



Product Presentation

TS 05 L D - 12

Piston compressor redefined

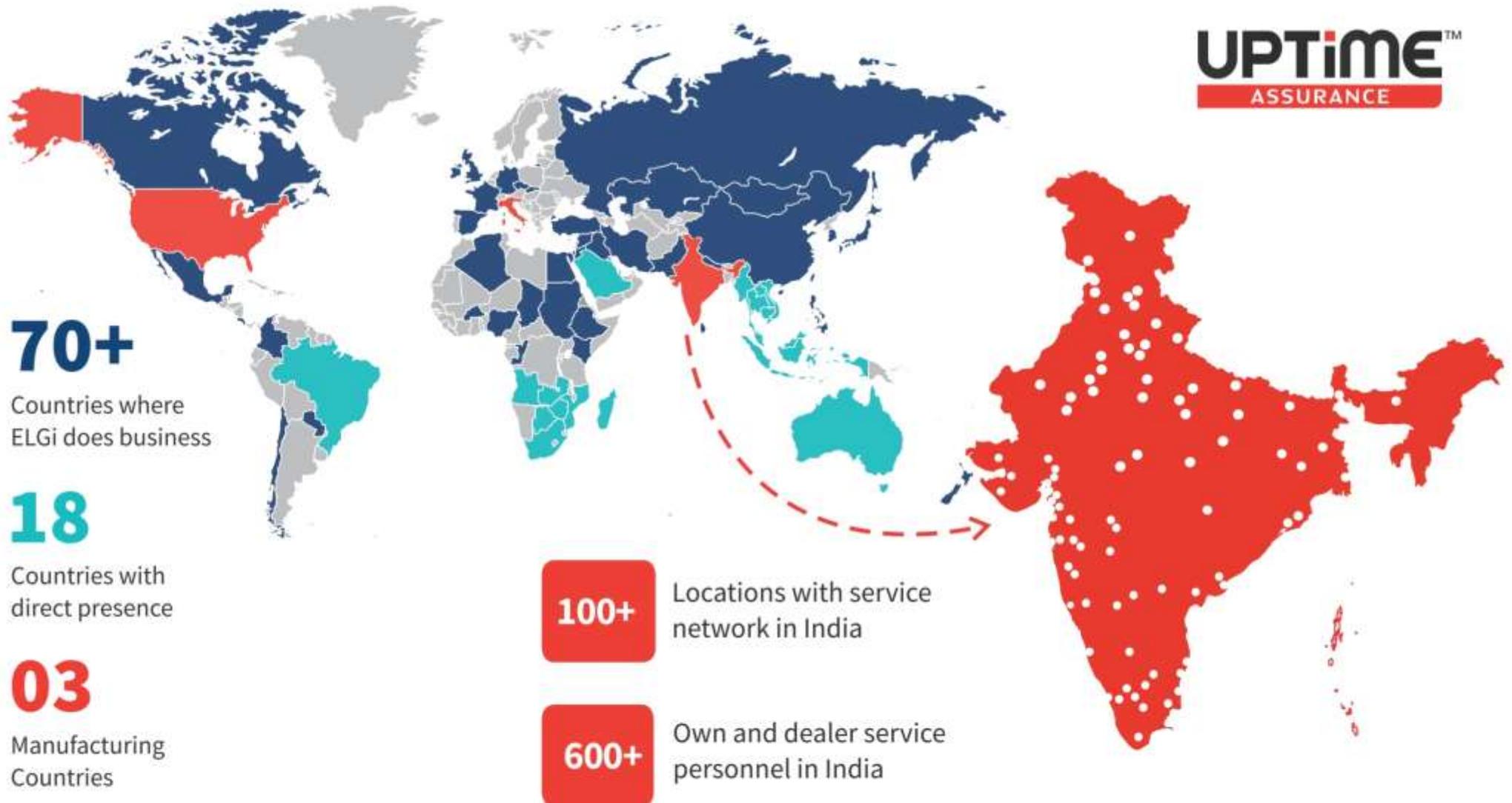
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Always Better.

