

# Torin

Airflow Management

## Fan Decks

### **Torin Industries Pty Ltd**

60 Lancaster Street  
Ingleburn NSW 2565  
Australia

Telephone 61 2 9605 000  
Facsimile 61 2 9605 0001  
Email [sales@torin.com.au](mailto:sales@torin.com.au)

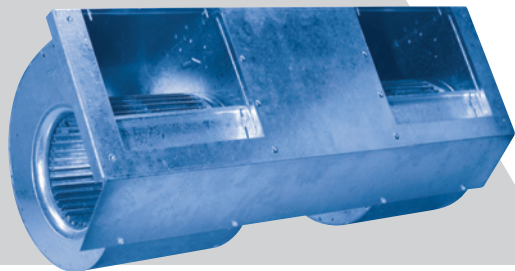
### **Torin Industries (Malaysia) Sdn Bhd**

6536A Jalan Bukit Kemuning  
Batu 6, Seksyen 34, 40470  
Shah Alam Selangor

Telephone 60 3 5124 6157  
Facsimile 60 3 5121 1467  
Email [sales@torin.com.au](mailto:sales@torin.com.au)

[www.torin.com.au](http://www.torin.com.au)

# Fan Decks



## Description

This type of blower unit is direct drive with forward curved wheels mounted directly to the motor shaft. The blower deck has twin housings. Located on each side of the motor. The preferred product range, has these housings and the motor mounted to a base tray.

The direct drive fan decks can have either 'C', or 'G' type wheels depending on the size of the unit.

DXC product styles use the 'C' type wheels. They have individual blades that use a centre locking arrangement, for the 241 millimetre diameter unit.

DXG product styles use the 'G' type wheels. These are a plastic wheel available in the 82mm or larger 203 mm, 241 mm and 270 mm diameter.

A range of motors are available to cover airflows up to 2200l/s.

The larger direct drive fan decks are equipped with 4 pole, 3 speed motors. Where applicable an appropriate size capacitor is fitted to give the desired performance.

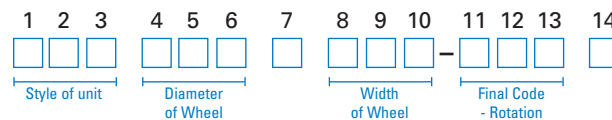
All motors have thermal overload protection and insulation that conforms to class B requirements.

All performance testing of blower assemblies is carried out on an airflow test rig designed to BS848 specifications which detail performance testing using standardized airways.

Standard Tests are carried out in non-ducted or Type 'A' installation.

## Part Number Selection Chart

### Basic Outline of Code



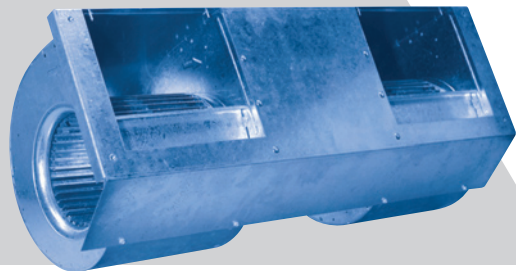
### Details of Code

1	<input type="text"/>	<b>Type of Drive</b>	D = Direct				
2	<input type="text"/>	<b>Configuration</b>	X = Twin housings double inlet				
3	<input type="text"/>	<b>Wheel Type</b>	A - louvre strip (R) C - inserted blade (CL) G - plastic				
4	<input type="text"/>	5	<input type="text"/>	6	<input type="text"/>	<b>Wheel Diameter</b>	In millimeters
7	<input type="text"/>	<b>Housing</b>	Dash = Standard housing T = Tight housing				
8	<input type="text"/>	9	<input type="text"/>	10	<input type="text"/>	<b>Wheel Width</b>	In millimeters
11	<input type="text"/>	12	<input type="text"/>	13	<input type="text"/>	<b>Final Code</b>	Always an odd number
14	<input type="text"/>	<b>Capacitor</b>	Blank = fixed value capacitor supplied C = different value capacitors available request value of capacitor required				

**Example of Code: DXG203T203-401C  
DXG203-203-441C**

# Fan Decks

203mm Diameter - 203mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

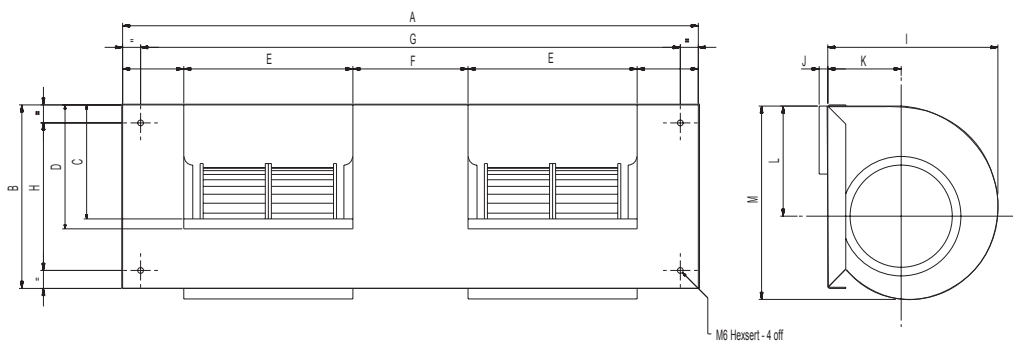
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG203T203-401</b>	813	308	161	175	250	210	762	257	267	25	127	178	303

