

DELHI INDUSTRIES INC.

FloAire

**Centrifugal, Roof Mounted
Upblast
Aluminum Exhausters**



**DU Series
Direct Drive**

Models DU12H thru DU85H are ETL Listed and comply with UL705 (electrical) Standard, CSA Std C22.2 No. 113 and UL762 Power Roof Ventilators for Restaurant Exhaust Appliances



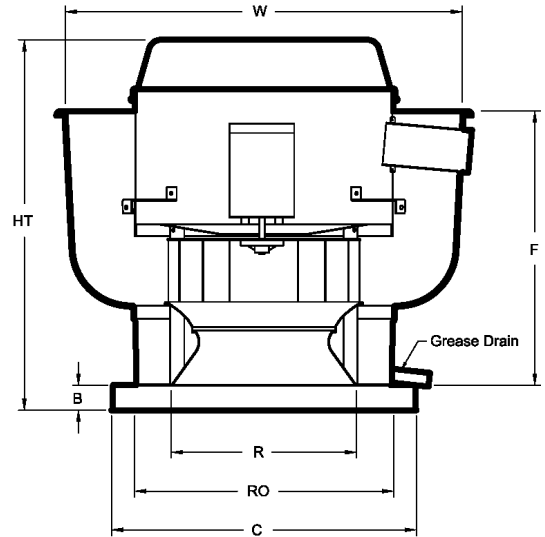
**BDU Series
Belt Drive**

Models BDU13 thru BDU30 are ETL Listed and comply with UL705 (electrical) Standard, CSA Std C22.2 No. 113 and UL762 Power Roof Ventilators for Restaurant Exhaust Appliances

DU Series - Direct Drive Exhausters

Features:

- Variable speed motor control
- External disconnect switch
- Suitable for wall mounting
- 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