www.elgi.com

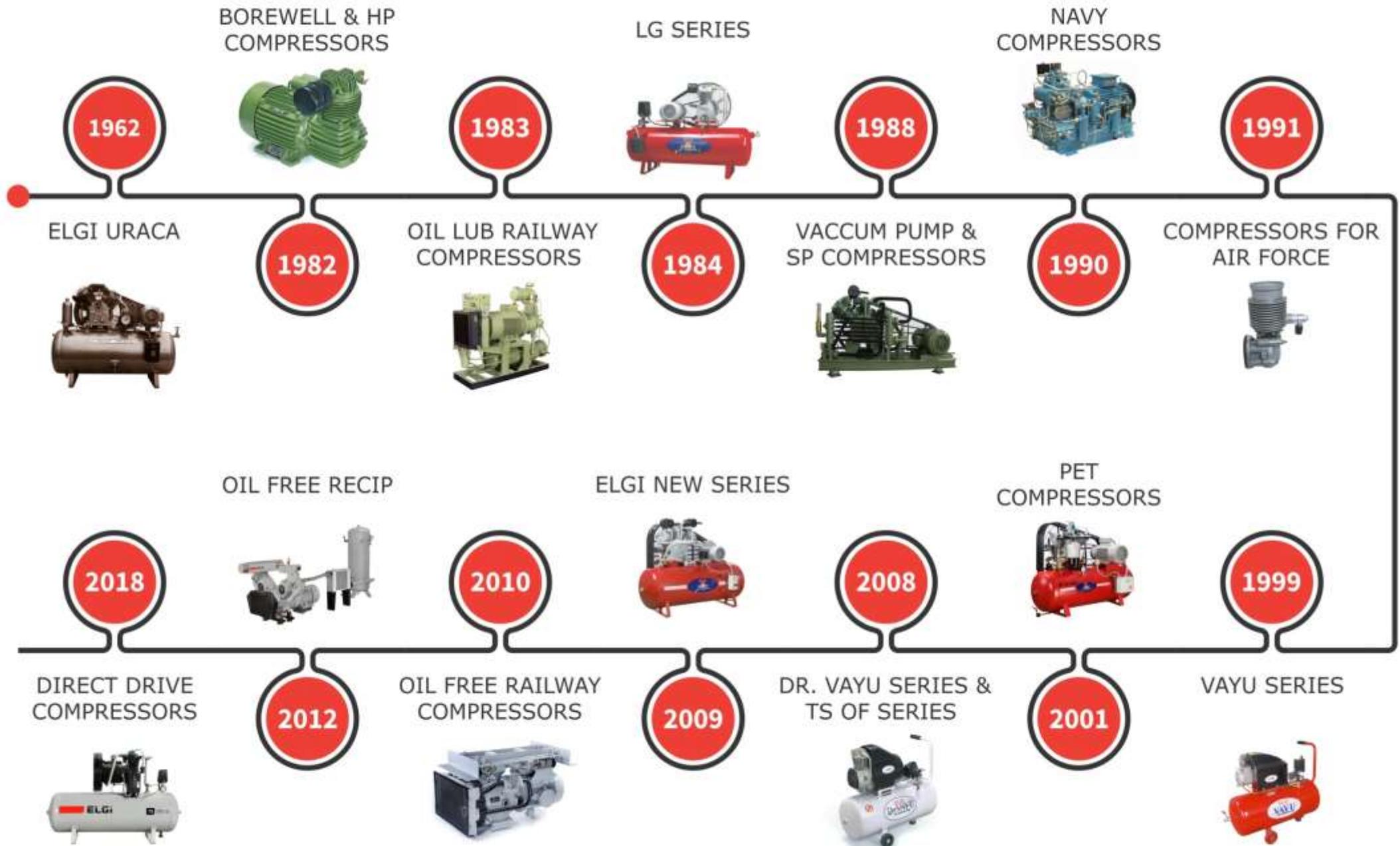
A Global Air Compressor Company with 2 Million Installations Worldwide

ELGi
Always Better.



55 years of Piston Compressor Experience

ELGI
Always Better.



