

# Specification

Model	Capacity Control	Max. Discharge Pressure (MPa)	Discharge Air Capacity (m3/min)	Nominal Output (kW)	Power Supply	Dimensions W* D* H	Air Discharge Size	Weight (kg)
OSP-22F5AIN	Fixed Speed	0.7	3.75	22	380V/50Hz 415V/50Hz	1340*740*1300	Rc1	650
		0.8	3.55					
		1.0	3.10					
		1.25	2.70					
OSP-30F5AIN	Fixed Speed	0.7	5.10	30	380V/50Hz 415V/50Hz	1600*860*1440	Rc1 1/2	900
		0.8	4.75					
		1.0	4.10					
		1.25	3.25					
OSP-30VAIN	Variable Speed	0.7	1.6 - 5.10	30	380V/50Hz 415V/50Hz	1950*860*1440	Rc1 1/2	900
		0.8	1.6 - 4.75					
		1.0	1.4 - 4.25					
		1.25	1.2 - 3.70					
OSP-37F5AIN	Fixed Speed	0.7	6.80	37	380V/50Hz 415V/50Hz	1600*860*1440	Rc1 1/2	1000
		0.8	6.30					
		1.0	5.80					
		1.25	5.00					
OSP-37V5AIN	Variable Speed	0.7	2.3 - 6.8	37	380V/50Hz 415V/50Hz	1950*860*1440	Rc1 1/2	1080
		0.8	2.1 - 6.3					
		1.0	1.9 - 5.6					
		1.25	1.7 - 5.1					
OSP-45F5AIN	Fixed Speed	0.7	8.50	45	380V/50Hz 415V/50Hz	2000*1200*1680	Rc2	1380
		0.8	7.80					
		1.0	6.90					
		1.25	5.65					
OSP-45V5AIN	Variable Speed	0.7	1.95 - 8.5	45	380V/50Hz 415V/50Hz	2250*1200*1690	Rc2	1480
		0.8	1.92 - 7.93					
		1.0	1.90 - 6.9					
		1.25	1.78 - 5.65					
OSP-55F5AIN	Fixed Speed	0.7	10.50	55	380V/50Hz 415V/50Hz	2000*1200*1680	Rc2	1410
		0.8	9.50					
		1.0	8.60					
		1.25	7.60					
OSP-55V5AIN	Variable Speed	0.7	2.52 - 10.6	55	380V/50Hz 415V/50Hz	2250*1200*1690	Rc2	1510
		0.8	2.54 - 9.85					
		1.0	2.13 - 8.6					
		1.25	2.09 - 7.73					
OSP-75F5AIN	Fixed Speed	0.7	13.50	75	380V/50Hz 415V/50Hz	2000*1200*1680	Rc2	1520
		0.8	12.50					
		1.0	11.10					
		1.25	10.20					
OSP-75V5AIN	Variable Speed	0.7	3.23 - 13.5	75	380V/50Hz 415V/50Hz	2250*1200*1690	Rc2	1620
		0.8	3.29 - 12.55					
		1.0	2.79 - 11.1					

- NOTE:**
- Unit performance parameters and acceptance criteria shall be subject to Appendix C, ISO 1217.
  - Reference conditions : absolute intake pressure: 0.1 MPa; air intake temperature: 20° C; relative humidity: 0%
  - For special requirements, please contact hitachi sales representative office.

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Hitachi Industrial Equipments Systems India

**OJUS POWER & TECHNOLOGIES PRIVATE LIMITED**

## OSP IN series

Oil-Flooded Screw Compressor 22-75kW



**HITACHI**



### Fluid-air Separation System

- Large capacity and highly efficient fluid-air separator with special design inside, multistate separation to make good separation result.
- The pressure decreased lowly and saving almost 1% power consumption.

### Air Inlet Regulating Valve

- Decrease the times of load and unload, low running cost.
- Longer life for seldom impulsive load.

### Air Capacity Regulation

- Realize compressor air discharge capacity with demand 0%-100% stepless regulation.
- Better meet the air demand of customer to save energy consumption.

### Outstanding Screw Rotors

- The screw rotors manufactured by matching posses excellent consumption efficiency.
- The design of slot line and pitch line reduces the inner leakage.

