

**30-75 HP (22-55kW) Oil Free
Variable Speed Air Cooled Single Stage**

HITACHI
Inspire the Next

**Oil Free Rotary
Air Compressors**

HITACHI
Inspire the Next

Variable Speed Air Cooled Single Stage **30-75 HP (22-55kW)**

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-22VA6I	100 (0.69)	30 (22)	208/230/460	120 (3.4)	1,940 (880)	1
DSP-37VA6I	100 (0.69)	50 (37)	208/230/460	148 (4.2)	2,712 (1,230)	1½
DSP-55VA6I	100 (0.69)	75 (55)	230/460	222 (6.3)	2,933 (1,330)	1½

Dimensions

Model	Length	Width	Height
	inch (mm)	inch (mm)	inch (mm)
DSP-22VA6I	65.0 (1,650)	38.2 (970)	55.1 (1,400)
DSP-37VA6I	85.8 (2,180)	38.6 (980)	59.1 (1,500)
DSP-55VA6I	85.8 (2,180)	38.6 (980)	59.1 (1,500)



Notes:

1. Performance of the compressor package measured in accordance with ISO 1217, Third Edition, Annex C.
2. Main voltage specification is NOT multi-rating.
3. The appearance and specifications are subject to change without prior notice.
4. 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.

Hitachi Industrial Equipment Systems Co., Ltd.

Hitachi America Ltd.
www.hitachi.us/airtech



Printed in Japan(H) 1006 Form HC-E116-05



120 – 222 ACFM / 100 psig (3.4 – 6.3 m³/min / 0.69MPa)

Innovation through Technology

Purity of Air Compression

- PTFE-Free coatings ensure air purity. (Patent Japan P3740178)
- Stainless steel 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.

Matched VFD & High Efficiency Motor

- Stable Pressure Control
- Low Power Consumption

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

- Hitachi provides narrow operation band.
- VSD can adapt to variation in demand quickly.
- 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.