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

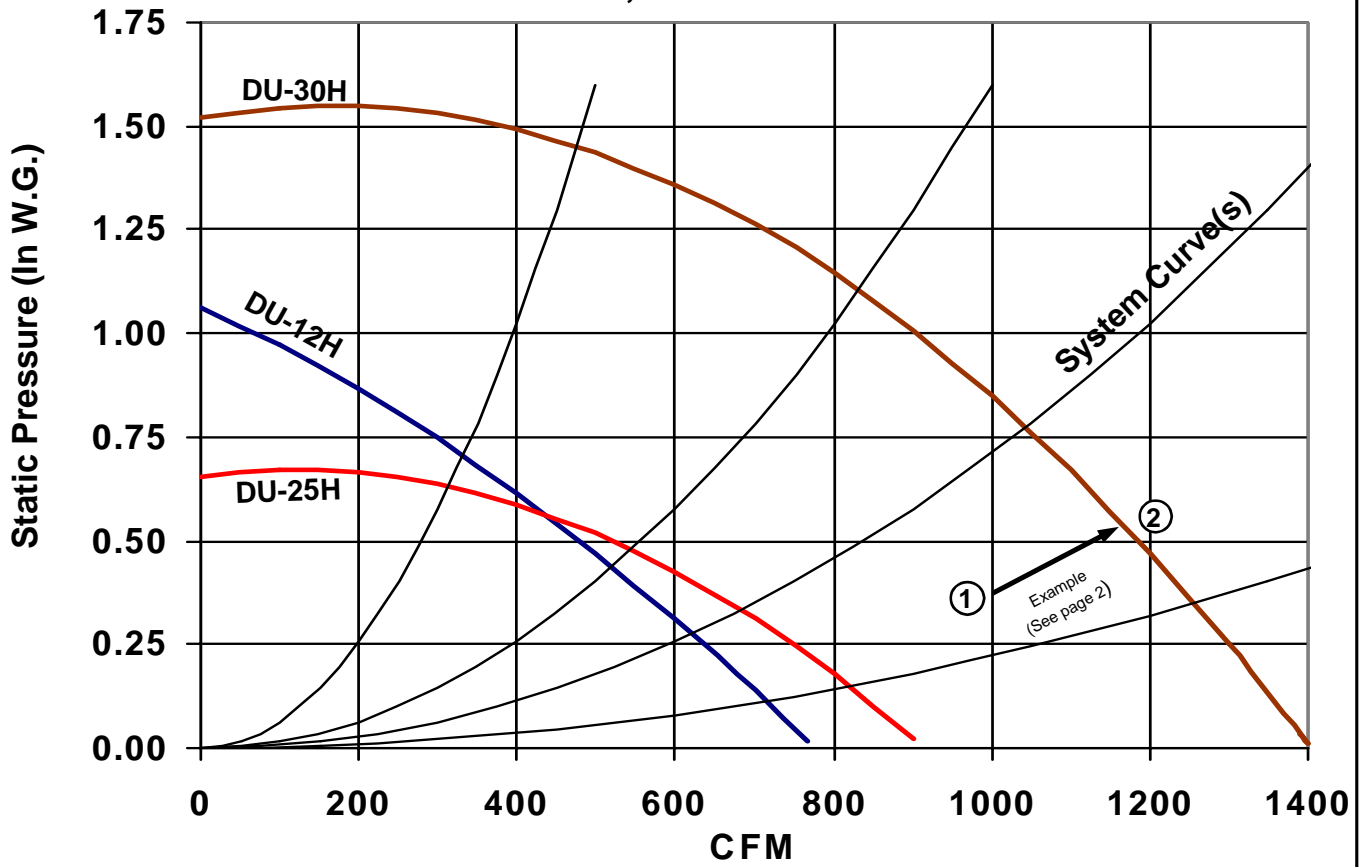
How to select a Direct Drive Blower

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.

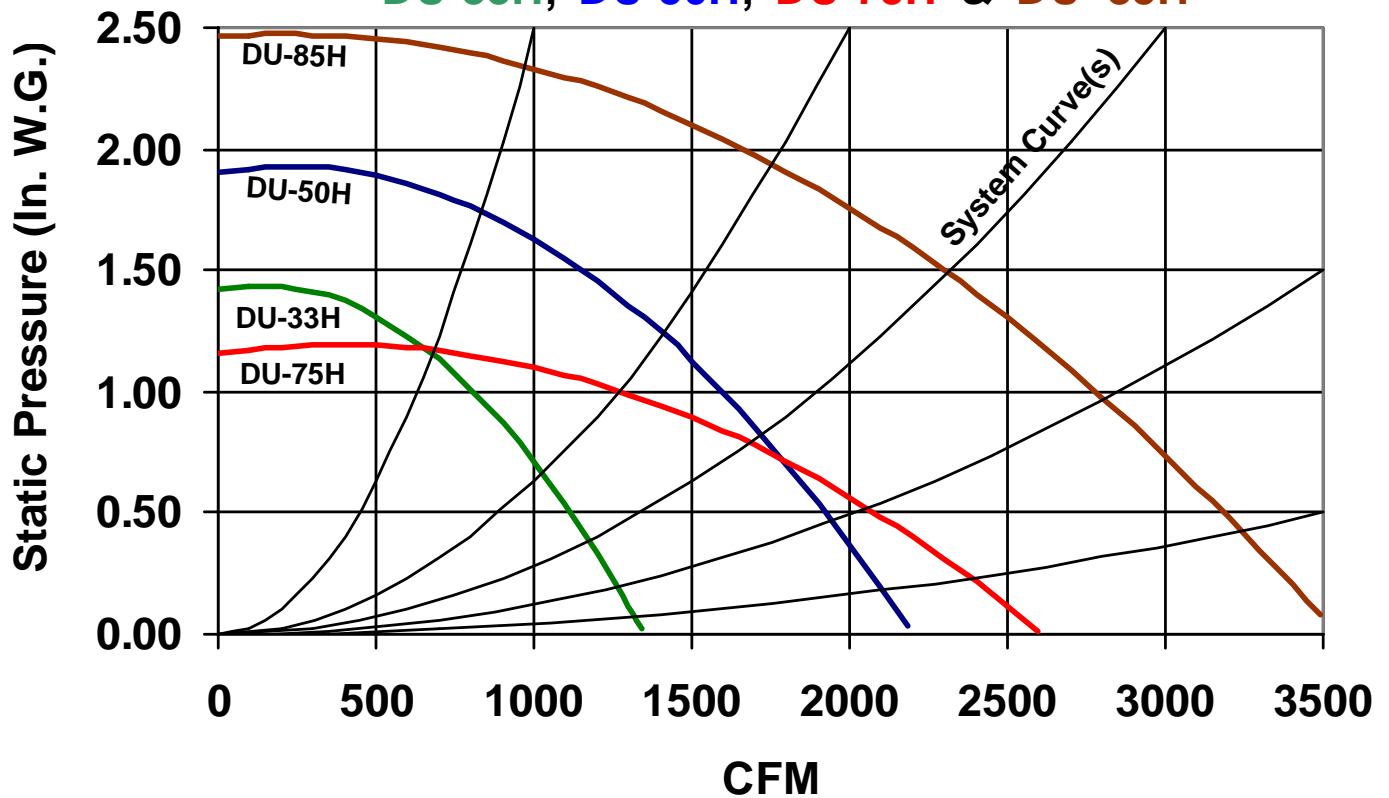
Example: Required 1000 CFM @ 0.375 in. W.G. (ref. DU12H to DU-30H curves - p.3)

