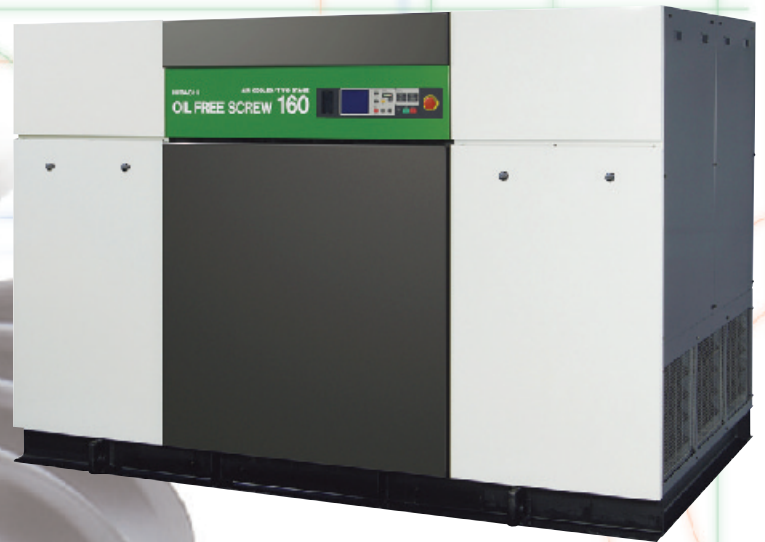


# Oil Free Rotary Air Compressors

**HITACHI**  
Inspire the Next

Fixed Speed Air Cooled Two Stage 175-300 HP (132-240kW)



795 – 1,413 ACFM / 110 psig (22.5 – 40.0 m<sup>3</sup>/min / 0.75MPa)

671 – 1,148 ACFM / 145 psig (19.0 – 32.5 m<sup>3</sup>/min / 1.00MPa)

## Innovation through Technology

### Purity of Air Compression

- PTFE-Free coatings ensure air purity. (Patent Japan P3740178)
- Stainless steel 1st and 2nd stage rotors eliminate possibility of corrosion and promote adhesion of coatings.

### Hi-Precooler (Patent USP 04929161)

- Stainless Hi-Precooler protects aluminum after cooler.
- Maximize thermal efficiency of the cooling system.

## Energy Efficiency

### Hitachi Innovative Design (Patent Japan P3740178 and USP 04952125)

- Hitachi original rotor profile with PTFE-Free coatings designed to optimize clearances for increased performance.
- Tolerances maintained for increased efficiency.

## Environmentally Friendly

### Oil Mist Remover (Patent USP 05011388)

- Eliminates environmental emissions
- Promotes purity of air compression
- Recaptures oil mists (No waste)

### Industry Leading Sound

- Quiet enclosure standard
- Design for the minimization of leak paths

## Versatility of Design

### Control Design

- Lead/Lag (2 Units) is standard.
- Instantaneous Power Interruption (IPI) restart is standard.

### Space Saving

- Unit is smaller in overall dimension.
- Panel accessibility promotes space conservation.

# 175-300 HP (132-240kW) Oil Free Fixed Speed Air Cooled Two Stage

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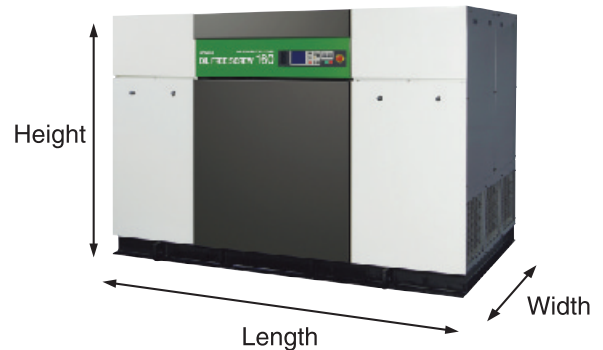
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## Specifications

Model	Rated Pressure	Nominal Motor Output	Main Voltage	FAD	Weight	Outlet
	psig (MPa)	HP (kW)	V/Hz	ACFM (m <sup>3</sup> /min)	lb(kg)	NPT
DSP-132A	110 (0.75)	175 (132)	460/60	795 (22.5)	8,598 (3,900)	2½ (Flange)
	145 (1.00)			671 (19.0)		
DSP-145A	110 (0.75)	200 (145)	460/60	883 (25.0)	8,598 (3,900)	2½ (Flange)
	145 (1.00)			706 (20.0)		
DSP-160A	110 (0.75)	215 (160)	460/60	971 (27.5)	8,818 (4,000)	2½ (Flange)
	145 (1.00)			795 (22.5)		
DSP-200A	110 (0.75)	250 (200)	460/60	1,254 (35.5)	11,464 (5,200)	3 (Flange)
	145 (1.00)			1,059 (30.0)		
DSP-240A	110 (0.75)	300 (240)	460/60	1,413 (40.0)	11,464 (5,200)	3 (Flange)
	145 (1.00)			1,148 (32.5)		

## Dimensions

Model	Length	Width	Height
	inch (mm)	inch (mm)	inch (mm)
DSP-132A	114.2 (2,900)	67.3 (1,710)	75.8 (1,925)
DSP-145A	114.2 (2,900)	67.3 (1,710)	75.8 (1,925)
DSP-160A	114.2 (2,900)	67.3 (1,710)	75.8 (1,925)
DSP-200A	126 (3,200)	74.4 (1,890)	76.8 (1,950)
DSP-240A	126 (3,200)	74.4 (1,890)	76.8 (1,950)



### Notes:

- Performance of the compressor package measured in accordance with ISO 1217, Third Edition, Annex C.
- The appearance and specifications are subject to change without prior notice.
- Hitachi Compressors are not designed, intended or approved for Breathing Air Applications.  
Hitachi assumes no responsibility or liability for compressors used in breathing air applications.
- Hi-precooler applied to all models.

**Hitachi Industrial Equipment Systems Co., Ltd.**

**Hitachi America Ltd.**  
[www.hitachi.us/airtech](http://www.hitachi.us/airtech)



**ISO14001**  
EC97J1107

**ISO9001**  
JQA-QM3443

Hitachi Screw Compressor is manufactured at a factory approved by Environmental Standard (ISO 14001) and Quality Standard (ISO9001) of International Organization for Standardization.