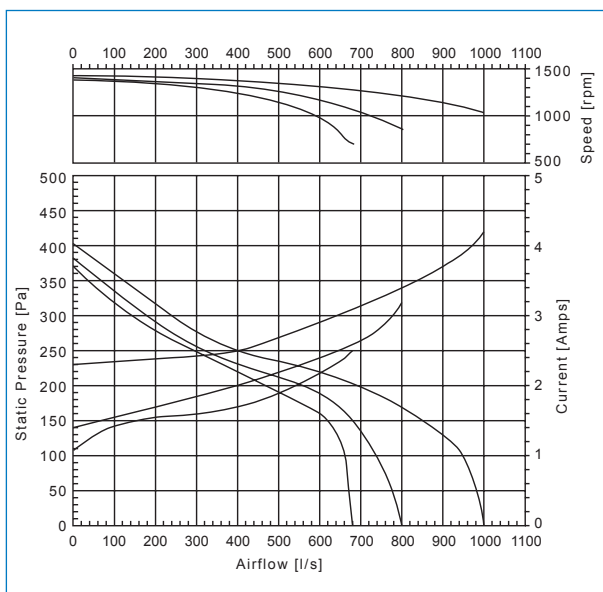


<b>UNIT WEIGHT (KG)</b>	15.5
<b>MOTOR PART #</b>	40P5134-315TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	315
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1300
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1300
<b>CONNECTORS</b>	F

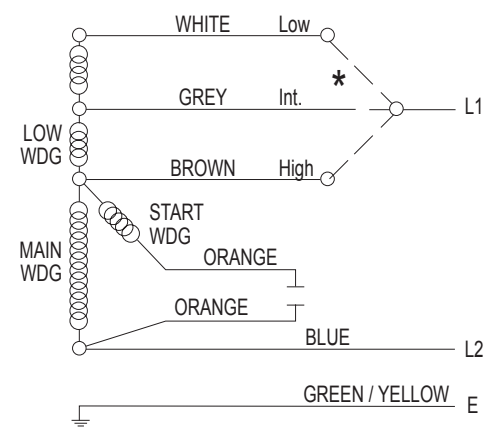
**B:** Bootlace **E:** Eyelet

**F:** Flag Terminal + Insulator on Capacitor Lead

## Performance Graphs



## Wiring Diagram



[www.torin.com.au](http://www.torin.com.au)

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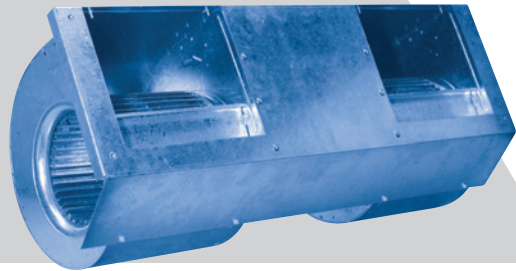
6536A Jalan Bukit Kemuning  
Batu 6, Seksyen 34, 40470  
Shah Alam Selangor

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60 3 5124 6157  
60 3 5121 1467  
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# Fan Decks

203mm Diameter - 203mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

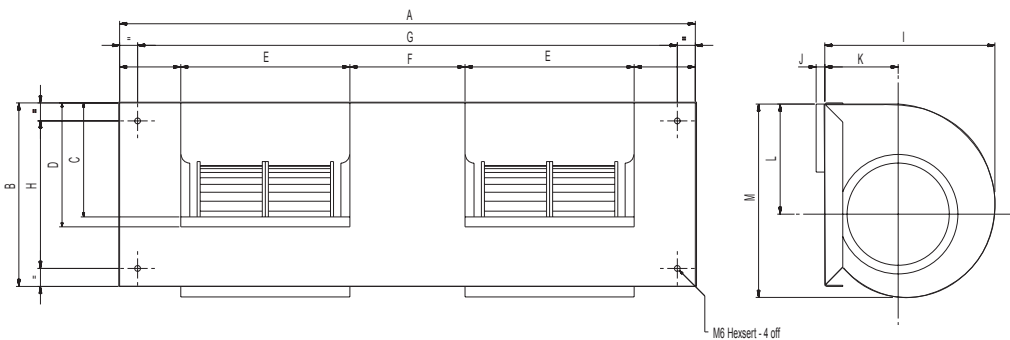
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG203-203-401</b>	813	308	161	175	250	210	762	257	280	25	127	185	320