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 (DU-30H) The intersection point, (pt.2), 1175 cfm @ 0.54 in W.G. is the performance that the DU-30H 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 $1 - (\text{required CFM} / \text{full speed CFM}) = 1 - (1000/1175) = 15\%$

DU-12H, DU-25H & DU-30H



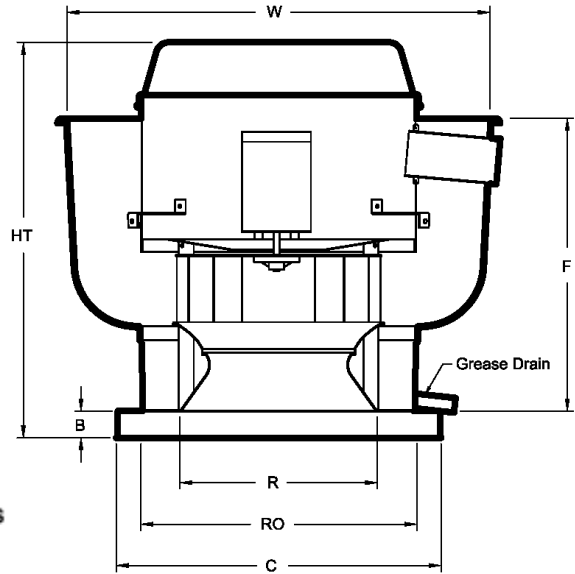
DU-33H, DU-50H, DU-75H & DU-85H



BDU Series - Belt Drive Exhausters

Features:

