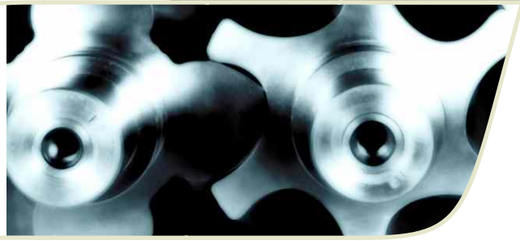
ELGI

Think Long Run

Air Compressors

Winning through PARTNERSHIPS

Established in 1960, as a service station equipment and reciprocating air compressors manufacturing company, Elgi has emerged as a multi-product, multi-market enterprise to meet global challenges.



- Asia's largest, integrated air compressor manufacturer and India's leading automobile service station solution provider
- ELGI is headquartered in Coimbatore, India
- ELGI's stocks are listed in premier stock exchanges in India and the company has a strong record of financial stability with regular dividends for its shareholders
- More than 400 product offerings
- Over two million ELGI machines powering businesses in more than 60 countries worldwide
- Over 30% of its products are exported to countries such as USA, Europe, Australia, South-East Asia and the Middle East
- An excellent track record of successful technological partnerships with some big names in the industry

global NETWORK

- The largest dealer network in India
- Two subsidiary companies ,14 domestic and 7 overseas offices
- A dedicated department for handling global operations
- A 12/6 centralised customer care system, a first of it's kind for any engineering company in india
- Toll-free customer care number(in India)

flexible INFRASTRUCTURE

- Three modern manufacturing facilities spanning 325000 square feet of area equipped with the latest machines and tool management centers forms the manufacturing core of Elgi
- Lean manufacturing has been incorporated totally to bring down the production cycle, leading to quicker order fulfillment times
- The manufacturing process has been bound with PLM to allow flexibility and customization
- Elgi's metrology lab ensures that it has the highest quality standards and as a result has the lowest defect rates in the industry

innovative TECHNOLOGY

- Elgi has always sustained technological edge by following a two-pronged strategy: one, constant in-house innovation and two, forming strategic alliances with world leaders for research and technology

Comprehensive range of AIR COMPRESSORS

Reciprocating Air Compressors

Single Stage
Range: 2.2 – 11 kW / 0.25 -1.38 m^3/min
Range: 3 – 15 HP / 9- 49.1 cfm

Two Stage
Range: 2.2 – 11kW/ 0.25 – 1.25 m^3/min
Range : 3-15 HP / 8.8 – 44.1 cfm

High Volume
Range : 15 – 30 kW/ 2.07 – 3.62 m^3/min
Range : 20 – 40 HP/ 73.2 – 124.87 cfm

High Pressure
Range : 2.2 – 15 kW/ 0.10 – 1.13 m^3/min
Range : 3 – 20 HP / 3.53 – 40 cfm

Rotary Screw Air Compressors

Electric Powered

Horizon Series

Tank Mounted
Range: 5.5 - 11 kW / 0.81 - 1.60 m^3/min
Range : 7.5 - 15 HP / 28.5 - 56.5 cfm

Single Stage (upto 75 kW)
Range : 11 - 75 kW / 1.81 - 14.16 m^3/min
Range : 15 - 100 HP / 64 - 525 cfm

Single Stage (above 75 kW)
Range : 90 - 160 kW / 11.4 - 28.3 m^3/min
Range : 120-215 HP / 591 - 1000 cfm

Tandem Two Stage
Range : 75 - 160 kW / 16 - 31.15 m^3/min
Range : 100 - 215 HP / 565 - 1085 cfm

Diesel Powered

Trolley Mounted
Range : 175 - 750 cfm / 100 - 200 psig

Skid Mounted
Range : 900 - 1100 cfm / 200 - 350 psig

Air Accessories

Variable Frequency Drives

Air Receiver
Capacity : 250 – 10000 ltrs.
Working pressure : 7 – 60 kgf/cm^2
Code of construction : ASME sec. V111 div 1 or IS 2825

Refrigeration Air Dryer
Capacity : 10 - 2000 cfm
Working pressure : 7 - 60 Kgf/cm^2
Dew point : +3 ° C PDP

Air Filter
Capacity : 19- 1200 cfm
Working pressure : 7 - 60 Kgf/cm^2
Filtration Range : 1 – 0.003 microns

*Due to continuous engineering improvements, specifications are subject to change without prior notice

SINGLE STAGE

2.2 – 11 kW / 0.25 -1.38 m^3/min | 3 - 15 HP / 9 - 49.1 cfm

TWO STAGE

2.2 – 11kW / 0.25 – 1.25 m^3/min | 3 - 15 HP / 8.8 - 44.1 cfm

Robust, Reliable and Long Lasting

Elgi reciprocating air compressors are designed for optimum efficiency and minimum maintenance. They are available in stationary/portable models. Custom-built models for specific applications are also available on request.