Application Specific Products



Railways



War Ships



Helicopters



Tanks



Bore well



**Mobile
batching plants**



State-of-the-art In-House Facility

ELGi
Always Better.



- In house casting, Machining, PVD tanks and Assembly
- 100% automated testing
- PDI checks

Introducing...The New Direct Drive Compressor

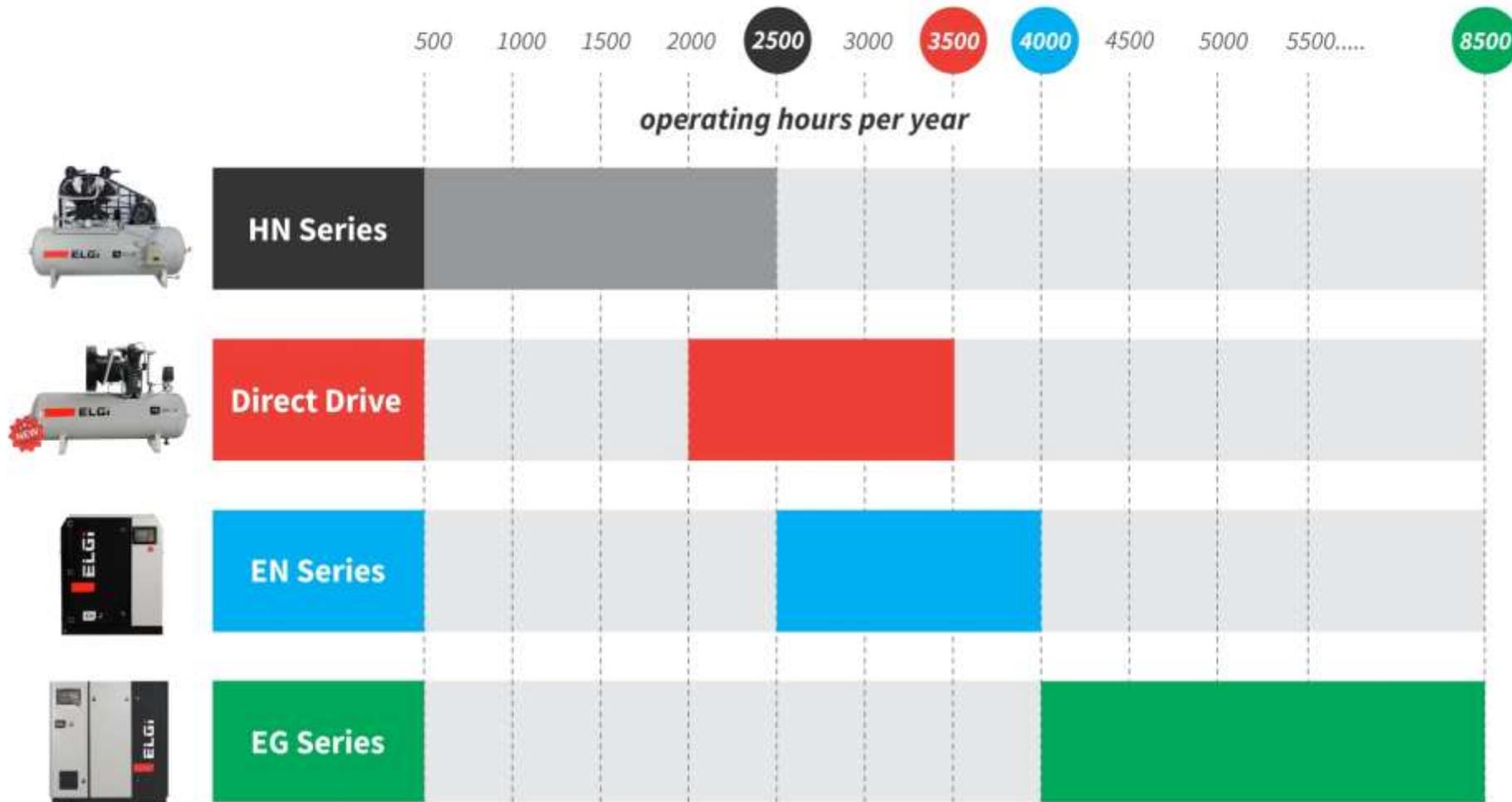
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*3 years UPTIME warranty only for top block
1 year for rest of the package

TS Two Stage **05** Rated power in HP **L** Oil lubricated **D** Direct drive compressor

Product Positioning



Note: Suggested usage does not represent the load handling capability of the compressor. It only suggests the range of economical use to justify a faster return on investment

More reliable than ever

ELGI
Always Better.