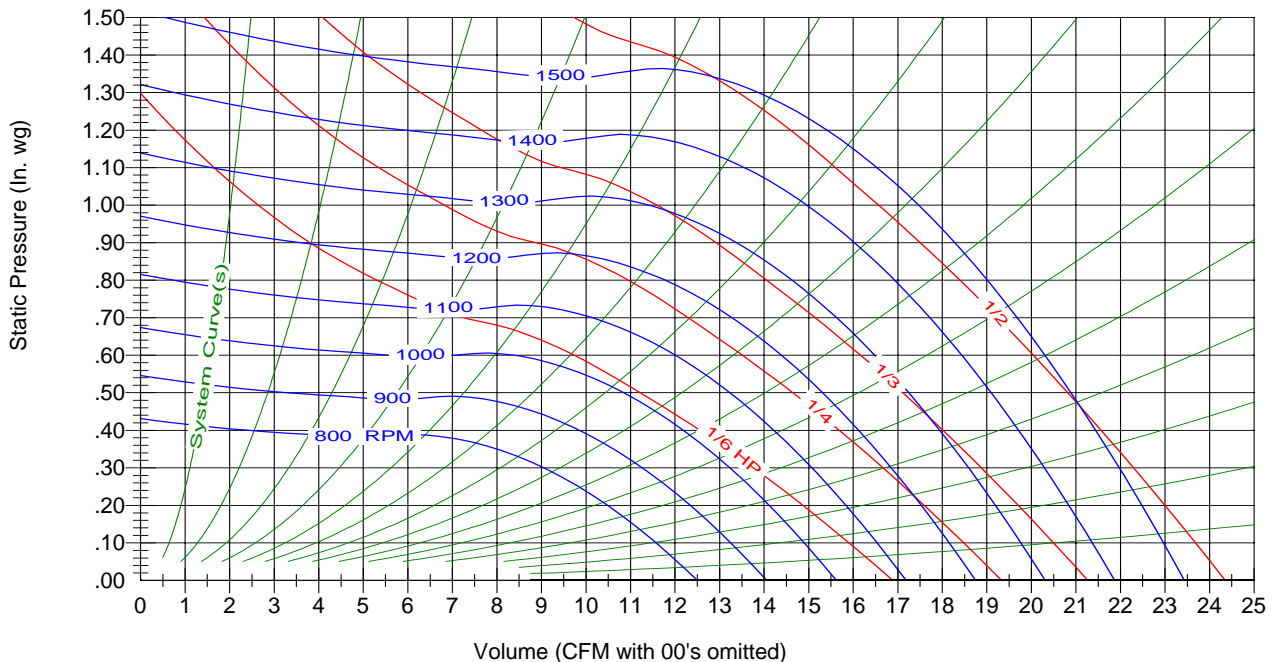
- External disconnect switch box
- Suitable for wall mount applications (up to BDU-24 - max 2HP)
- Quick release latches for easy access to motor.
- Fully welded leak proof grease drain
- Optional grease collection box
- ETL listed for compliance with UL 705 and UL762 standards



Model	HT	W	B	C	R	RO	Shaft Dia.	Wt. (lbs)
BDU-13	27-1/4	30-1/4	2	21	13-1/4	16	3/4	120
BDU-15	30-1/2	33-3/4	2	24-3/4	14-7/8	20	3/4	140
BDU-18	33-3/4	39-3/8	2	28	16-1/2	24	3/4	190
BDU-24	37-1/2	43-3/8	2	33	23-7/8	28	1	270
BDU-30	40	52-3/4	2	40	24	36	1-3/16	410