Inside

- Optimal operating speed for longer service life
- Pressure relief valve provided after each stage of compression for safety
- Convenient oil sight glass and oil drain
- Stainless steel valves for lower wear and lasting compression efficiency

- Modular design
- Dry type suction filters
- Deep finned cast iron cylinders, cylinder heads and aluminium cooler tubes ensure heat dissipation for higher operating efficiency
- Aerodynamically designed fan with larger blades for higher air flow
- Efficient cooling for operation in tropical conditions
- Double side belt guard for operator safety
- Air receivers conforming to ASME standards

Single/Two stage reciprocating air compressor range

Model	Piston Displacement		Free Air Delivery		Motor Power		No. of Cylinders	Compressor speed	Air Receiver	Overall Dimension
	m^3/min	cfm	m^3/min	cfm	HP	kW		rpm	Litres	LxBxH mm
Single stage - Maximum working pressure 9 Kg/cm^2, free air delivery at 7 Kg/cm^2										
SS 03 09 HN	0.36	12.7	0.25	9.0	3.0	2.2	2	550	160	1345 x 540 x 1085
SS 05 090 HN	0.60	21.4	0.44	15.6	5.0	3.7	2	925	220	1595 x 545 x1085
SS 07 090 HN	0.92	32.5	0.70	25	7.5	5.5	2	690	220	1595 x 635 x1115
SS 10 090 HN	1.20	43.4	0.95	33.15	10.0	7.5	2	920	420	1660 x 825 x1240
SS 15 090 HN	1.80	66.4	1.38	49.1	15.0	11	3	925	500	1925 x 885 x 1515
Two stage - Maximum working pressure 12 Kg/cm^2 free air delivery measured at 10 Kg/cm^2										
TS 03 120 HN	0.30	10.7	0.25	8.8	3.0	2.2	3	925	160	1345 x 510 x 1085
TS 03 120 HN	0.30	10.7	0.25	8.8	3.0	2.2	3	925	220	1595 x 510 x 1085
TS 05 120 HN	0.50	17.7	0.41	14.5	5.0	3.7	3	925	220	1595 x 585 x 1095
TS 07 120 HN	0.70	24.8	0.58	20.6	7.5	5.5	3	1050	220	1600 x 630 x 1120
TS 10 120 HN	1.00	35.4	0.85	30.1	10.0	7.5	3	750	220	1595 x 510 x 1205
TS 10 120 HN	1.00	35.4	0.85	30.1	10.0	7.5	3	750	420	1675 x 885 x 1350
TS 10 120 HN	1.00	35.4	0.85	30.1	10.0	7.5	3	750	500	1925 x 885 x 1350
TS 15 120 HN	1.53	54.3	1.25	44.1	15.0	11.0	3	1150	500	1925 x 885 x 1350

* Refer ISO 1217 Annexure C on tolerances for FAD and power consumption

Note
- Two Stage 10 & 15 HP compressor available in base mounted version
- Units with 380V motor available on request

HIGH VOLUME

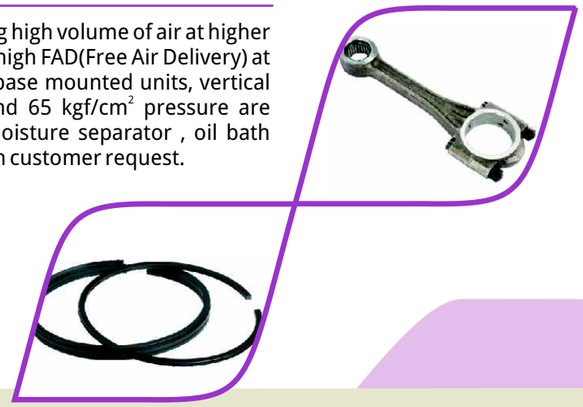
15 – 30 kW / 2.07 – 3.62 m^3/min | 20 – 40 HP / 73.2 – 124.87 cfm

HIGH PRESSURE

2.2 – 15 kW / 0.10 – 1.13 m^3/min | 3 – 20 HP / 3.53 – 40 cfm

Rugged and Durable

Specifically designed for applications requiring high volume of air at higher pressure, these compressors can also deliver high FAD(Free Air Delivery) at lower pressures for your requirements. For base mounted units, vertical air receivers up to 10,000 litres capacity and 65 kgf/cm^2 pressure are available. Water / Air cooled after-cooler, moisture separator , oil bath filters / oil absorption filters can be supplied on customer request.



