

Power Saving Air Cooled Solutions for PET Applications

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## THE COMPLETE HIGH-TECH PET BLOWING PACKAGE

As every installation has its own particulars and operating conditions, it is essential to obtain the right air quality to ensure the highest protection at the lowest costs.

### BOOSTERS

- Specially designed for long life and problem free working for pet blowing industry
- 5-13 bar intake pressure alternatives
- Max. 40 bar working pressure
- Load-unload working system

### COMPRESSOR BLOCK

- Heavy duty cast-iron crankcase
- Precisely machined and honed cast-iron cylinders and bare pumps with cooling fins
- GGG60 cast crankshaft and counter weight
- High capacity and high pressure-resistant inlet-outlet valves made from stainless steel
- Compression and oil retaining rings

### MAIN MOTOR AND DRIVE SYSTEM

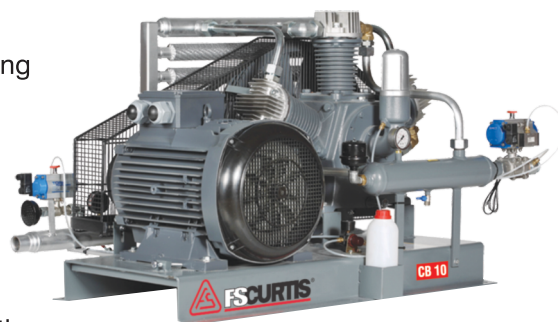
- Drive system with belt-pulley mechanism
- Special design fan-type cast-iron pulley
- Easy belt tensioning system
- Special loadless operation system

### SAFETY SYSTEMS

- Intake air control system
- High pressure safety valve
- Manual drain valve
- Non-return valve
- Belt-pulley guard
- Outlet pressure gauge
- Air inlet and outlet hoses & connections
- Vibration pads

### SEM/SEMV SALIENT FEATURES

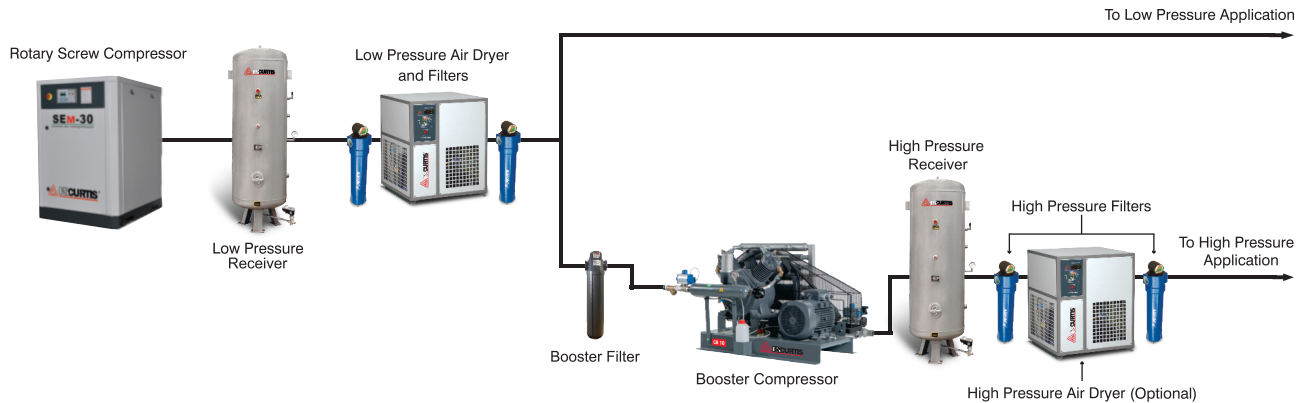
- 20 to 100HP, 7 to 14 Bar(G), 92 to 500 cfm
- High performance 5/6 rotor profile.
- Deliver big performance in a compact design
- Built to handle continuous duty in tough, tropical conditions.
- Electronic controls with alphanumeric display panel for safeties and service indicators
- Best in class cooling system ensures lowest air-oil temperature
- High efficiency IP 55 motors and star delta starters
- For quiet, steady performance and all the power you need, count on dependable SEM
- Variable speed drive also available