Direct drive - Unique integrated design of motor and top block

220 lt Tank

Low operational speed at 960 rpm using a 6 pole motor

Complete cast iron construction

Cast iron connecting rods and crank shaft

Aluminium inter and after cooler

Stainless steel valve plates

Starter and pressure switch of proven reliability over time



Premium Features

Direct drive (No belt transmission loss) results in **5% less energy consumption**



13% lower piston speed results in longer piston and rings life

Efficient IE2 6 - pole low speed motor for longer life



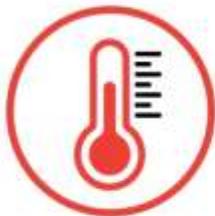
Large inter cooler results in **40% more heat transfer area**



Common cooling fan for **energy efficiency and power saving**



Precise tolerance + transmission results in **7% higher FAD**



Maximum ambient
50°C / 122°F



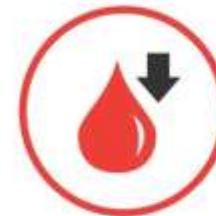
Low noise level
72 dB(A)



20% lesser weight



11% lesser foot print



40% reduced oil utilization



14% reduced service cost



7% lower power cost

Product Specification

Rated Power



No. of stages



Piston displacement



Free air delivery



Rated Pressure



Max. Pressure



Speed of rotation



No. of cylinders



Max. Ambient



Noise level



Weight



Dimension in mm



Genuine Spares

For enhancing performance and productivity



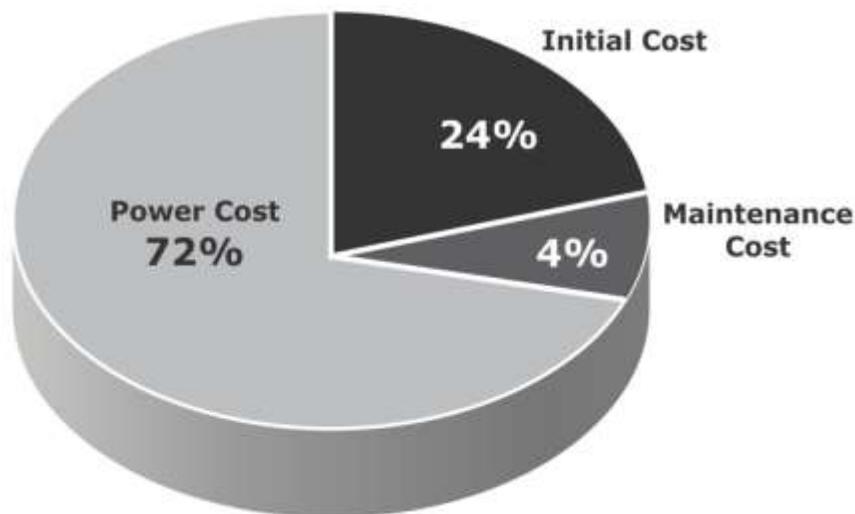
SN	Parts	Every 500 hours or 1 month	Every 1000 hours or 3 month	Every 2500 hours or 1 year	Every 5000 hours or 2 year	Every 7500 hours or 3 year
1	Oil - ELGi Air lube	Replace				
2	Air filter		Replace			
3	Breather valve		Replace			
4	Non return valve (NRV) Kit		Replace			
5	Tune up kit			Replace		
6	Safety valves				Replace	
7	Compressor package					Over haul