High volume/High pressure reciprocating air compressor range

Model	Piston displacement		Free Air Delivery		Working Pressure	No. of Cylinders	Motor Power		Compressor speed	Overall Dimension
	m^3/min	cfm	m^3/min	cfm	Kg/cm^2		HP	kW	rpm	LxBxH mm
HV 20 070	2.47	87.1	2.07	73.20	7	2	20	15.0	900	1820 x 920 x 1150
HV 20 100	2.30	82	1.94	68.60	10	2	20	15.0	850	1820 x 920 x 1150
HV 20 120	2.22	78.5	1.82	64.34	12	2	20	15.0	810	1820 x 920 x 1150
HV 25 070	2.74	96.8	2.30	81.30	7	2	25	18.5	1000	1820 x 920 x 1150
HV 25 100	2.54	90	2.12	74.69	10	2	25	18.5	925	1820 x 920 x 1150
HV 25 120	2.47	87.6	2.02	71.44	12	2	25	18.5	900	1820 x 920 x 1150
HV 30 070	3.51	124.8	2.95	104.28	7	2	30	22	925	1820 x 920 x 1150
HV 30 100	3.23	114.68	2.68	94.67	10	2	30	22	850	1820 x 920 x 1150
HV 30 120	3.08	109.3	2.53	89.45	12	2	30	22	810	1820 x 920 x 1150
HV 40 070	4.31	153	3.62	124.87	7	2	40	30	840	1770 x 975 x 1125
HV 40 100	4.10	145.7	3.41	120.35	10	2	40	30	800	1770 x 975 x 1125
HV 40 120	3.59	127.5	2.98	105.20	12	2	40	30	700	1770 x 975 x 1125
High Pressure										
HP 03 300	0.18	6.39	1.00	0.10	30	2	3	2.2	550	1270 x 515 x 650
HP 05 300	0.31	10.98	0.2	7.27	30	2	5	3.7	950	1270 x 515 x 650
HP 07 300	0.50	17.75	0.32	11.51	30	2	7.5	5.5	750	1440 x 600 x 695
HP 10 300	0.63	22.48	0.42	14.48	30	2	10	7.5	900	1440 x 600 x 695
HP 15 300	1.17	41.27	0.85	30	30	2	15	11	875	1718 x 747 x 861
HP 20 300	1.53	54.26	1.13	40	30	2	20	15	1100	1725 x 810 x 830
Super Pressure										
SP 20 400	1.23	43.71	0.95	31	40	3	20	15	1150	2000 x 800 x 1025
SP 20 600	1.23	43.71	0.8	28.26	60	3	20	15	1150	2000 x 790 x 1030

* Refer IS 5456 / ISO 1217 Annexure Con tolerances for FAD and power consumption

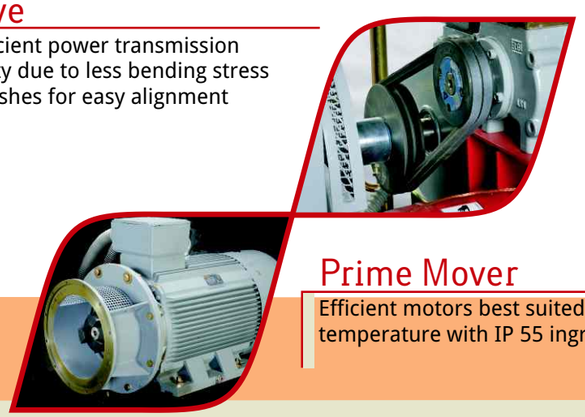
Note
- All models are available as base mounted units
- Units with 380V motors can be made available on request

TANK MOUNTED

5.5 - 11 kW / 0.81 - 1.60 m^3/min | 7.5 - 15 HP / 28.5 - 56.5 cfm

Belt Drive

- V belt for efficient power transmission
- High durability due to less bending stress
- Taper lock bushes for easy alignment



Prime Mover

Efficient motors best suited for high ambient temperature with IP 55 ingress protection class

Filters

- Highly efficient air and oil filters for longer life of compressor
- Spin–on type oil filter elements for easy maintenance

Aftercooler

- An integral part to ensure quality air
- Tropicalised design to withstand extreme temperatures
- Compact and easy to clean