BDU-13 Max RPM - 1530

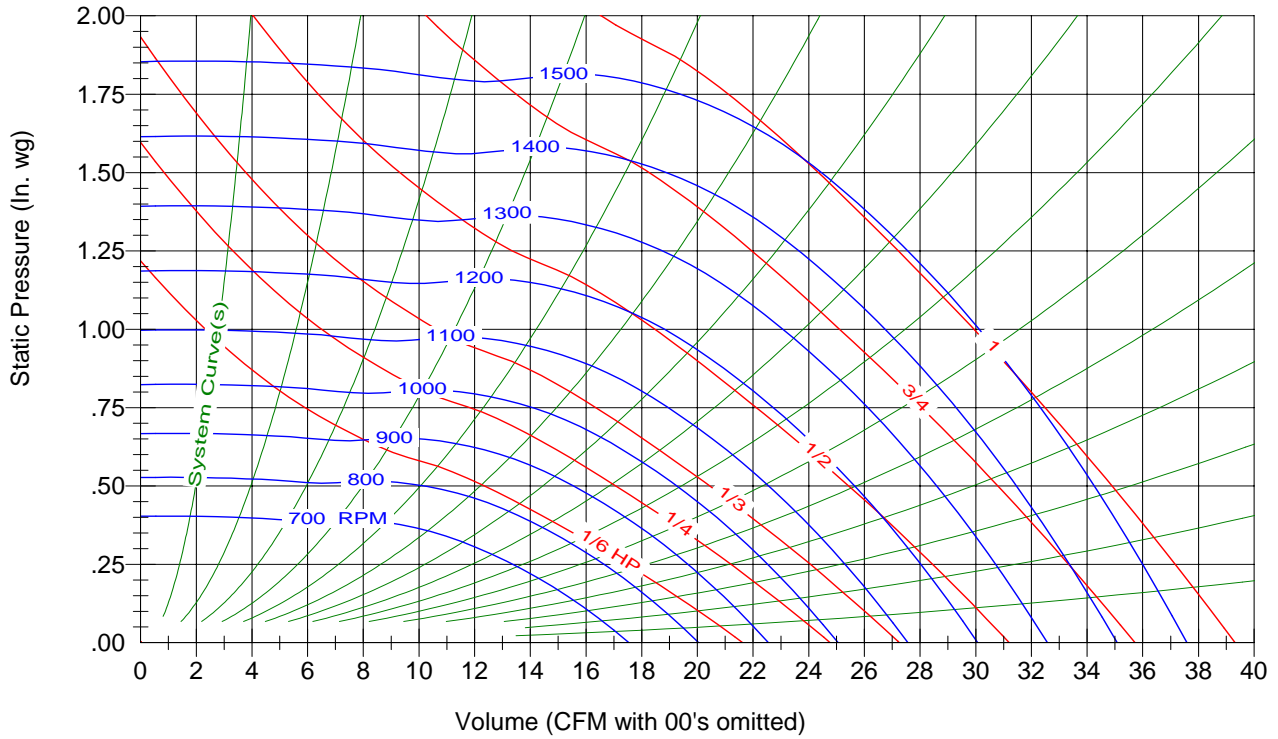
Motor - Max HP - 1/2, 56 Frame



Power rating bhp does not include transmission losses. Performance shown is for installation Type A: Free Inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories).