Life Cycle Cost Comparison

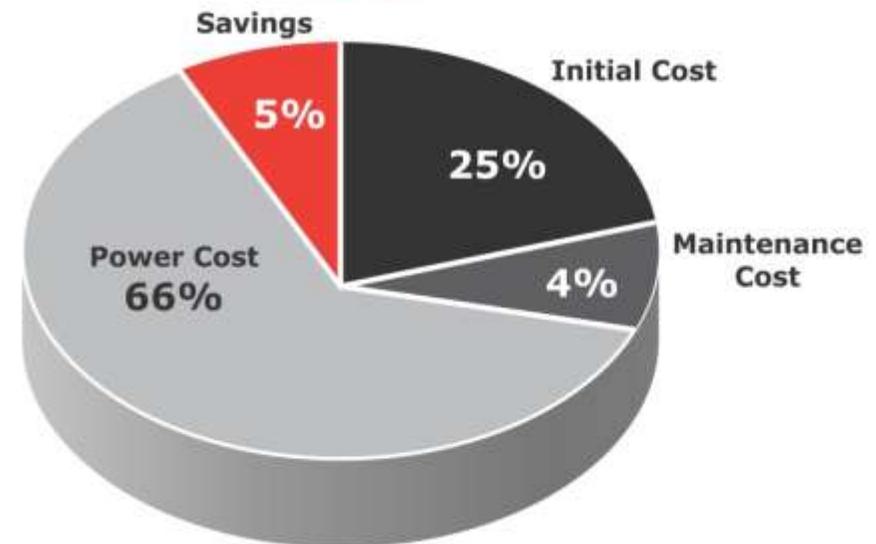
Compressor Rated Power	Operating hours per year (Hrs)							
	500	1000	1500	2000	2500	3000	3500	4000
	Annual Savings (INR)							
TS05 LD Vs. TS05 HN	876	1,752	2,628	3,504	4,380	5,256	6,132	7,008
TS05 LD Vs. National	2,751	5,501	8,252	11,002	13,753	16,503	19,254	22,004
TS05 LD Vs. Regional	1,495	2,990	4,484	5,979	7,474	8,969	10,464	11,959
TS05 LD Vs. Adhoc	4,798	9,597	14,395	19,194	23,992	28,790	33,589	38,387

1. Projected power savings is only indicative arrived based on ELGi's extensive market study on competition machines in the field. Actual savings may vary based on the usage pattern of the compressor

TS05 LB (HN)



TS05 LD



Consideration: Total running hrs per year: 3500 | Power cost: INR 7/kWhr | Total years: 3 | Duty cycle: 70:30

Un-beatable Value Proposition

ELGi
Always Better.

Less service parts, Highly reliable design resulting in very high UPTIME

Installation and service support throughout the world

Savings of 5% in life cycle cost

On-site service

Life long genuine spare parts support

UPTIME Assurance
Air up in 48 hrs

Dedicated customer care system

Customized AMC plans



Target Customers



Customers who run compressors for more than 8 hrs a day



Customers for whom power cost creates a significant impact on their end product price