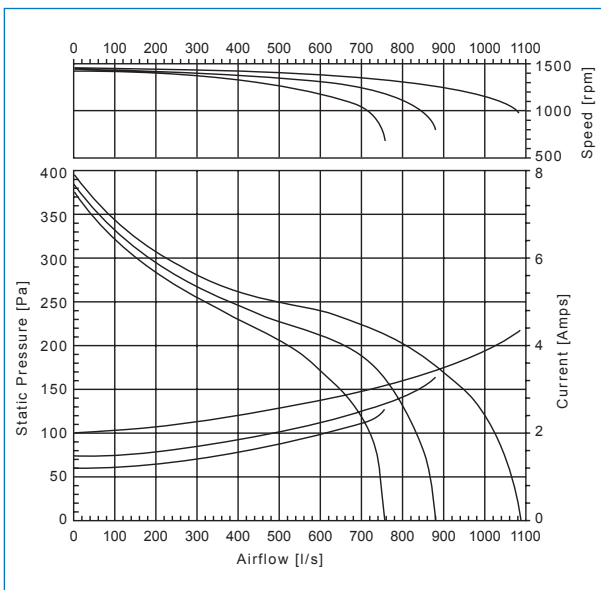


<b>UNIT WEIGHT (KG)</b>	16.0
<b>MOTOR PART #</b>	40P5134-315TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	315
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1300
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1300
<b>CONNECTORS</b>	F

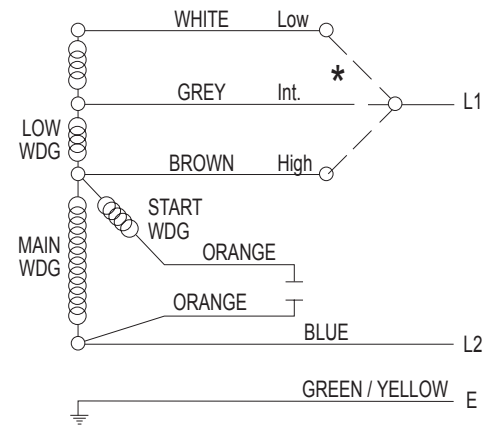
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**F:** Flag Terminal + Insulator on Capacitor Lead

## Performance Graphs



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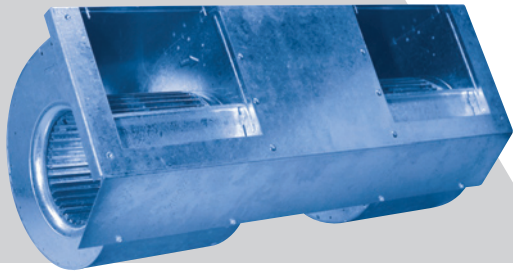
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# Fan Decks

203mm Diameter - 203mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

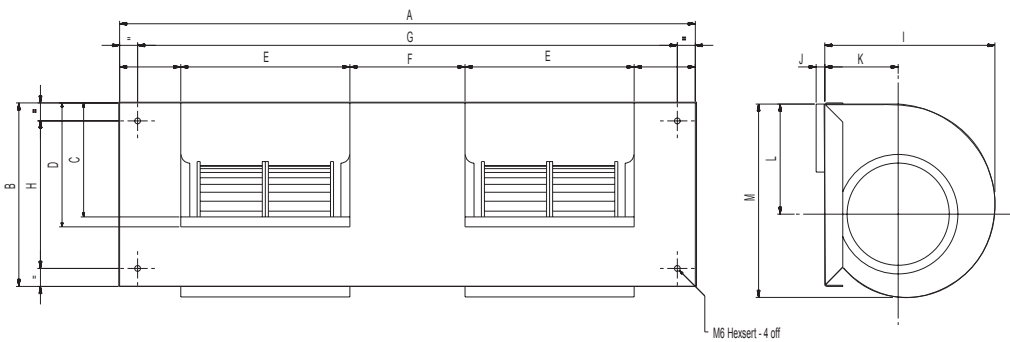
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG203-203-441</b>	813	308	161	175	250	210	762	257	280	25	127	185	320

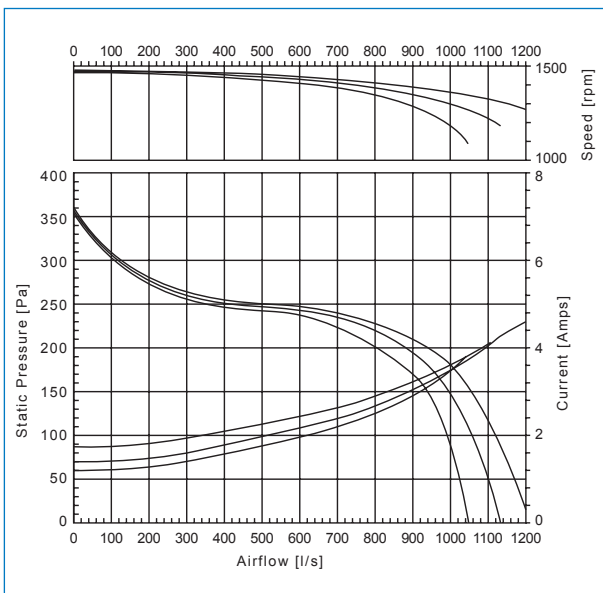


<b>UNIT WEIGHT (KG)</b>	18.0
<b>MOTOR PART #</b>	40P5134-600TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	600
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1000
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1000
<b>CONNECTORS</b>	F