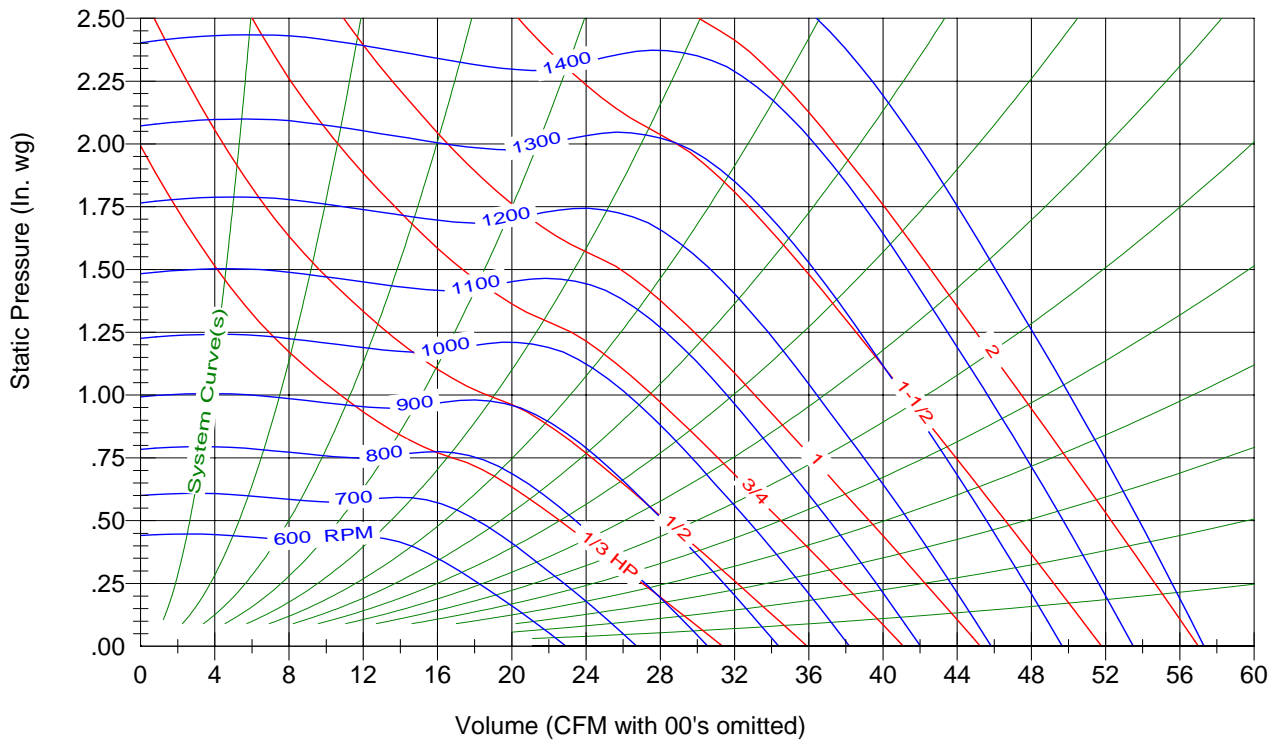
BDU-15 Max RPM - 1520

Motor - Max HP - 1.0, 145T Frame



BDU-18 Max RPM - 1440

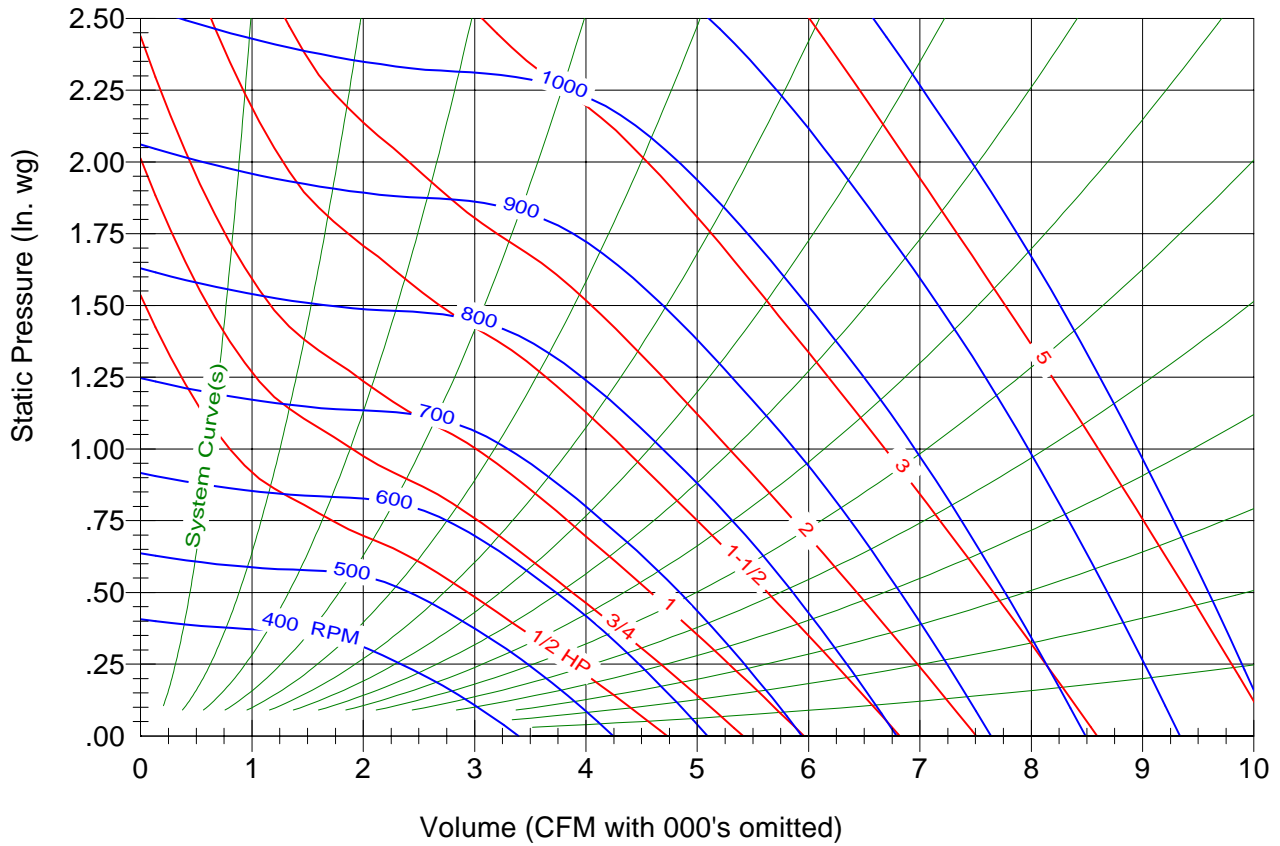
Motor - Max HP - 2.0, 145T Frame



Power rating bhp does not include transmission losses. Performance shown is for installation Type A: Free Inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories).

