DIRECT DRIVE BLOWERS

DDC SERIES - STEEL WHEEL
DDG SERIES - PLASTIC WHEEL

INTRODUCTION

DESCRIPTION

This type of blower unit is direct drive with a forward curve wheel, mounted directly to the motor shaft. Double inlet allows it to draw air in from both sides of the unit, cooling the motor in the process, the motor is mounted in the airflow on one side of the unit.

The direct drive blowers can have either a 'C' or 'G' type wheel depending on the size of the unit.

DDC product styles use the 'C' type wheels. They have individual blades that use a centre disc locking arrangement, for the 241mm or 270mm diameters.

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

A range of motors are available to cover airflows up to 1300 l/sec.

The larger direct drive blowers are equipped with either 4 or 6 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 a non-ducted discharge or Type 'A' installation.

PART NUMBER IDENTIFICATION

When placing an order, the blower product code should be specified. The product code of the blower is composed in accordance with the following example:

D	D	C	2 4 1	-	1 8 1	-	2 0 0
1	2	3	4 - 6	7	8 - 10		11-13	14

POSITION 1

Type of drive

D = Direct

POSITION 2

Configuration

D = Double inlet

POSITION 3

Wheel type

C = Steel

G = Plastic polypropylene

POSITIONS 4 TO 6

Wheel diameter

In millimeters

POSITION 7

Housing

DASH = Standard housing

T = Tight housing

POSITIONS 8 TO 10

Wheel width

In millimeters

POSITIONS 11 TO 13

Wheel rotation

ODD NUMBERS = Clockwise rotation

EVEN NUMBERS = Anti-clockwise rotation

View rotation from drive side

POSITION 14

Capacitor

BLANK = Fixed value capacitor supplied

Code examples: DDC241T181-200
DDG241-181-200

DIRECT DRIVE BLOWERS
241MM DIAMETER • 181MM WIDTH, TIGHT HOUSING

HVAConline.com.au

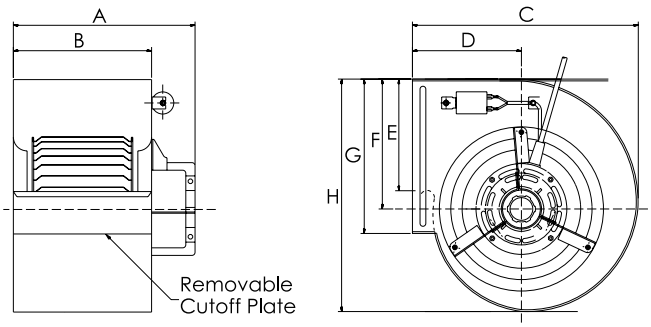
HOUSING
G2 Galvabond®* Steel Z275

MOTOR
240 volts, 50Hz, 1ph C.S.R.
Class B Insulation
Automatic Thermal Overload Protection

WHEEL
Steel

DIMENSIONS

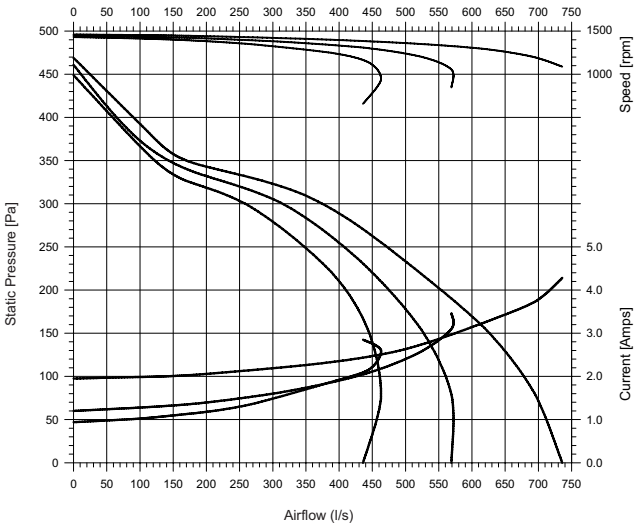
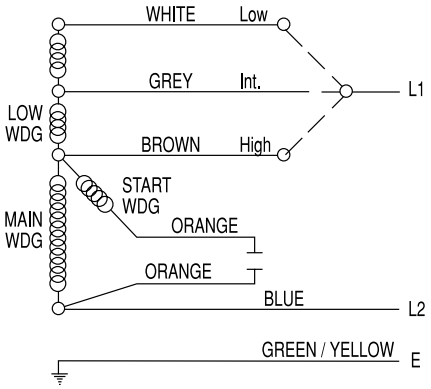
	A	B	C	D	E	F	G	H
DDC241T181-202	309	234	325	160	160	186	262	327



Motor	808555NVA-A11
Poles	4
Speeds	3
Watts Out	315
Bearings	Ball
Venting	Fully
Main Lead	1300
Connectors	B and E on earth
Capacitor Size	4 MFD
Capacitor Lead	1300
Connectors	F
Weight (kg)	11.0
Housing Support Brackets	KH054-241

B: Bootlace
E: Eyelet
F: Flag Terminals with Insulators

PERFORMANCE GRAPH



WIRING DIAGRAM