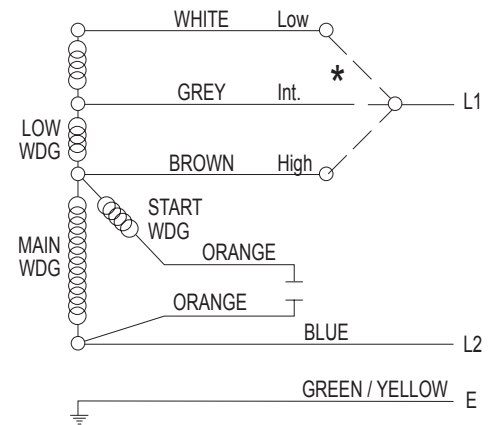
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## Performance Graphs



## Wiring Diagram



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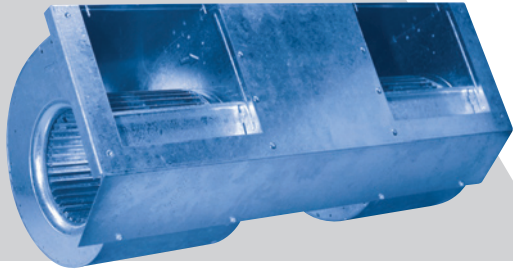
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# Fan Decks

241mm Diameter - 181mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

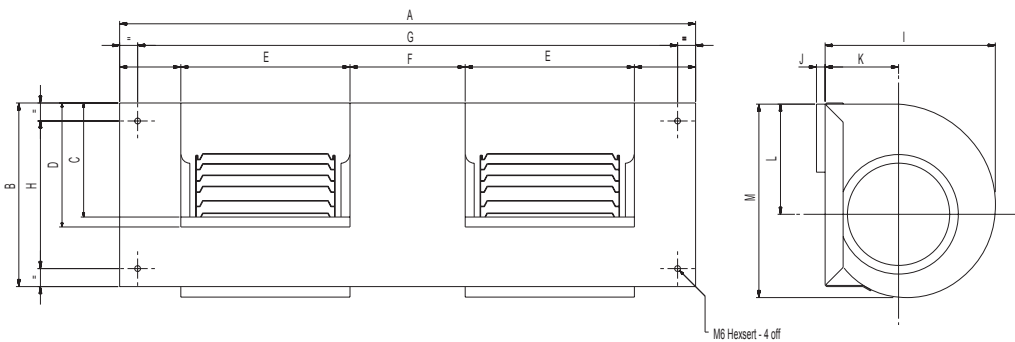
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241T181-441</b>	813	308	165	175	234	239	762	257	325	-	160	185	327

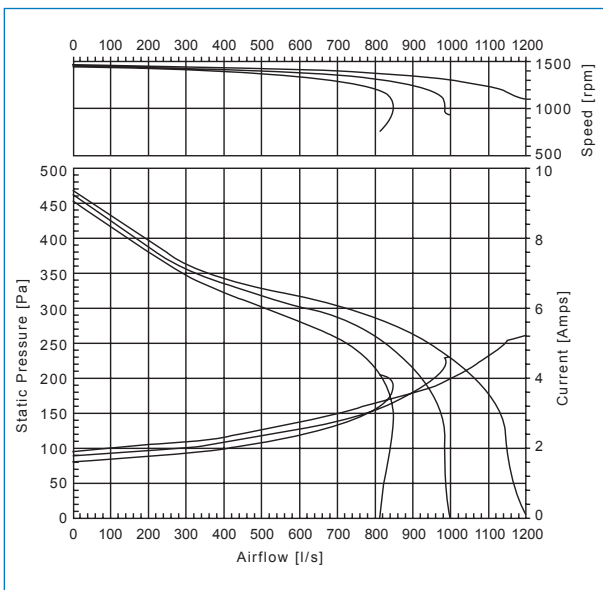


<b>UNIT WEIGHT (KG)</b>	22.0
<b>MOTOR PART #</b>	40P5134-600TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	600
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1000
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1000
<b>CONNECTORS</b>	F

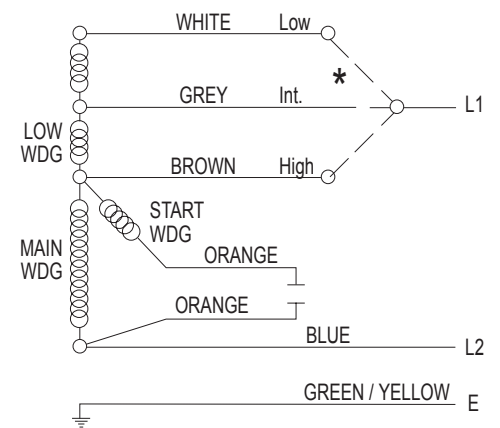
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## Performance Graph



## Wiring Diagram



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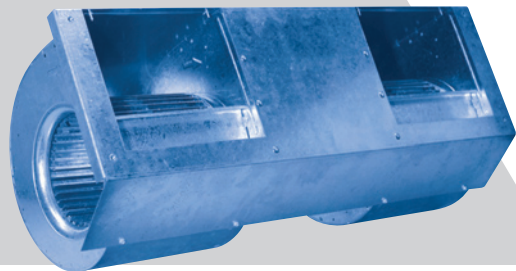
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# Fan Decks