Oil Separation

- Highly efficient two-stage oil separation
- Spin-on type element ensures less downtime during replacement

Electronic Control Panel

- In-built safety trips as standard feature
- Isolated panel with swing out door for easy servicing

Tank mounted screw air compressor range

Model	Power		Capacity		Working Pressure		Package Weight
	kW	HP	m^3/min	cfm	bar g	psi g	Kg
	Overall dimension (l x b x h) : 640 x 1240 x 1500 mm						
ET5 - 7.5	5.5	7.5	0.81	28.5	7	101.52	340
ET5 - 8.5	5.5	7.5	0.76	27.0	8	116.02	340
ET5 - 10	5.5	7.5	0.70	24.5	9.5	137.78	340
ET5 - 13	5.5	7.5	0.54	19.0	12.5	181.29	340
ET7 - 7.5	7.5	10	1.18	41.5	7	101.52	340
ET7 - 8.5	7.5	10	1.09	38.5	8	116.02	340
ET7 - 10	7.5	10	0.96	34.0	9.5	137.78	340
ET7 - 13	7.5	10	0.79	28.0	12.5	181.29	340
ET11 - 7.5	11.0	15	1.60	56.5	7	101.52	350
ET11 - 8.5	11.0	15	1.53	54.0	8	116.02	350
ET11 - 10	11.0	15	1.34	47.2	9.5	137.78	350
ET11 - 13	11.0	15	1.11	39.3	12.5	181.29	350

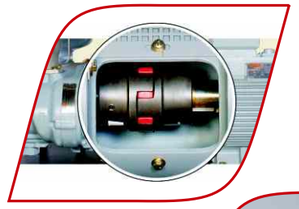
- Base mounted models available
- Refer ISO 1217 Annexure C on tolerances for FAD and power consumption

SINGLE-STAGE

11 – 75 kW / 1.81 - 14.16 m^3/min | 15-100 HP / 64 – 525 cfm

Energy Efficient

Power saving airend for maximum output and minimum power consumption.

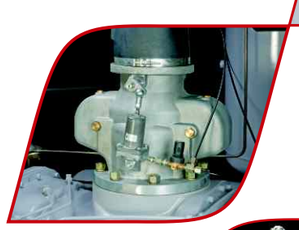


Direct Drive :Transmission Efficiency

Elgi's direct drive ensures efficient power transmission and constant FAD throughout the life of the compressor.

Maintenance Friendly & Durable

User friendly solid state MIMIC annunciation panel for easy fault diagnostics. The E-Series also features "Neuron"- a dedicated microprocessor-based control.



Optimal Capacity Control

Varion intake valve installed at the compressor inlet optimally controls capacity during start up, operation and shutdown.

OSBID

Over the years, ELGI has perfected the "OSBID" process (Oil Separation By Impact and Deceleration) which enables efficient separation of air and oil with minimum pressure drop. The process results in low oil carry over level, specifically during the working cycle and unloading.

Small electric powered screw air compressor range

Model	Power		Capacity		Working Pressure		Weight
	kW	HP	m^3/min	cfm	bar g	psi g	Kg
Overall dimension (l x b x h) : 1475 x 800 x 1150 mm							
E11 - 7.5	11	15	1.81	65	7	100	630
E11 - 8.5	11	15	1.69	60	8	115	630
E11 - 10	11	15	1.56	55	9.5	135	630
E11 - 13	11	15	1.19	42	12.5	180	630
E15 - 7.5	15	20	2.41	88	7	100	640
E15 - 8.5	15	20	2.26	80	8	115	640
E15 - 10	15	20	2.15	76	9.5	135	640
E15 - 13	15	20	1.73	61	12.5	180	640
E18 - 7.5	18	25	2.97	105	7	100	710
E18 - 8.5	18	25	2.83	100	8	115	710
E18 - 10	18	25	2.61	93	9.5	135	710
E18 - 13	18	25	2.07	73	12.5	180	710
E22 - 7.5	22	30	3.57	126	7	100	710
E22 - 8.5	22	30	3.39	120	8	115	710
E22 - 10	22	30	3.03	108	9.5	135	710
E22 - 13	22	30	2.52	89	12.5	180	710
Overall dimension (l x b x h) : 1675 x 850 x 1365 mm							
E30 - 7.5	30	40	5.40	191	7	100	1050
E30 - 8.5	30	40	4.84	171	8	115	1050
E30 - 10	30	40	4.53	160	9.5	135	1050
E30 - 13	30	40	3.62	128	12.5	180	1050
E37 - 7.5	37	50	6.43	238	7	100	1100
E37 - 8.5	37	50	5.91	209	8	115	1100
E37 - 10	37	50	5.38	194	9.5	135	1100
E37 - 13	37	50	4.61	163	12.5	180	1100
Overall dimension (l x b x h) : 2000 x 980 x 1715 mm							
E45 - 7.5	45	60	7.56	283	7	100	1150
E45 - 8.5	45	60	6.93	245	8	115	1150
E45 - 10	45	60	6.31	238	9.5	135	1150
E45 - 13	45	60	5.66	200	12.5	180	1150
E55 - 7.5	55	75	9.77	351	7	100	1710
E55 - 8.5	55	75	8.94	316	8	115	1710
E55 - 10	55	75	8.21	290	9.5	135	1710
E55 - 13	55	75	6.88	243	12.5	180	1710
Overall dimension (l x b x h) : 2200 x 1170 x 1920 mm							
E75 - 8	75	100	14.16	500	7	100	2100
E75 - 9	75	100	13.37	472	8	115	2100
E75 - 10.5	75	100	11.81	417	9.5	135	2100
E75 - 11.5	75	100	10.73	379	10.5	150	2100
E75 - 13.5	75	100	9.91	350	12.5	180	2100

