

SPECIFICATION FOR APPROVAL

CUSTOMER : _____

CUSTOMER PART NO. : _____

CUSTOMER APPROVED	APPROVED BY	CHECKED BY	PREPARED BY
	 2018.05.25 周文榮	 2018.05.25 利俊宏	 2018.05.25 陳佩如

MODEL NO. : **MT12038BL** P.S. _____

DESCRIPTION : _____

SPEC NO. : **71701MD**

ISSUE DATE : **2018.05.25**

REVISION : **A00**

THIS OFFER IS MADE ACCORDING TO YOUR CURRENT INQUIRY.
UNLESS OTHERWISE REVISED, THIS SPECIFICATION WILL BE FINAL FOR
ALL FUTURE PRODUCTION OF ORDERS FROM YOUR RESPECTED COMPANY

KINDLY STUDY IN DETAILS AND RETURN TO US THE DUPLICATE DULY
SIGNED AS YOUR CONFIRMATION OF SAME.



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ROTRON CORPORATION

DATA-SHEET

Engineering

Printed On:

DC BRUSHLESS AXIAL COOLING FANS

Customer	:		Ref: (RoHS)
Model No	:	MT12038BL	
Samples attached	:	Piece(s),	
Safety Approval	:	UL,CUL,TUV,CE	TUV:EN 60950-1:2006+A11+A1+A12+A2 UL:UL507 CE:EN 61000-6-1:2007 EN 61000-6-3:2007+A1

Specifications

ITEM	SPECIFICATION / CONDITION			
DIMENSIONS	:	120x120x38	mm	
BEARING TYPE	:	TWO BALL		
RATED VOLTAGE	:	48	VDC	
OPERATING VOLTAGE RANGE	:	43.2	VDC	52.8 VDC
START-UP VOLTAGE	:	24	VDC	NORMAL
REAL CURRENT	:	0.85	Amp	
REAL POWER	:	40.80	Watt	
RATED CURRENT	:	1.15	Amp	+ 10 %MAX
RATED POWER	:	55.20	Watt	
RATED SPEED 42/3 - 52/8 V	:	4400-6000	RPM	± 10 % (40°C UPPER)
(IN FREE AIR AT RATED VOLTAGE)				
AIR FLOW	:	228.362	CFM	(min.: 205.525 CFM)
AIR FLOW	:	6.462	CMM	(min.: 5.815 CMM)
(IN FREE AIR AT RATED VOLTAGE)				
STATIC AIR PRESSURE	:	1.340	Inch H ₂ O	(min.: 1.085 Inch H ₂ O)
STATIC AIR PRESSURE	:	34.036	mm H ₂ O	(min.: 27.569 mm H ₂ O)
(IN FREE AIR AT RATED VOLTAGE)				
NOISE LEVEL	:	67.7	dB (A)	(max.: 71.7 dB(A))
MOTOR PROTECTION	:	BY	IC	
POLARITY PROTECTION	:	YES		
CONNECTION LEAD TYPE	:	WIRE, AWG#	24	الکتریکال مکانیکال انوار دقیق
LIFE EXPECTANCY	:	70000	Hours	at 40°C / 65% RH
NET WEIGHT	:	375	Gram	
PACKING	:	40	pcs.	Per Export Carton.

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Unless otherwise stated, the relative humidity is 65%, and the temperature is 25°C

for the standard testing.

Should you have any doubt, please refer to the environmental conditions specified in the acknowledgement document.