241mm Diameter - 181mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

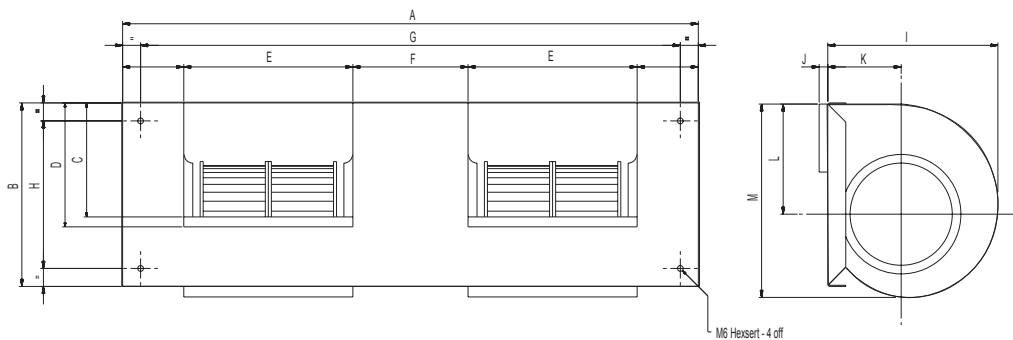
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241-181-441</b>	810	300	185	195	234	228	762	258	380	-	185	220	392

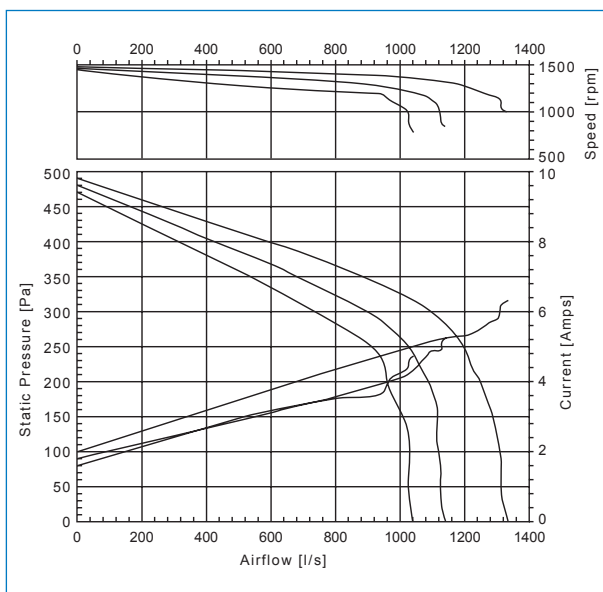


<b>UNIT WEIGHT (KG)</b>	22.0
<b>MOTOR PART #</b>	40P5134-600TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	600
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1000
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1000
<b>CONNECTORS</b>	F

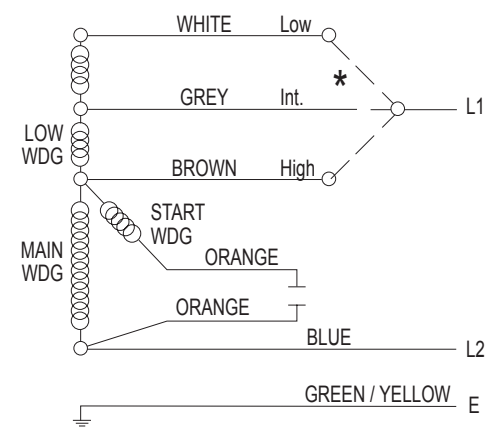
**B:** Bootlace **E:** Eyelet

**F:** Flag Terminal + Insulator on Capacitor Lead

## Performance Graphs



## Wiring Diagram



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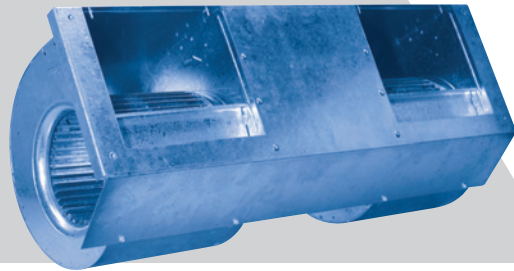
6536A Jalan Bukit Kemuning  
Batu 6, Seksyen 34, 40470  
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Telephone  
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60 3 5124 6157  
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# Fan Decks

241mm Diameter - 181mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

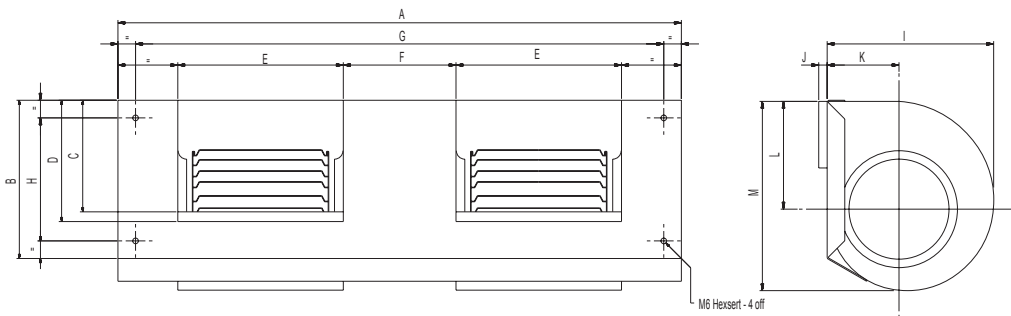
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241-181-521</b>	810	300	185	195	234	228	762	257	380	-	185	220	392

