DELHI

SDUB Series

Upblast Spun
Aluminum Exhausters
SDUB Direct Drive Series

Providers of Air Movement Solutions

SDUB Series - Direct Drive Exhausters

Features

- Heavy duty construction, durable and weather resistant
- Non-overloading backward inclined wheels, blades and inlets fabricated from 3003-H14 aluminum
- Wall mount applications; units up to 24" nominal wheel can be wall mounted
- Base Hinging Kit or Hinged Sub Base
- Variable speed motor control
- External disconnect switch
- Fully welded leak proof grease drain
- Quick release latches for easy motor access
- Optional grease collection box
- ETL listed for compliance with UL 705 & UL 762 standards
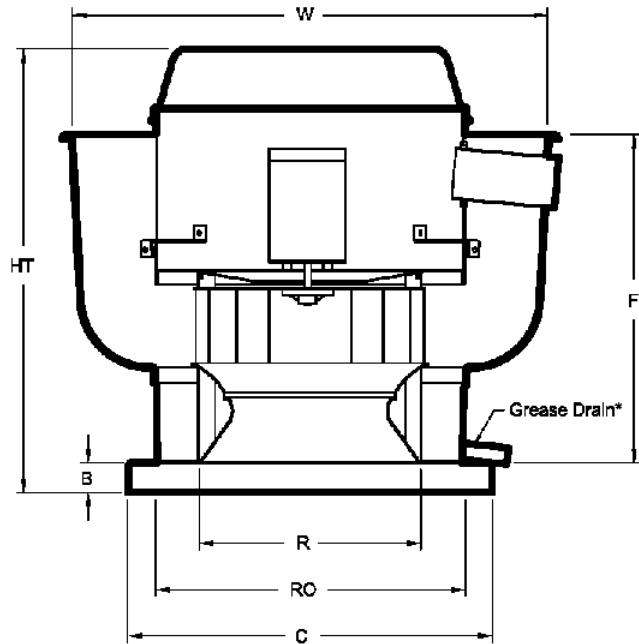
Dimensions (inches)