●Refer ISO 1217 Annexure C on tolerances for FAD and power consumption

SINGLE-STAGE

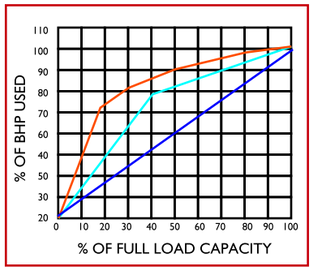
90 - 160 kW / 11.4 - 28.3 m^3/min | 120 - 215 HP / 591 - 1000 cfm

Dual Oil Filters

- High filtration level at all flow levels and temperatures
- Increased life of bearings

Suction Filter- Total dust protection

- Heavy duty cyclopac two-stage air filtration system
- Increased life of airend



100% Step-less Type Capacity Control System

- Compressor regulates the output based on actual plant requirement
- The E series single stage compressors incorporates the VARION type intake valve with modulation, which helps in optimizing the power statistics at varying loads

OSBID

Over the years, ELGI has perfected the “OSBID” process (Oil Separation By Impact and Deceleration) which enables efficient separation of air and oil with minimum pressure drop. The process results in low oil carry over level, specifically during the working cycle and unloading.

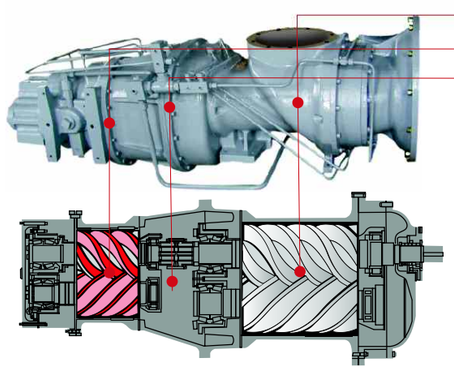
Large electric powered screw air compressor range

Model	Power		Capacity		Working Pressure	
	kW	HP	m^3/min	cfm	bar g	psi g
Overall dimension (l x b x h) : 3915 x 1600 x 1910 mm Weight : 2800 Kg						
E90 - 8	90	120.7	16.7	591	7	100
E90 - 9	90	120.7	15.6	544	8	115
E90 - 10.5	90	120.7	13.8	488	9.5	135
E90 - 11.5	90	120.7	12.9	457	10.5	150
E90 - 13.5	90	120.7	11.4	401	12.5	180
E110 - 8	110	150	20.4	720	7	100
E110 - 9	110	150	18.6	658	8	115
E110 - 10.5	110	150	17.1	604	9.5	135
E110 - 11.5	110	150	16.1	570	10.5	150
E110 - 13.5	110	150	14.2	502	12.5	180
E132 - 9	132	180	25.0	882	7	100
E132 - 9	132	180	22.7	800	8	115
E132 - 10.5	132	180	20.5	725	9.5	135
E132 - 11.5	132	180	19.3	683	10.5	150
E132 - 13.5	132	180	17.3	611	12.5	180
E160 - 8	160	215	28.3	1000	7	100
E160 - 9	160	215	25.9	915	8	115
E160 - 10.5	160	215	23.6	835	9.5	135
E160 - 11.5	160	215	22.7	801	10.5	150
E160 - 13.5	160	215	20.8	735	12.5	180