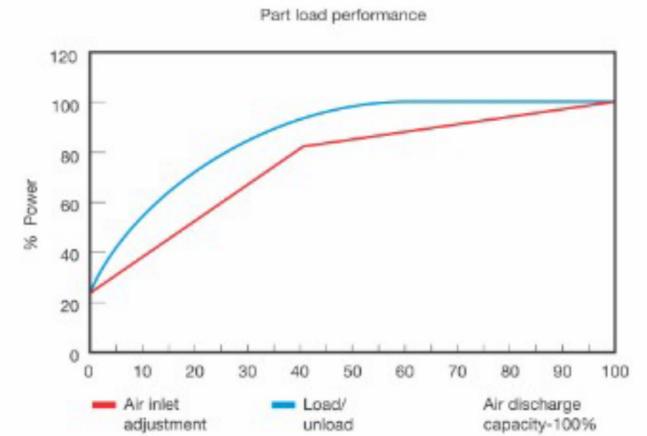
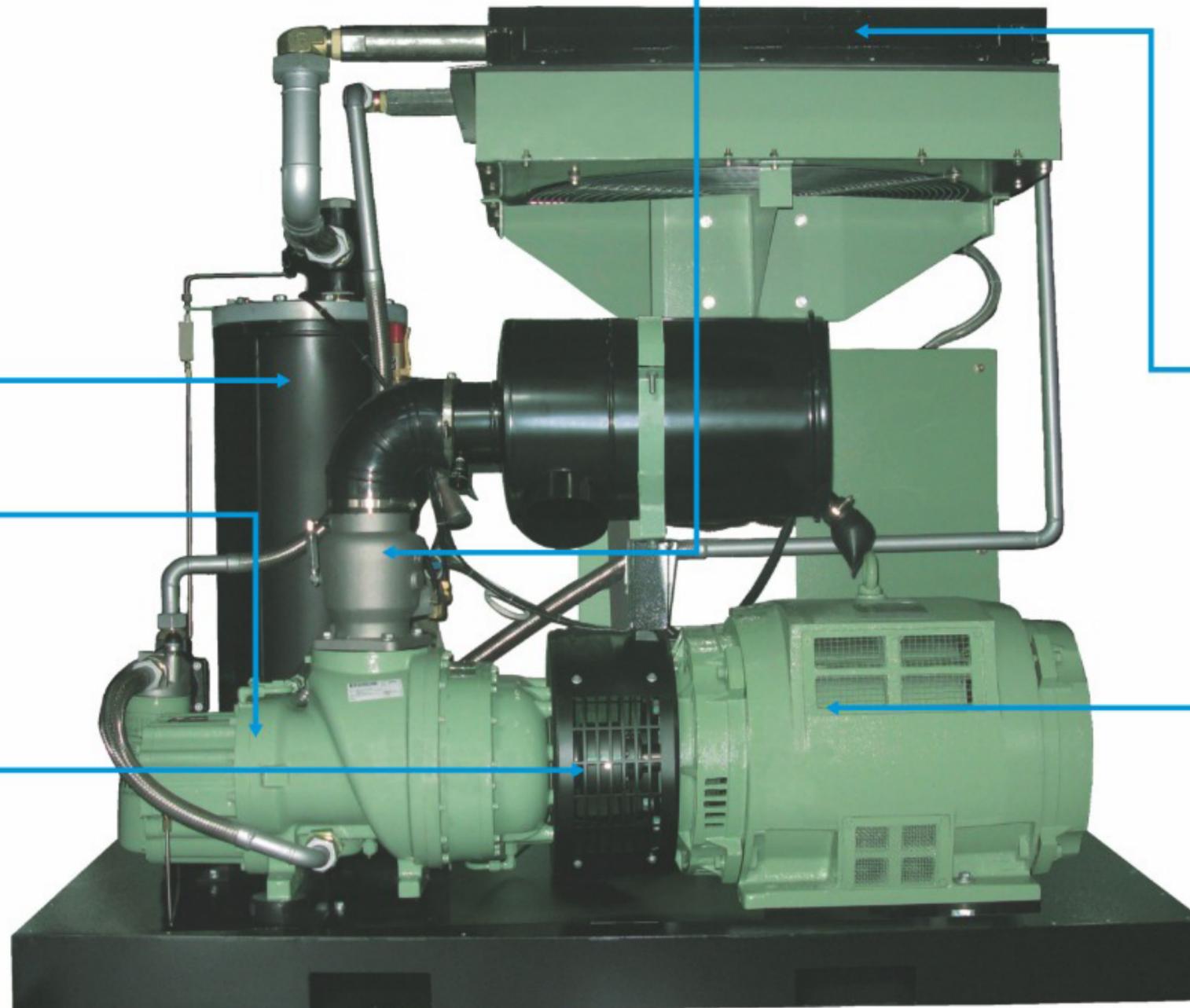
### Compressor Air-End

- Low noise and high quality bearings ensures the Air-End stability and longer life.
- BFR (Bearing Fluid Reservoirs) ensure the compressor with excellent function for startup and on load performance.



### Elastic Coupling

- Avoiding impulsive load, high efficient driving and reliable operation.
- Install or remove the element radially and easy to maintain for shaft seal.



### High Efficiency Cooling System

- Oversized cooler, huge design margin
- High cooling efficiency, effectively extend the life of fluid and lower running cost.

### High Efficiency Motor

- Good heat dissipation capacity, B class temperature rise, insulation and not easy aging based on factory standard running cond.
- High quality bearings with small erosion for longer life to ensure long-term continuous trouble-free operation.
- IP55 protection class
- IE3 efficiency

NOTE: The above figures are for reference only, subject to the real machine.