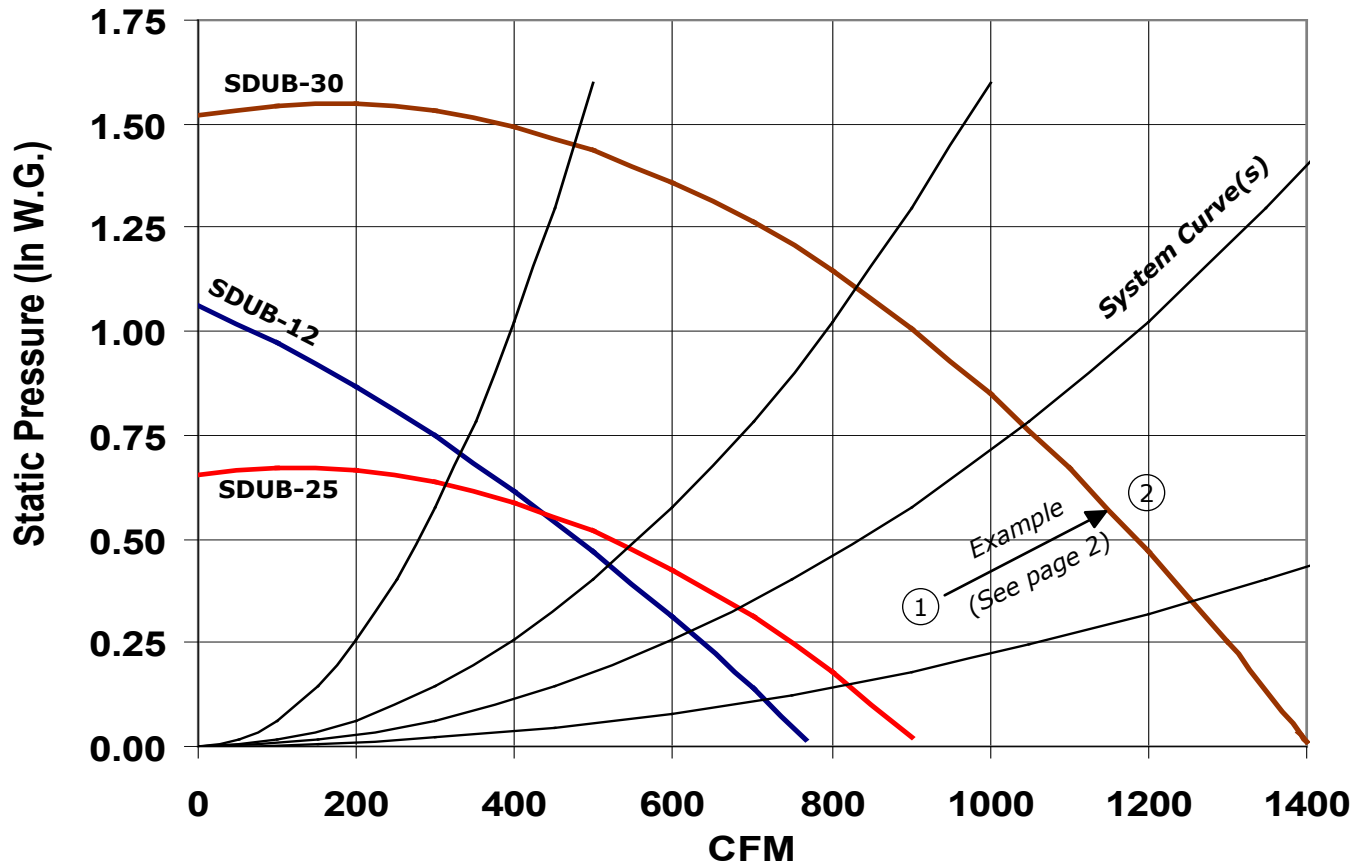| Model	Wheel Dia.	HT	W	B	C	R	RO	Shaft Dia.	Motor HP	Wt. (lbs.)
SDUB-12	10-1/2	18	22	2	19	10-5/8	15-1/2	- -	0.14	40
SDUB-25	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	- -	0.25	50
SDUB-30	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	- -	0.25	50
SDUB-33	11-3/4	24-3/4	25-1/2	1-1/2	21	12-1/8	17-1/2	- -	0.33	50
SDUB-50	13-3/4	26-3/4	28-7/8	1-1/2	21	13-1/4	17-1/2	- -	0.50	55
SDUB-75	15-3/4	30-1/2	31-7/8	2	24-3/4	14-7/8	21	- -	0.75	60
SDUB-85	15-3/4	30-1/2	31-7/8	2	24-3/4	14-7/8	21	- -	0.75	60

How to select a Direct Drive Blower

1. Locate your system characteristics (CFM & SP) on the chart with the blower performance curves.
2. Move up the system curve to intersect the closest blower performance curve. That is the performance (CFM & SP) that the blower will provide at full speed.
3. Note the CFM.
4. The speed reduction required to operate at the desired CFM is 1 less the ratio of the full speed CFM to the desired CFM.

Example: Required 1000 CFM @ 0.375 in. W.G. (ref. SDUB-12 to SDUB-30 curves - p.3)

1. Locate 1000 CFM @ 0.375 in. W.G. on the chart (pt.1)
2. Move up the chart , parallel to the system curves (follow the arrow), to intersect the 1st blower curve (SDUB-30) The intersection point, (pt.2), 1175 cfm @ 0.54 in W.G. is the performance that the SDUB-30 will deliver at full RPM.
3. To deliver the desired 1000 CFM, using the speed controller, reduce the RPM to attain the required 1000 CFM. In this case the required reduction is 1-(required CFM / full speed CFM) = 1- (1000/1175) = 15%

SDUB-12, SDUB-25 & SDUB-30

Chart: Static Pressure (In W.G.) vs CFM for SDUB-30, SDUB-12, and SDUB-25. System Curve(s) shown. Example (See page 2), points ① and ②.

SDUB-33, SDUB-50, SDUB-75 & SDUB-85

Chart: Static Pressure (In. W.G.) vs CFM for SDUB-85, SDUB-50, SDUB-33, and SDUB-75. System Curve(s) shown.