- Refer ISO 1217 / 1996 Annexure C on tolerances for FAD and power consumption

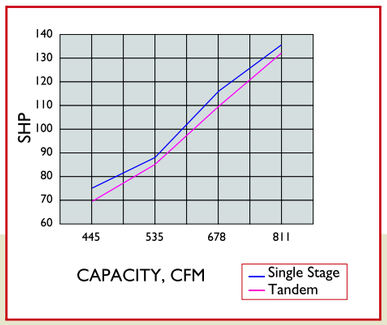
TANDEM TWO-STAGE

75 – 160 kW / 16-31.15 m^3/min | 100 – 215 HP / 565-1085 cfm



The Two-Stage Advantage

ELGI two-stage tandem screw compressors are built to achieve high efficiency. Compression is divided equally between two stages to achieve optimum results. The first stage takes in air, compresses it to intermediate pressure and feeds it to the second stage inlet. The second stage compresses the air further to the final discharge pressure. During this process, most of the heat generated by compression in the first stage is removed by the lubricating oil and the remaining heat is lowered by a splash of cool oil prior to the entry into the second stage.



Energy Saver

Energy costs accounts for 85% of the total cost of compressed air production. The ELGI Tandem air compressors save energy costs by 7 - 13% thereby ensuring faster payback periods.

Optional Logic Control

State-of-the-art microprocessor based control is available with industrial standard PLC coupled with a MIMIC panel to display all essential functions, built-in safety and inter-locks.

Two- stage electric powered screw air compressor range

Model	Motor Power		Capacity		Working Pressure	
	kW	HP	m^3/min	cfm	bar g	psi g
Overall dimension (l x b x h) : 3915 x 1600 x 1910 mm Weight: 3000 Kg						
EE75-8	75	100	16	565	7	100
EE75-9	75	100	15.15	535	8	115
EE75-10.5	75	100	13.31	470	9.5	135
EE75-11.5	75	100	12.26	433	10.5	150
EE75-13.5	75	100	11.47	405	12.5	180
EE90-8	90	120	18.41	650	7	100
EE90-9	90	120	16.71	590	8	115
EE90-10.5	90	120	15.29	540	9.5	135
EE90-11.5	90	120	14.53	513	10.5	150
EE90-13.5	90	120	13.17	465	12.5	180
EE110 - 8	110	150	22.65	800	7	100
EE110-9	110	150	21.24	750	8	115
EE110-10.5	110	150	19.57	691	9.5	135
EE110-11.5	110	150	18.69	660	10.5	150
EE110-13.5	110	150	16.42	580	12.5	180
EE132-8	132	180	27.33	965	7	100
EE132-9	132	180	24.95	881	8	115
EE132-10.5	132	180	23.56	832	9.5	135
EE132-11.5	132	180	21.95	775	10.5	150
EE132-13.5 Weight: 3500 Kg	132	180	19.68	695	12.5	180
EE160-8	160	215	30.72	1085	7	100
EE160-9	160	215	30.47	1076	8	115
EE160-10.5	160	215	28.03	990	9.5	135
EE160-11.5	160	215	25.06	885	10.5	150
EE160-13.5	160	215	23.22	820	12.5	180

●Refer ISO 1217 / 1996 Annexure C on tolerances for FAD and power consumption

DIESEL POWERED

Trolley Mounted 175 - 750 cfm / 100-200 psig

Skid Mounted 900 - 1100 cfm / 200-350 psig

Low Oil Consumption

Two- stage air/oil separator effectively separates oil from air. This oil is recycled back into the system, reducing the operating cost considerably.

Air Delivery Matched to Demand

The 0 -100% stepless variable capacity control reduces fuel consumption and operating costs. Air consumption controls the opening and closing of the inlet valve, thereby regulating inlet air suction and the engine speed to match the demand.

Easy Manoeuvrability

The compressors can be mounted on rugged trolleys, designed to meet the demands of the construction and mining industry.

Energy-Saving Airend Design

The energy-saving asymmetrical screw type rotors, mounted on anti-friction bearings rotate at conservative speeds, compressing pulse-free air between lobe-flute spaces. Oil is continuously injected for cooling, lubricating and sealing between the rotor tips and the casing. Since the rotors do not touch each other, there is virtually no wear and tear.

Reliable Prime Mover

ELGI offers a range of rugged diesel engines which have a reputation in the market for their performance and efficiency. This ensures dependable service and good resale value for the customer .