TCO customers who have small air demand



Customers who prefer compressors operating with low noise



All OEMs who look for a reliable product with good customer value



General engineering



CNC operation



Textiles



Plastics



Foundry



Construction

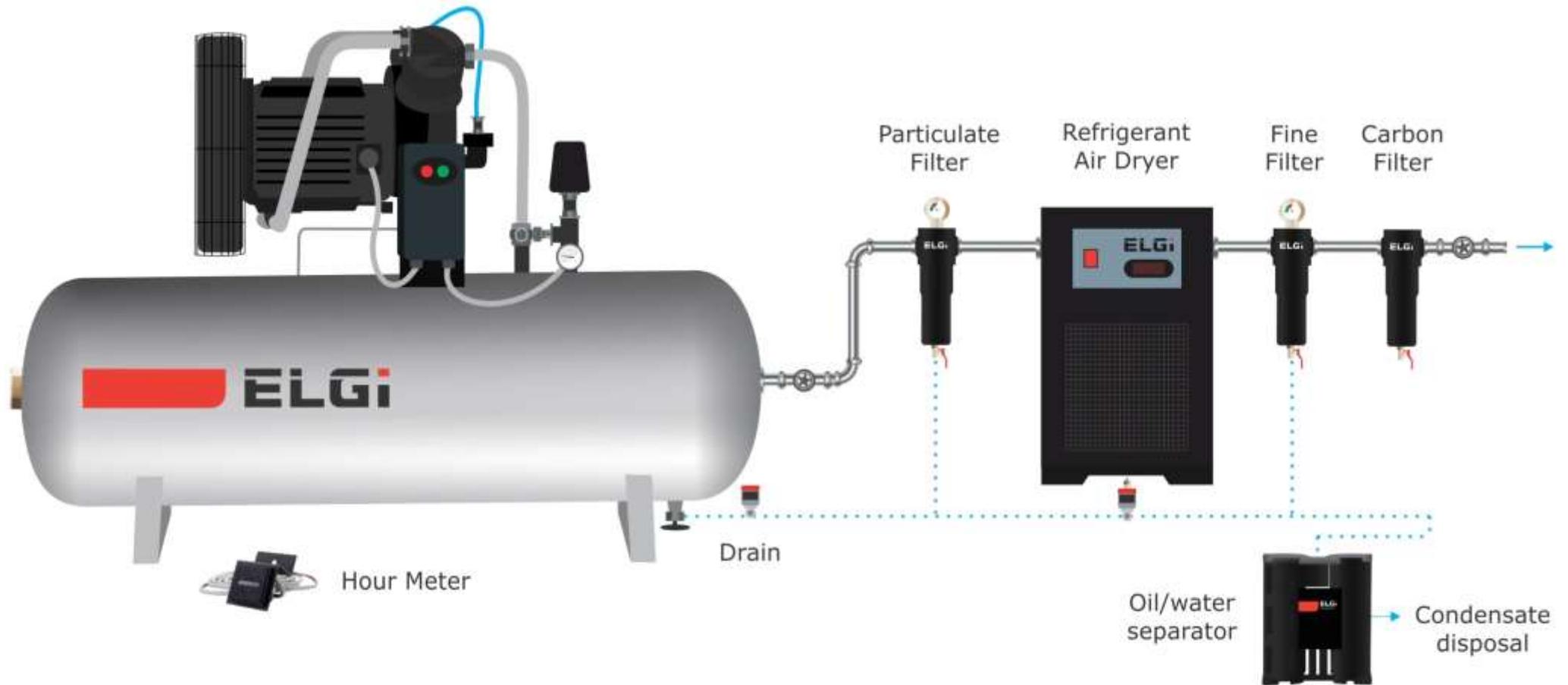


Food and beverages



Automotive

Typical compressed air supply system



Recommended Accessories



Refrigeration air dryer

ELRD 20

Capacity: 20cfm
Max. working pressure: 16bar
230 V, 50 Hz, 1Ø, 1/2" BSP
Class 4



Desiccant dryer

HLD 2X

Capacity: 20cfm
Max. working pressure: 16bar
1/2" BSP
Class 3



Downstream filter

E0018

Capacity: 18cfm
Max. working pressure: 16bar
3/8" BSP
PF / FF / CF

Type	Particulate	Oil
PF	Class 2	Class 2 - 3
FF	Class 0 - 1	Class 1 - 2
CF	NA	Class - 1



Oil water separator

EOS7

Capacity: 70cfm
Oil adsorption: 2lt
1/2" BSP



Drain valves

Timer based (or) Automatic level sensing zero loss drain
Capacity: 50cfm
Max. working pressure: 16bar

Wall mount hour meter



Suggested air accessories with air quality class as per **ISO 8573 : 2010**

Sales Collaterals in C-DOC



ELGI C-DOC INDIA Search by TPL

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[RAC](#)
[Portables](#)
[OFSAC](#)
[CAC](#)
[Accessories](#)

1 **OIL LUBRICATED** OIL FREE

2 SINGLE STAGE **TWO STAGE** HIGH PRESSURE HIGH PRESSURE-PET SUPER PRESSURE

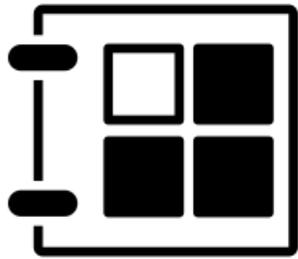
3 3 hp **5 hp** 7.5 hp 10 hp 15 hp 20 hp
25 hp 30 hp 40 hp