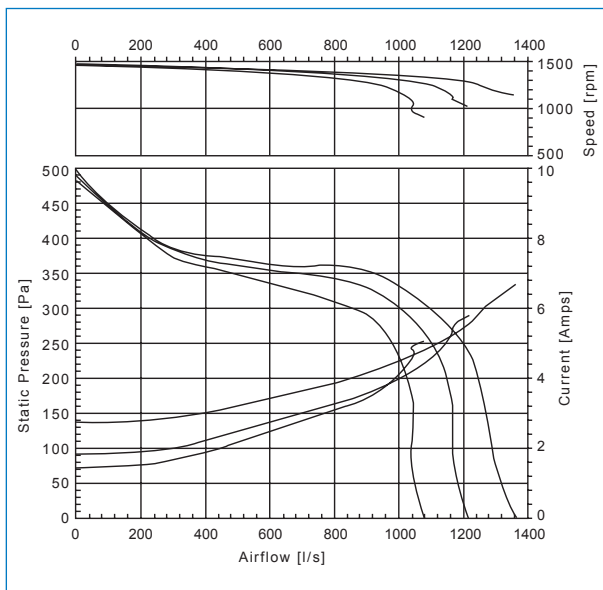


<b>UNIT WEIGHT (KG)</b>	23.0
<b>MOTOR PART #</b>	40P5134-750TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	750
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1100
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1100
<b>CONNECTORS</b>	F

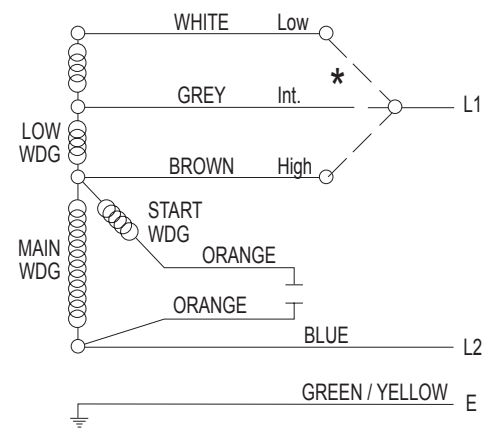
**B:** Bootlace **E:** Eyelet

**F:** Flag Terminal + Insulator on Capacitor Lead

## Performance Graph



## Wiring Diagram



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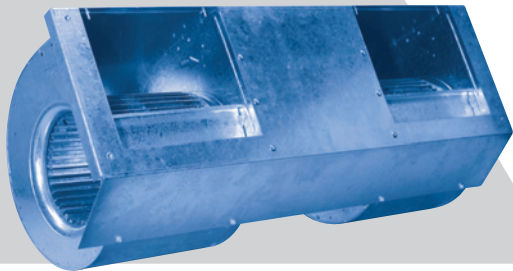
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60 3 5124 6157  
60 3 5121 1467  
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# Fan Decks

241mm Diameter - 181mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

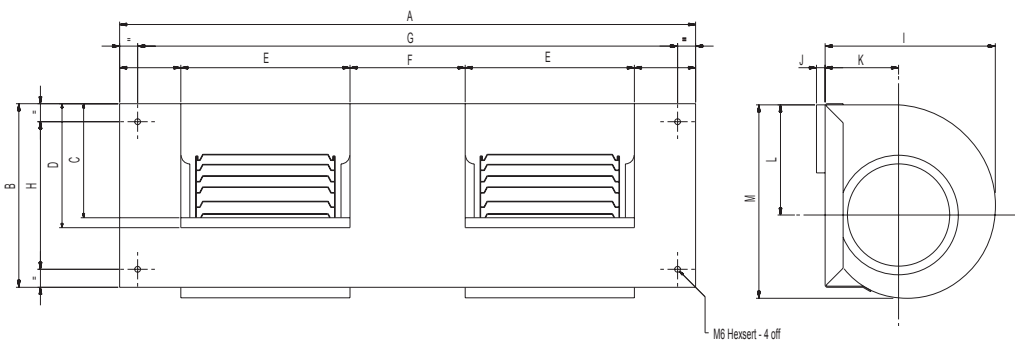
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241T181-521</b>	813	308	165	175	234	239	762	257	325	-	160	185	327

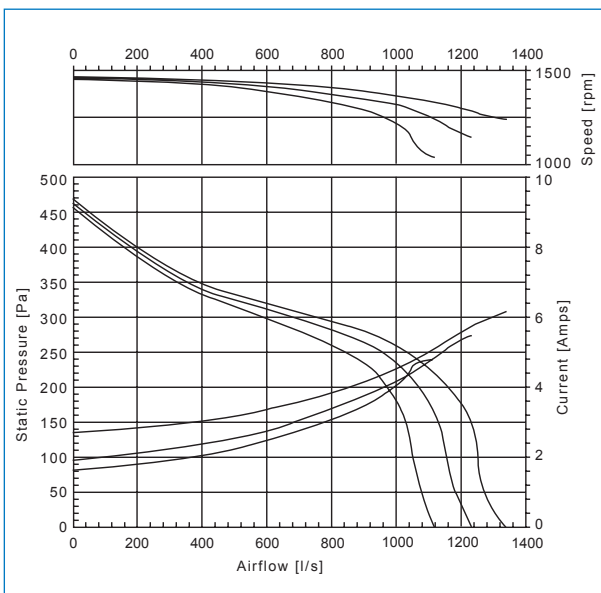


<b>UNIT WEIGHT (KG)</b>	22.0
<b>MOTOR PART #</b>	40P5134-750TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	750
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1100
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1100
<b>CONNECTORS</b>	F