Instrument Panel

- The panel has mechanical air pressure gauge, hour meter, ignition start,override switches and alternator warning light
- Circuit breaker to avoid damages to vital electronic components

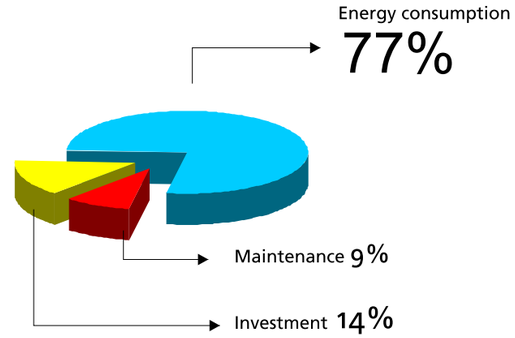
Trolley/Skid mounted diesel powered screw air compressor range

Model	FAD		Working Pressure		Engine	Overall Dimension			Weight
						Length without draw bar	width	height	
	m^3/min	cfm	Kg/cm^2	psi g		mm	mm	mm	Kg
Trolley Mounted									
DL 03 007	4.96	175	7	100	HA 494 KOEL	3650	2100	1900	1480
DL 04 012	8.51	300	7	100	4 BT, 3.9 Cummins	3160	1720	1932	1450
DH 04 016	11.3	400	10.5	150	6 BTA Cummins	4375	1620	2400	2410
DH 05 018	12.77	450	10.5	150	6 BTA Cummins	4375	1620	2400	2410
DL 06 024	17.0	600	7	100	6 BTA Cummins	4375	1620	2400	2410
DV 06 026	18.4	650	14	200	6 CTA Cummins	4450	2100	2537	4190
DH 06 030	21.3	750	8.7	125	6 CTA Cummins	4450	2100	2537	4190
Skid Mounted									
DH 06 019	13.5	475	10.5	150	6BTA Cummins	2780	1100	1837	1800
DV 06 036	25.5	900	14	200	NTA 855 BC Cummins	4570	1640	2350	5390
DX 23 030	21.3	750	17.5	250	NTA 855 BC Cummins	4562	1844	2370	5890
DZ 23 036	25.5	900	24.6	350	KTA 1150C Cummins	4200	2100	2690	5990
DU 23 040	28.3	1000	19.33	275	NTA 855 BC Cummins	4562	1844	2370	5890
DY 23 044	31.15	1100	21.1	300	NTA 855 BC Cummins	4562	1844	2370	5220
DZ 23 044	31.1	1100	24.6	350	KTA 1150 C Cummins	4300	2150	2770	6100

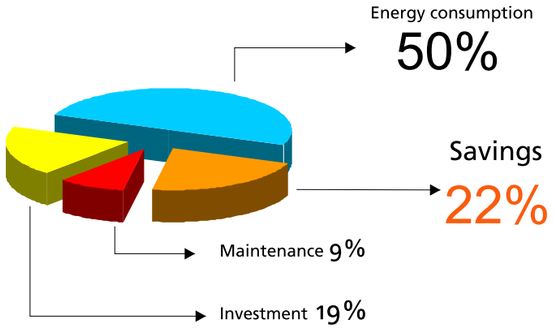
- Refer ISO 1217 / 1996 Annexure C on tolerances for FAD and power consumption

AIR ACCESSORIES
VARIABLE FREQUENCY DRIVES

Typical compressor lifecycle cost without VFD



Typical compressor lifecycle cost with VFD



Advantages

Mechanical
- Minimum maintenance
- Smooth start
- Smooth control

Electrical
- Low starting current
- High efficiency
- Improved power factor
- Reduced maximum demand

Process and Cost
- Accuracy of control
- Enhanced system efficiency
- Higher MBPS
- Cost of investment - justified ROI