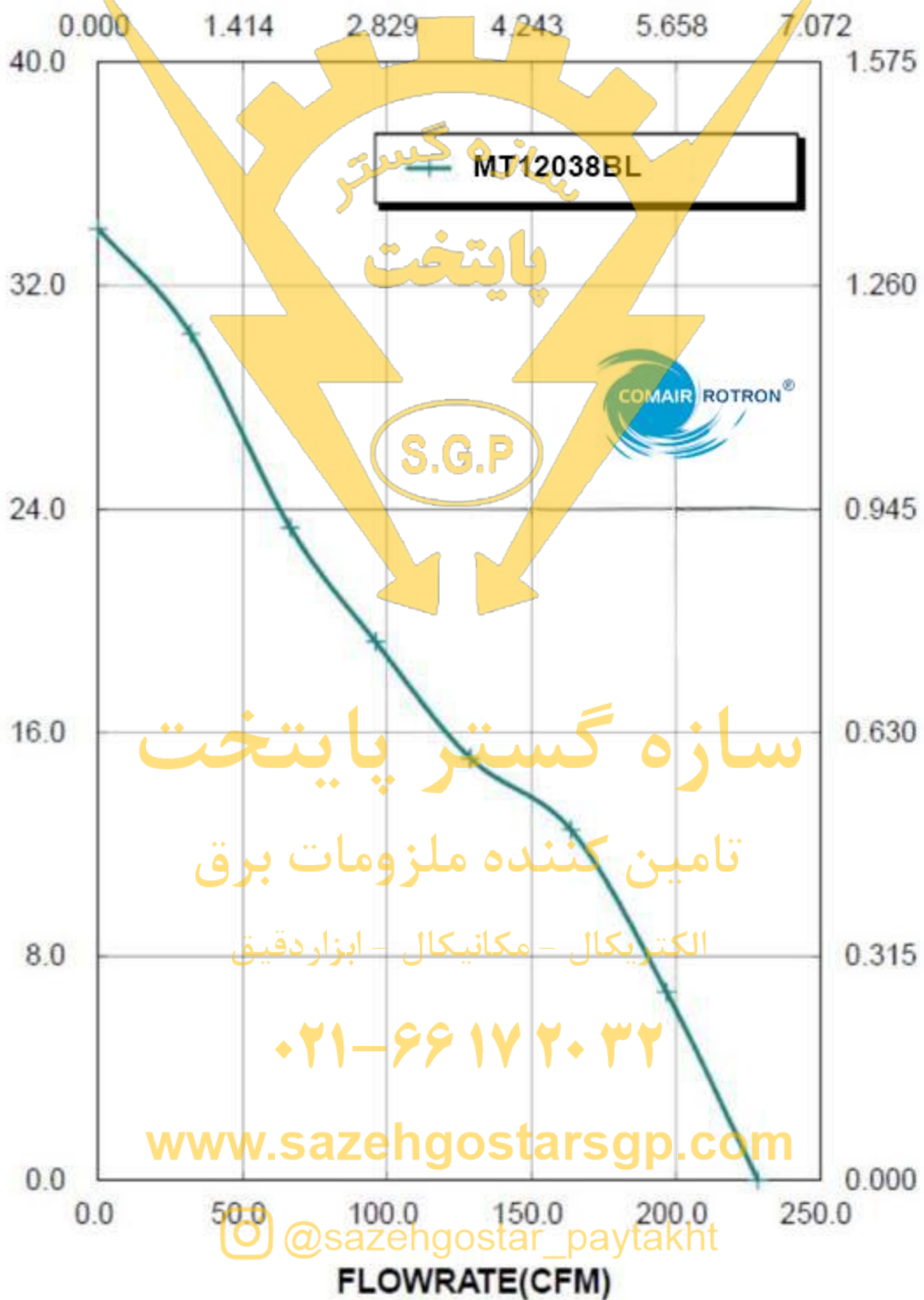


ROTRON CORPORATION

Model No.: MT12038BL

Fan Performance Curve

FLOWRATE(CMM)



سازه گستر پایتخت

تامین کننده ملزومات برق

الکترونیکال - مکانیکال - ابزار دقیق

۰۲۱-۶۶۱۷۲۰۳۲

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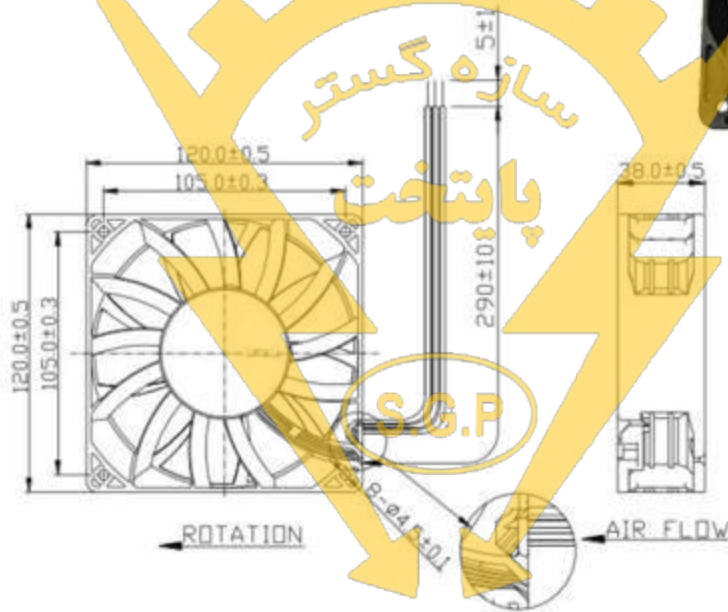
SPECIFICATION

8.0 REMARKS

- 8.1 Material and construction are subject to change without advance notice. The changes should be within specification.
- 8.2 All fans shall meet the quality inspection under sampling plan MIL-STD-105E as follow:

Critical	0.25%
Major	1.00%
Minor	2.50%

9.0 OUTLINE STYLING & DIMENSIONS



LEAD WIRES : UL 1007, AWG24 , L = 290±10 mm
Red = positive ; Black = negative.
White = FG

10.0 Notes:

- 10.1 Please do not touch and push Fan Blade with fingers or others, fan blade and ball bearings may be damaged and it causes noise defect.
- 10.2 Do not carry the fan by its lead wires.
- 10.3 If the fan does not have the polarity protection function, the connection of the colored wires should be red + red, and black + black, or else the fan will be damaged in no time.
- 10.4 For the models without reverse connection of polarity protection, please do not connect the lead wire in reverse.
- 10.5 Please don't install this fan in series with 2x voltage inputs. For example, if a single fan rated at 12V, then don't install two of them in series with 24V input.
- 10.6 Every specific fan is designed for its certain application (project). Therefore, if you want to use this fan in other application (project), please inform ADDA first so that we can confirm whether there is any issue which might be incurred from the reason of this different application (project) or not.
- 10.7 The "Life Expectancy" of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy in the Test Reports (L10 and MTTF Report) that relate to this fan is for reference only and shall not construe any kind of warranty of ROTRON to the life of any specific fan, either expressed or implied.
- 10.8 The period of product warranty, unless otherwise agreed by ROTRON in written, shall be 12 months starting from the date of production.
- 10.9 In Lead Wire, there is a possibility to come off from frame.
- 10.10 In order to avoid abnormal bumping or interference caused by deformed impeller when fan is fastened, suggested distance of at least 0.5mm is strongly reserved in front of the frame (the sight from the impeller face).