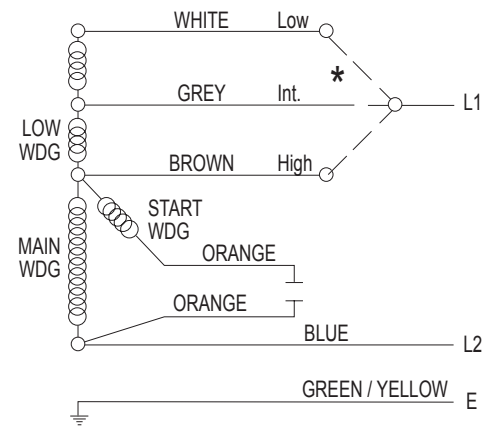
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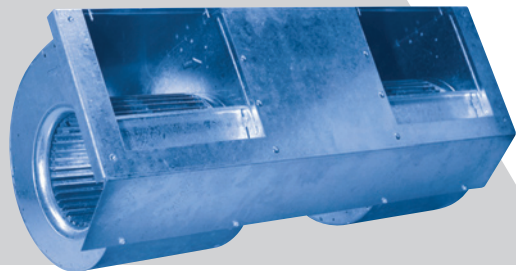
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# Fan Decks

241mm Diameter - 241mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

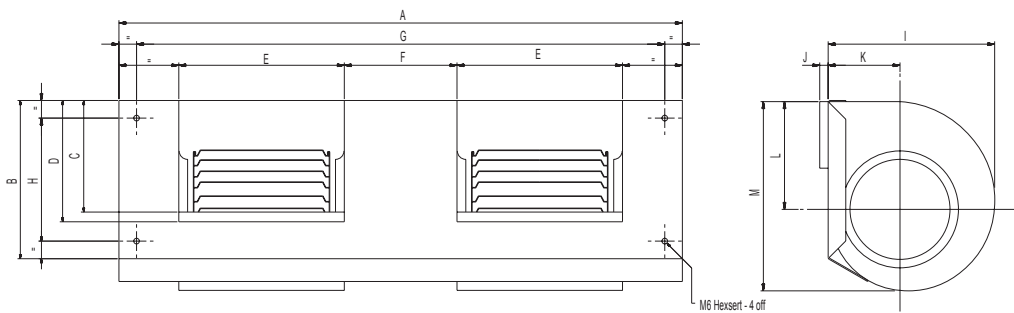
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241-241-521</b>	900	300	185	195	300	228	870	257	380	-	185	220	392

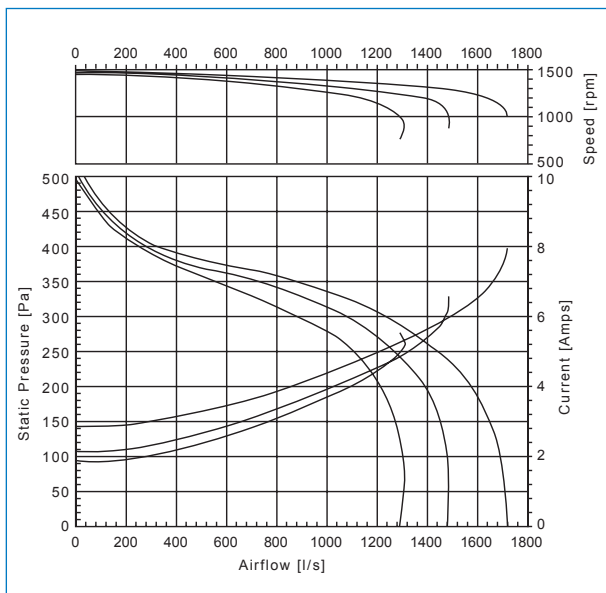


<b>UNIT WEIGHT (KG)</b>	25.5
<b>MOTOR PART #</b>	40P5134-750TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	750
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1100
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1100
<b>CONNECTORS</b>	F

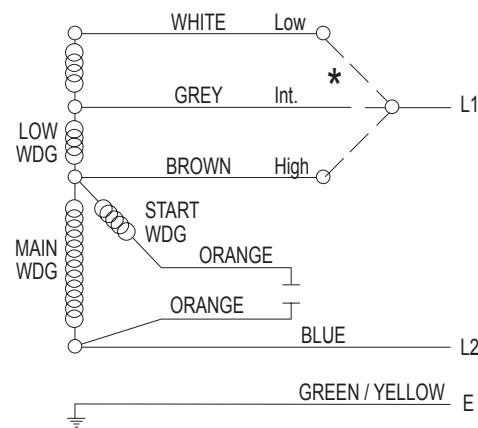
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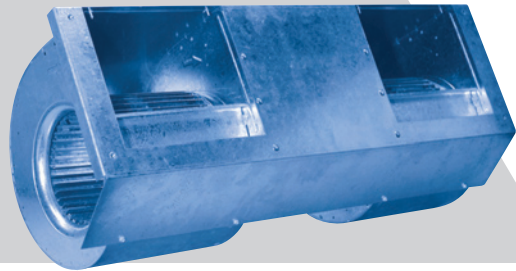
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# Fan Decks

