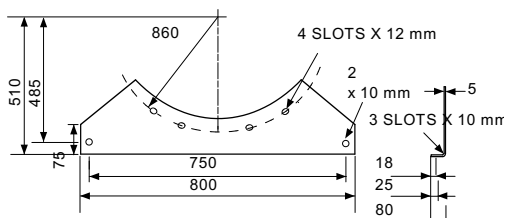


ACCESSORY DIMENSIONS

MATCHING FLANGE



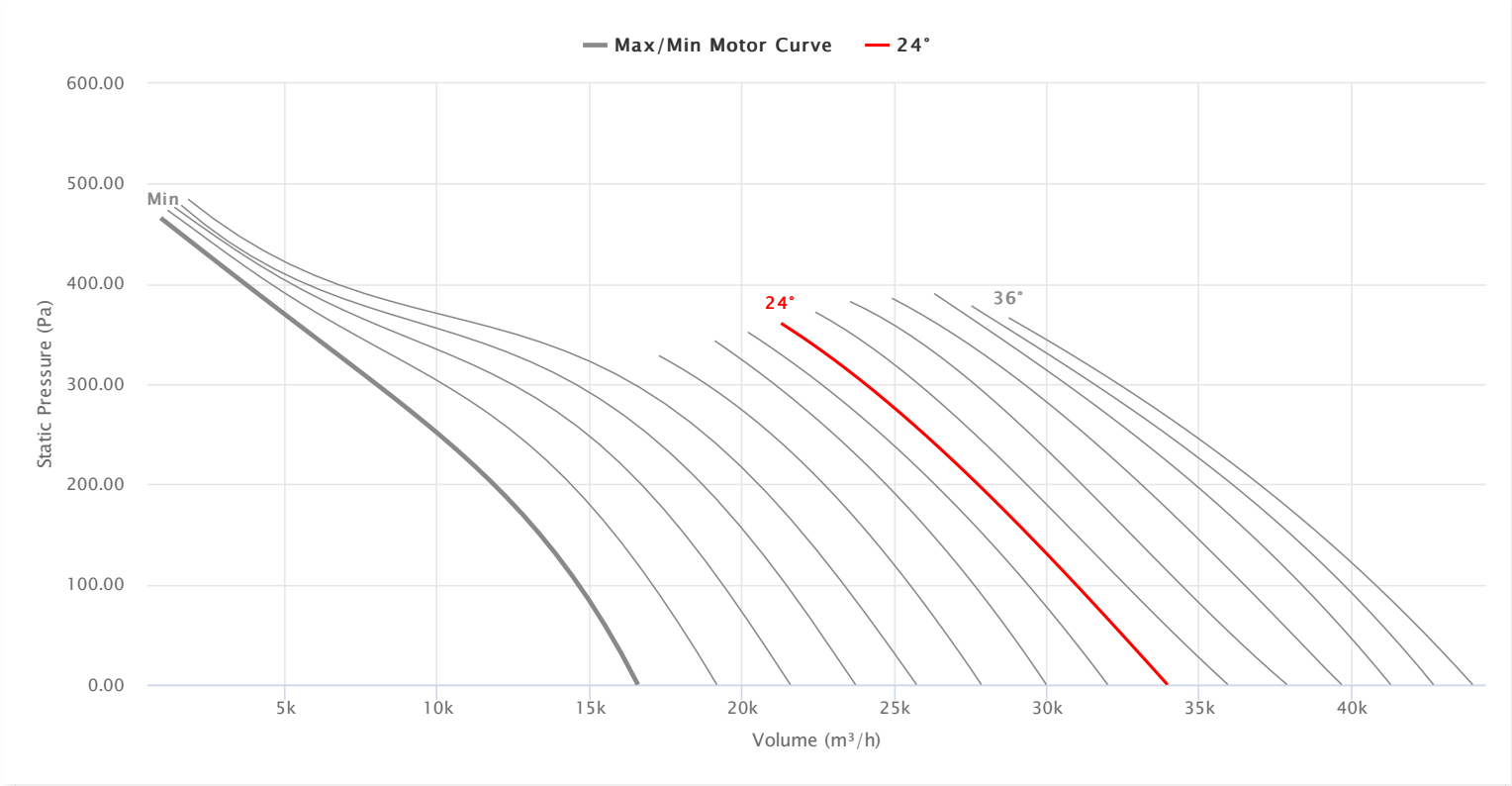
MOUNTING FEET SET 2



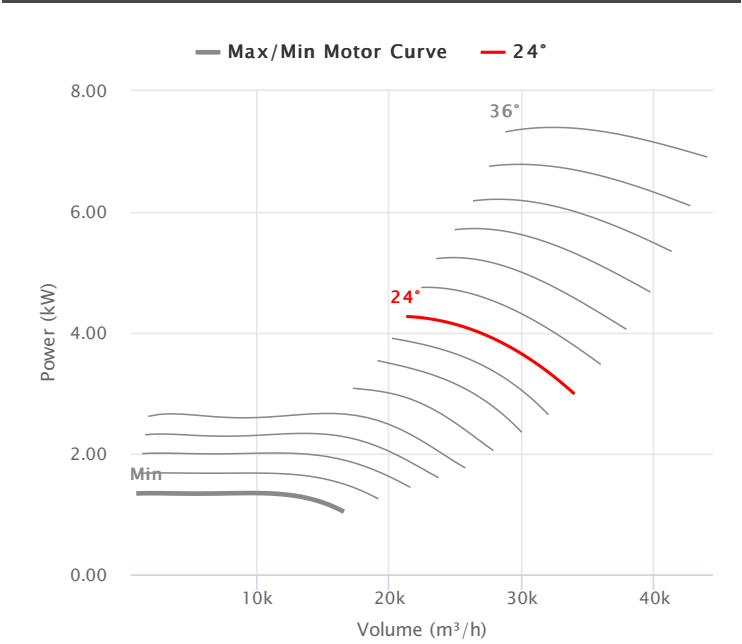
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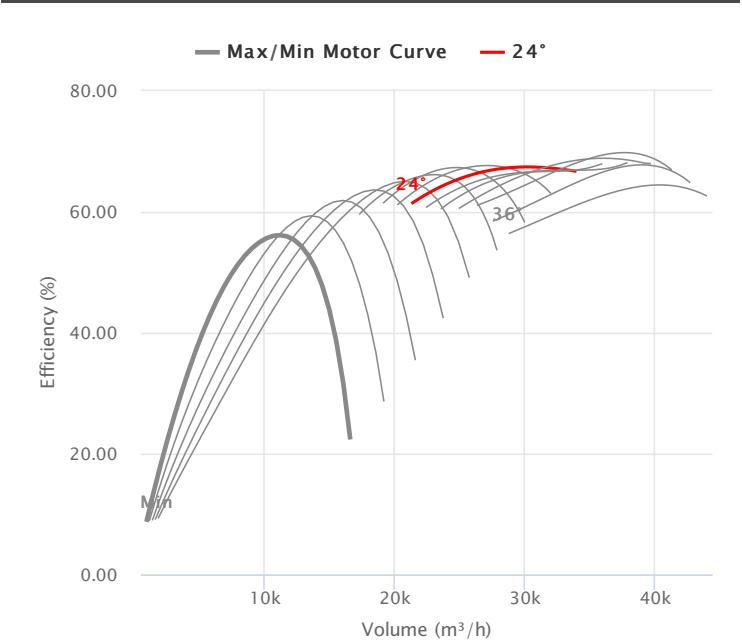
AERODYNAMIC



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				