TPL	TPL Desc	Pressure Variant	Drive Type	Voltage	Phase
S02561	RAC PACKAGE TS 05 L D - 12	12 bar.g	MOTOR DRIVEN	415V/50Hz	3 PHASE
S02433	TS05 LB-12 TM220L WOE	12 bar.g	WITH OUT ELECTRICAL	415V/50Hz	3 PHASE
S02523	TS05 LB-12 TM220L 60HZ	12 bar.g	MOTOR DRIVEN	220V/60Hz	3 PHASE
S02550	TS05 LB-12 TM220L 60HZ	12 bar.g	MOTOR DRIVEN	220V/60Hz	3 PHASE
S02432	TS05 LB-12 TM220L	12 bar.g	MOTOR DRIVEN	415V/50Hz	3 PHASE
Z02250	TS05 LBE-12 TM220L	12 bar.g	MOTOR DRIVEN	415V/50Hz	3 PHASE

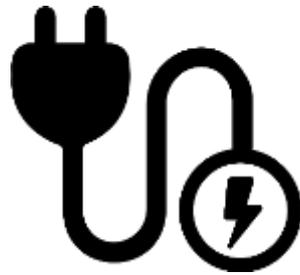
S02561 : RAC PACKAGE TS 05 L D - 12

Document Title	Rev	Size	View	Download
Catalogue	R00	3 MB		
Electrical Drawing	R01	34 KB		
GA Drawing	R03	1 MB		
Specification Sheet	R02	11 KB		
Product Manual	R02.0	6 MB		

Sales Collaterals



Product Catalogue



Electrical Drawing



Product GA Drawing



Specification Sheet



Operation & Maintenance Manual



Product Presentation



Offer Document



Price Details



UPTiME Warranty Document

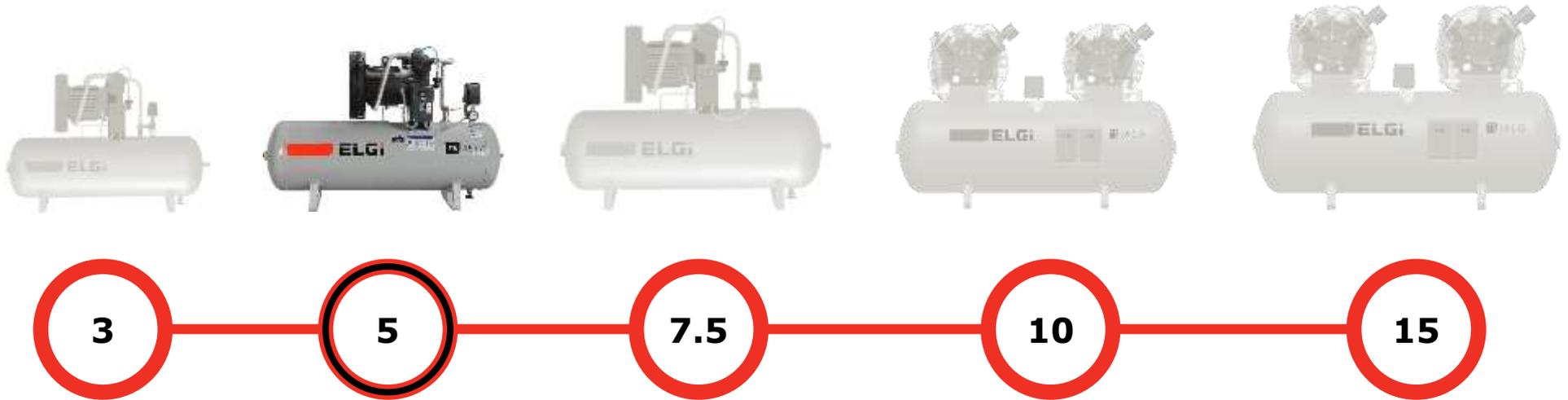


Sales Folder

Coming Soon...

ELGi
Always Better.

The Direct Drive Premium Series





Thank You