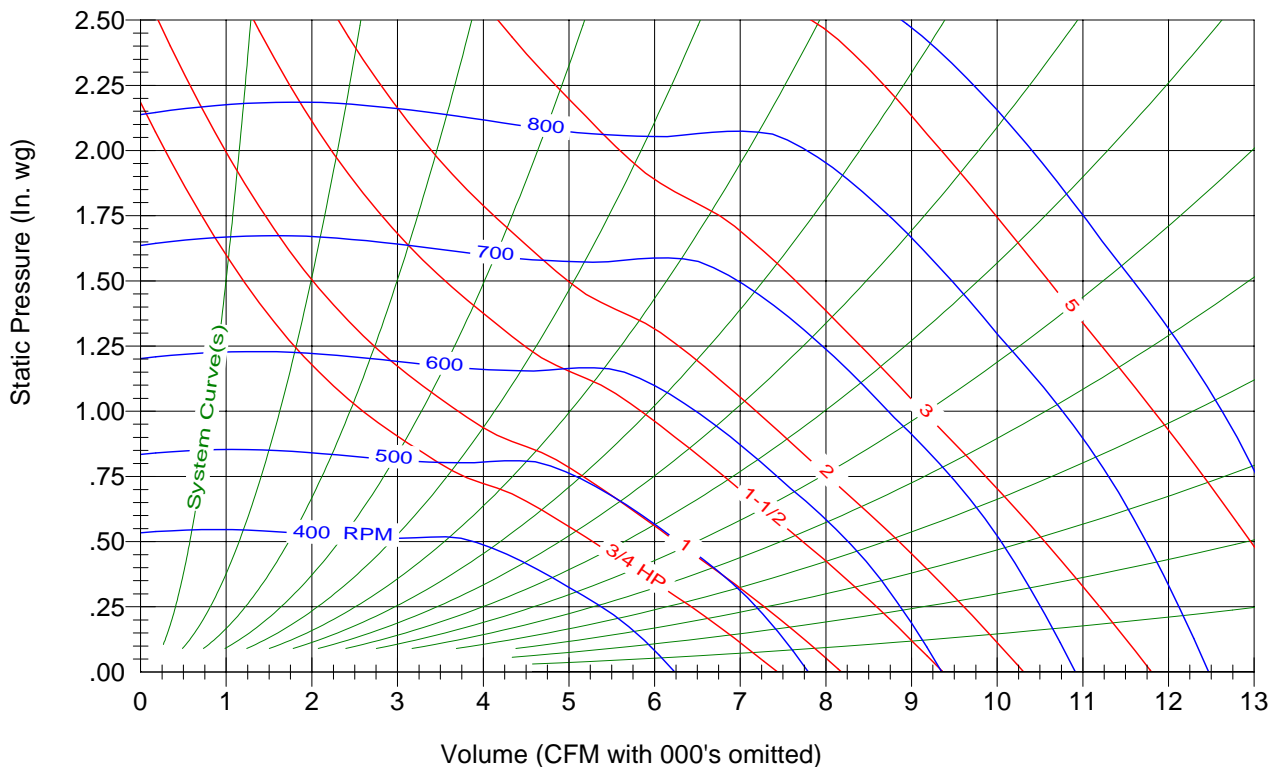
BDU-24 Max RPM - 1240

Motor - Max HP - 5.0, 182T Frame



BDU-30 Max RPM - 860

Motor - Max HP - 5.0, 182T Frame



Power rating bhp does not include transmission losses. Performance shown is for installation Type A: Free Inlet, Free Outlet. Performance ratings do not include the effects of appurtenances (accessories).