ELGI Conserv Variable Frequency Drives

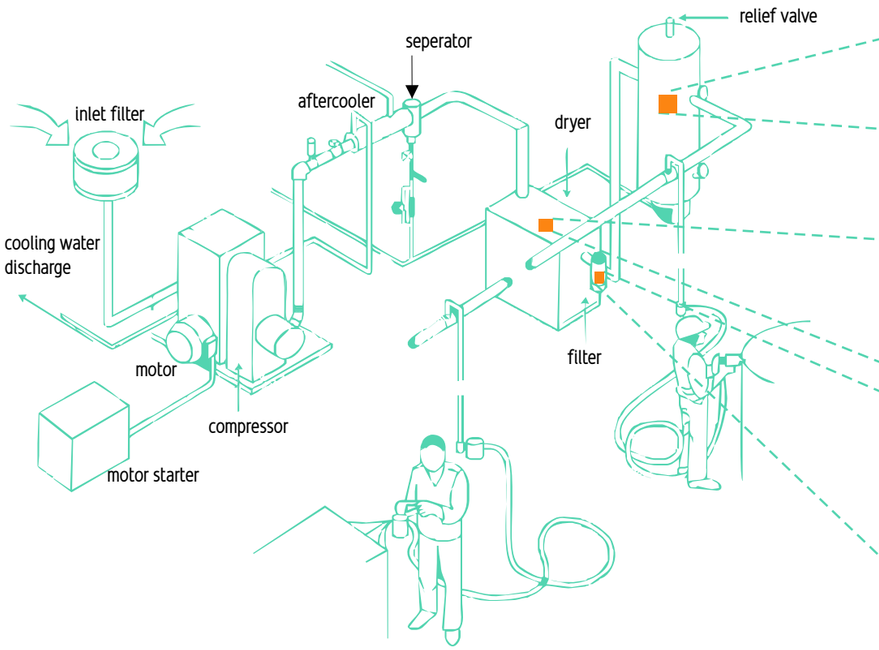
The combination of ELGI Conserv drives with your existing air compressors empowers you with the control to:

- Stabilize plant pressure
- Reduce process variable
- Reduce system cycling
- Reduce maintenance cost
- Extend equipment lifetime
- Optimize energy consumption and increase efficiency
- Protect against damages and downtime

Model	kW	VFD Amps	Dimension
ELVD 011	11	32	1900 x 600 x 600
ELVD 015	15	37.5	1900 x 600 x 600
ELVD 019	19	44	1900 x 600 x 600
ELVD 022	22	44	1900 x 600 x 600
ELVD 030	30	73	1900 x 600 x 600
ELVD 037	37	90	1900 x 600 x 600
ELVD 045	45	106	1900 x 600 x 600
ELVD 055	55	147	1900 x 600 x 600
ELVD 075	75	177	1900 x 600 x 600
ELVD 090	90	212	2300 x 1200 x 450
ELVD 110	110	260	2300 x 1200 x 600
ELVD 132	132	315	2300 x 1200 x 600
ELVD 160	160	368	2300 x 1200 x 600

- Scope of supply includes panel and transmitter along with VFD
- Standard motor complies with IEC60034-17
- VFD to comply with IEC61800-3 (Category 2) standards

AIR ACCESSORIES



Air Receiver

ELGI air receiver is engineered to handle the stress of fluctuating air demands, reduce wear and tear and increase the life of the end use equipment

Specification:

- Capacity :250 - 10000 ltrs.
- Working pressure : 7 - 60 Kgf/cm^2
- Code of construction : ASME sec. V111 div. 1 or IS 2825

Refrigeration Air Dryer

Features:

- Standard controller/visual performance indicator
- Cycle controller
- Capillary refrigerant expansion
- Heat exchanger
- Condensate drain

Specification:

- Capacity :10 - 2000 cfm
- Working pressure : 7 - 60 Kgf/cm^2
- Dew point : +3 deg. C. PDP

Downstream Filter

Features:

- Grade PF high efficiency general purpose protection – for the removal of particles down to 1 micron
- Grade FF high efficiency oil removal filtration-for the removal of particles down to 0.01 micron including water and oil aerosols
- Grade CF activated carbon filtration - for the removal of oil vapour and hydro carbon odour
- Alocrom Aluminium Treatment ensures there is no corrosion and no carry over of corroded particles into the airline

Specification:

- Capacity : 19 - 1200 cfm
- Working pressure : 7 - 60 Kgf/cm^2
- Filtration range : 1 - 0.003 microns

Significant Value Addition

ELGI offers a one-stop shop for the customer by offering the complete set of downstream accessories to improve air quality.

ELGI

Think Long Run

Total Quality

Our manufacturing process adheres to all major international quality standards and we have a fully equipped metrology lab with the latest measuring equipments to ensure that every compressor measures upto your expectations in terms of quality and performance.

Customer Care

ELGI is the first engineering company to have a dedicated customer care centre and toll free customer support line in India at 1800-425-3544.

- Customer care centre works12 hours a day and 6 days a week
- Pending call escalation system for efficient customer service

The Long Run Benefits only with ELGI

Think Long Run, every stride that ELGI takes towards manufacturing and marketing of its products is inspired by these words. This vision is carried through every step in the manufacturing process and enhanced by a strong manufacturer-customer bond that stands the test of time. Over 45 years of experience and continuous innovations make ELGI your ideal partner for compressed air solutions. The fact is those who think long run rely on ELGI.

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