

FAS 45 - 90

Oil injected, air cooled screw compressors

The product range FAS includes silent single stage rotating screw compressors with air cooling and is available in the power range of 45 to 90 kW. The compressors are designed for industrial applications and prove their strength when running continuously. As the machines are equipped with driving motors classified in IE3 energy efficiency class, an economical operation is guaranteed. Moreover firstAir also offers machines with energy saving speed control.

High quality components in combination with decades of experience in building air ends ensure durability with constantly high efficiency.

Features:

- Compact + accessible Design
- Reliable EUComp airend technology
- IE3 premium efficiency drive
- Generous designed aluminum cooler

Advantages:

- Small footprint + easy to maintain
- Proven technology with high volume flow
- Developed for high loads
- Ambient temperatures up to 45°C

Benefits:

- Quick installation + low service costs
- High reliability for demanding industries
- Durable and energy cost saving operation
- Risk free operation



FAS 45-90 – TECHNICAL DATA

firstAir SCREW COMPRESSORS

Machine Model			FAS 45	FAS 55	FAS 75	FAS 90
Air discharge	8 bar	m ³ /min	7.60	9.60	13.00	15.20
	10 bar	m ³ /min	6.90	8.80	11.70	13.60
	13 bar	m ³ /min	6.00	7.80	10.00	12.10
Transmission method			Belt Driven	Direct		
Electrical Motor	Power	kW – Hp	45	55	75	90
	Starting method	Typ	Star-delta starting			
	Voltage/Frequency	V/Hz	400V, 50Hz			
Noise level		dBA	75±3	75±3	75±3	75±3
Discharge temperature		°C	≤ Ambient temperature + 15			
Connection outlet		G2	G2	G2	G2	G2
Dimensions		Length (mm)	1400	2250	2250	2250
		Width (mm)	1100	1344	1344	1344
		Height (mm)	1600	1694	1694	1694
		Weight (kg)	1080	2150	2250	2450

Machine Model			FAS SC 45	FAS SC 55	FAS SC 75	FAS SC 90
Air discharge	8 bar	m ³ /min	3.04 ~ 7.60	3.84 ~ 9.60	5.20 ~ 13.00	6.08 ~ 15.20
	10 bar	m ³ /min	2.76 ~ 6.90	3.52 ~ 8.80	4.68 ~ 11.70	5.44 ~ 13.60
	13 bar	m ³ /min	2.40 ~ 6.00	3.12 ~ 7.80	4.00 ~ 10.00	4.84 ~ 12.10
Transmission method			Belt Driven	Direct		
Electrical Motor	Power	kW – Hp	45	55	75	90
	Starting method	Typ	Soft Start			
	Voltage/Frequency	V/Hz	380/400/415V, 50Hz			
Noise level		dBA	75±3	75±3	75±3	75±3
Discharge temperature		°C	≤ Ambient temperature + 15			
Connection outlet		G2	G2	G2	G2	G2
Dimensions		Length (mm)	1400	2250	2250	2250
		Width (mm)	1100	1344	1344	1344
		Height (mm)	1600	1694	1694	1694
		Weight (kg)	1120	2220	2350	2520