'BDU' Series		Model	BDU-13		BDU-15		BDU-18		BDU-24		BDU-30	
		Shaft Dia.	3/4"		3/4"		3/4"		1"		1-3/16"	
Drive Selection			Motor Frame (* With Motor Adapter Plate Supplied)									
RPM Range	Cast Iron Pulleys Browning-Woods-Maska		48	56	48	56	56 143T 145T	56 * 143T * 145T *	56 143T 145T	182T 184T	56 143T 145T	182T 184T
	Motor	Blower	'4L' Belt Size - Max 3/4 HP									
340 to 519	1VL34 8325 MVL34	AL104 AK104 MFAL104	---	---	---	---	---	---	4L400	---	4L420	---
427 to 652	1VL34 8325 MVL34	AL84 AK81 MFAL84	---	---	---	---	---	---	4L350	---	---	---
540 to 765	1VL40 8400 MVL40	AL84 AK81 MFAL84	---	---	---	---	---	4L340	4L320	4L360	---	---
575 to 878	1VL34 8325 MVL34	AL64 AK61 MFAL64	4L250	4L250	4L280	4L270	4L290	4L270	---	---	---	---
696 to 1062	1VL34 8325 MVL34	AL51 AK51 MFAL54	4L230	4L220	4L260	4L250	4L270	4L250	---	---	---	---
879 to 1245	1VL40 8400 MVL34	AL51 AK51 MFAL54	4L240	4L230	4L270	4L260	4L280	4L260	---	---	---	---
1135 to 1608	1VL40 8400 MVL40	AK41 AK44 MA40	4L220	4L210	4L250	4L240	4L260	4L240	---	---	---	---
			'B' Belt Size									
447 to 596	1VL34 8325 MVL34	BKH100 HB97T MBL97	---	---	---	---	---	---	---	---	B39	---
500 to 667	1VL34 8325 MVL34	BKH90 HB87T MBL87	---	---	---	---	---	---	B34	---	B37	B38
646 to 854	1VL44 8400 8400	BKH90 HB87T MBL87	---	---	---	---	---	---	B35	B33	---	B39
848 to 1121	1VL44 8400 8400	BKH70 HB67T MBL67	---	---	---	---	---	---	B31	B29	---	---
1005 to 1329	1VL44 8400 8400	BKH60 HB57T MBL57	---	---	---	---	B27	B25	---	---	---	---
1233 to 1631	1VL44 8400 8400	BKH50 HB47T MBL47	---	---	---	B24	B26	B24	---	---	---	---

Other DELHI Catalogues



Cat. #SS-31
Forward Curved
Duct Blowers



Cat. #SS-38
Heating & Cooling
Coils



Cat. #SS-43
Roof Mounted
Exhausters



Cat. #SS-32
Filtered Fresh Air
Supply Units



Cat. #SS-30
10" - 27"
Utility Blowers



Cat. #SS-37
30" - 36"
Utility Blowers



Cat. #SS-51
Aluminum
Exhausters



Cat. #SS-44
DWDI - BI
Blowers



Cat. #SS-49
7" - 36"
FC Blowers



Cat. #SS-48
Plenum
Fans



Cat. #SS-34
Replacement
Parts



Cat. #SS-45
Direct Drive
Utility Blowers



Cat. #SS-50
Backward Inclined
Inline Blowers

WARRANTY

Delhi Air Moving Products are guaranteed for a period of one year against manufacturing defects in material and workmanship when operating under normal conditions. Liability is limited to the replacement of defective parts. Labour and transportation costs are not included.

DELHI Industries Inc.
523 James St.
Delhi, Ontario
Canada N4B 2Z3
tel. (519) 582-2440
fax. (519) 582-0581
www.delhi-industries.com
e-mail: sales@delhi-industries.com

REPRESENTED BY:

CAT. #SS- 54 FEBRUARY 2006

Printed in Canada