

**60-125 HP (45-90kW) Oil Free
Fixed Speed Air Cooled Two Stage**

HITACHI
Inspire the Next

**Oil Free Rotary
Air Compressors**

HITACHI
Inspire the Next

Fixed Speed Air Cooled Two Stage **60-125 HP (45-90kW)**

Specifications

Model	Rated Pressure	Nominal Motor Output	Main Voltage	FAD	Weight	Outlet
	psig (MPa)	HP (kW)	V	ACFM (m ³ /min)	lb (kg)	NPT
DSP-45AT6II	100 (0.69)	60 (45)	230/460	258 (7.3)	3,638 (1,650)	1½
	125 (0.86)			216 (6.1)		
DSP-55AT6II	100 (0.69)	75 (55)	230/460	290 (8.2)	3,638 (1,650)	1½
	125 (0.86)			257 (7.3)		
DSP-75A6	100 (0.69)	100 (75)	460	441 (12.5)	4,961 (2,250)	2 (Flange)
	125 (0.86)			388 (11.0)		
DSP-90A6	100 (0.69)	125 (90)	460	565 (16.0)	6,284 (2,850)	2 (Flange)
	125 (0.86)			505 (14.3)		

Dimensions

Model	Length	Width	Height
	inch (mm)	inch (mm)	inch (mm)
DSP-45AT6II	82.7 (2,100)	45.3 (1,150)	60.2 (1,530)
DSP-55AT6II	82.7 (2,100)	45.3 (1,150)	60.2 (1,530)
DSP-75A6	92.5 (2,350)	55.9 (1,420)	62.2 (1,580)
DSP-90A6	112.2 (2,850)	55.9 (1,420)	62.2 (1,580)



Notes:

- Performance of the compressor package measured in accordance with ISO 1217, Third Edition, Annex C.
- Main voltage specification is NOT multi-rating.
- 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 is not applied to all models.

Hitachi Industrial Equipment Systems Co., Ltd.

Hitachi America Ltd.
www.hitachi.us/airtech



ISO14001 EC97 J1107
ISO9001 JQA-QM3443

Hitachi Screw Compressor is manufactured at a factory approved by Environmental Standard (ISO 14001) and Quality Standard (ISO 9001) of International Organization for Standardization.

Printed in Japan(H) 1006 Form HC-E116-03



258 – 565 ACFM / 100 psig (7.3 – 16.0 m³/min / 0.69MPa)
216 – 505 ACFM / 125 psig (6.1 – 14.3 m³/min / 0.86MPa)

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.

Hitachi Industrial Equipment Systems Co., Ltd.