### OTHER FEATURES

- Automatic discharge system for loadless start
- Long-life bearings
- Air-cooled after cooler
- Air intake filter and silencer for loadless operation
- Oil splash lubrication system
- Oil level indicator
- Special discharge system preventing oil leakage from blow down valve





### BOOSTER SPECIFICATIONS

BOOSTER MODEL		CB 10	CB 15	CB 20	CB 25	CB 30	CB 40
Frequency and Voltage Ratings	Hz	50	50	50	50	50	50
	V	400	400	400	400	400	400
Maximum Working Pressure	bar	40	40	40	40	40	40
Free air delivery at 7 Bar Inlet Pressure	cfm	63	74	111	147	167	200
Free air delivery at 10 Bar Inlet Pressure	cfm	87	101	153	202	230	276
Free air delivery at 12 Bar Inlet Pressure	cfm	102	119	180	237	270	324
Number of Cylinders	#	2	2	2	3	3	3
Rated motor	kW	7.5	11	15	18.5	22	30
Minimum Working Pressure	bar	15	15	15	15	15	15
Drive System	Belt / Pulley						
Compressed Air Outlet	R	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"
Compressor Weight (approx.)	kg	268	285	300	345	390	426
Compressor Dimension ( L x W x H )	mm	1286 x 825 x 753	1286 x 825 x 753	1357 x 820 x 758	1423 x 874 x 736	1423 x 881 x 736	1423 x 972 x 736

### SCREW COMPRESSOR SPECIFICATIONS

MODEL	CAPACITY FAD								MOTOR		SOUND LEVEL dBA + / -3	DIMENSIONS L x W x H - MM	WEIGHT (Base Mtd.) Kgs.
	7 bar		8 bar		10 bar		12 bar		HP	KW			
	m³/min	cfm	m³/min	cfm	m³/min	cfm	m³/min	cfm					
SEM - 20	2.6	92	2.3	81	2	71	1.7	60	20	15	75	1080 X 880 X 1298	480
SEM - 25	3.2	113	2.9	102	2.6	92	2.3	81	25	18			520
SEM - 30	3.7	130	3.5	123	3.3	116	3.0	106	30	22			600
SEM - 40	5.3	187	5	176	4.6	162	4.0	141	40	30			880
SEM - 50	6.6	233	6.3	222	5.7	201	5.1	180	50	37	1280 X 980 X 1450	920	
SEM - 60	8.1	286	7.5	265	7.1	251	6.1	215	60	45	1400 X 1100 X 1600	1080	
SEM - 75	10.4	367	9.6	339	8.5	300	7.6	268	75	55	1750 X 1300 X 1780	1750	
SEM - 100	14.1	498	12.8	452	11.6	410	10.3	364	100	75		2200	

\* All above models also available at discharge pressure of 14 bar (g) as a standard unit



## AcCESSORIES

### HIGH EFFICIENCY REFRIGERANT DRYERS

- Compact Design
- Low Pressure Drop
- Consistent Dew Point
- Power Saving
- High Quality Finishing
- Non-cyclic System
- More Reliability
- Ease of Installation
- Environment Friendly
- Reduced Maintenance



### HIGH EFFICIENCY FILTRATION FOR CLEAN & TECHNICALLY OIL-FREE COMPRESSED AIR

- Higher effective filtration area
- Lower pressure drop
- Ease of renewing element
- Inner thread design: Lower piping cost and ease to install.  
New filter element – high temperature resistance up to 120°C
- Higher dirt holding capacity
- Possibility of higher air flow
- Differential Pressure gauge(Optional)
- Anti-rust surface treatment



### FS COMPRESSORS INDIA PVT. LTD.

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