241mm Diameter - 241mm Width



## Housing

G2 Galvabond Steel Z275

## Motor

240 volts 50 Hz

4 Pole 3 Speed Ball Bearings

Class B Insulation

Automatic Thermal Overload Protection

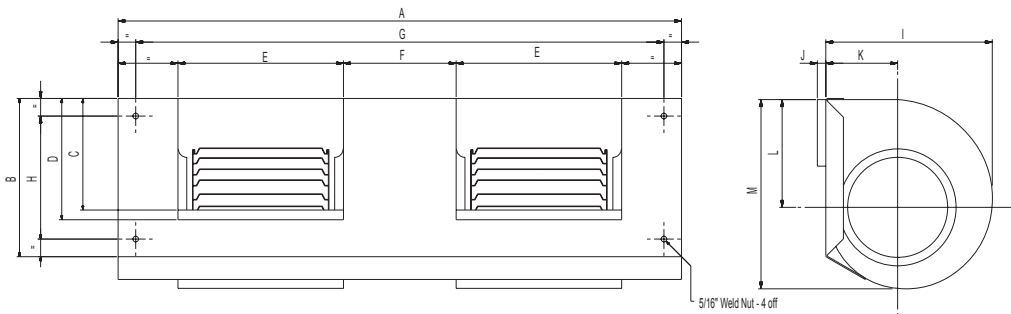
## Wheels

Polypropylene



## Dimensions

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>DXG241-241-541</b>	1040	304	185	195	300	338	990	250	380	-	185	220	392

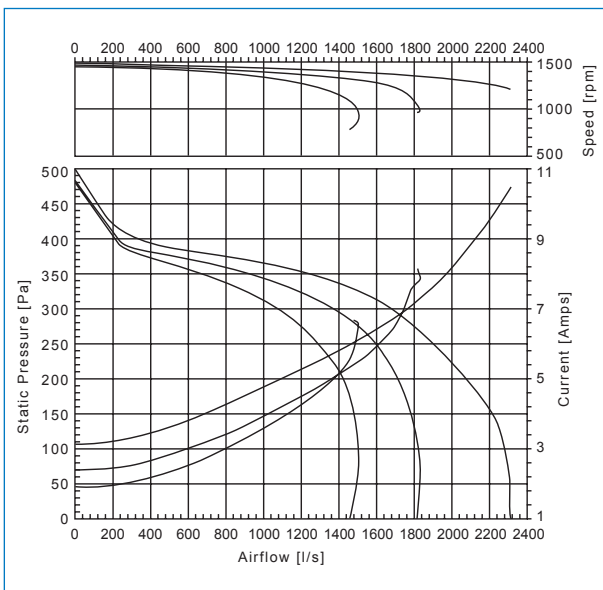


<b>UNIT WEIGHT (KG)</b>	37.0
<b>MOTOR PART #</b>	40P5134-1100TA
<b>PHASE / TYPE</b>	1ph CSR
<b>WATTS OUTPUT</b>	1100
<b>VENTING</b>	Fully
<b>MAIN LEAD</b>	1500
<b>CONNECTORS</b>	B and E on earth
<b>CAPACITOR LEAD</b>	1500
<b>CONNECTORS</b>	F

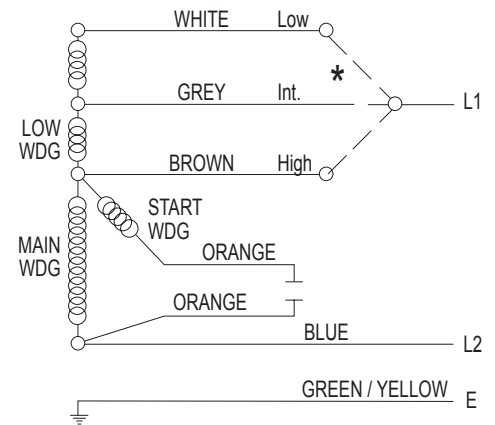
**B:** Bootlace **E:** Eyelet

**F:** Flag Terminal + Insulator on Capacitor Lead

## Performance Graph



## Wiring Diagram



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Photos and drawings may not be a correct representation of all products. October 2004

**Torin Industries Pty Ltd**

60 Lancaster Street  
Ingleburn NSW 2565  
Australia

Telephone  
Facsimile  
Email

61 2 9605 000  
61 2 9605 0001  
sales@torin.com.au

**Torin Industries (Malaysia) Sdn Bhd**

6536A Jalan Bukit Kemuning  
Batu 6, Seksyen 34, 40470  
Shah Alam Selangor

Telephone  
Facsimile  
Email

60 3 5124 6157  
60 3 5121 1467  
sales@torin.com.au