



PET-PLUS Series Piston Air Compressors

DALGAKIRAN
COMPRESSED AIR TECHNOLOGIES

PET-PLUS SERIES 25 / 40 / 50 / 60

Dalgakiran manufactures reliable and trouble-free piston compressors with highest performance for PET Blowing industries. PET PLUS series are used to increase standart working air (7-12 bar) to higher pressures (35-40 bar). PET PLUS Series are ideal for PET Bottle production, control air requirements seal testing in pneumatic and hydraulic devices, certain actuating cylinders, presses and clamping fixtures. Regulating the pressure of a high pressure network to reduce for low-pressure applications is simply a waste of money.

> COMPRESSOR BLOCK

- Heavy-duty type cast-iron crankcases contain oil level indicators on crankcase, blowdown valve and oil fill/drain plugs
- Cast-iron cylinders with cooling fins
- Dynamically balanced and precisely manufactured GGG60 crankshafts and counter-weights
- Pistons casted from special aluminum alloy and spheroidal casted connecting rods
- Special design high speed concentric valves made from stainless steel
- Compression and oil retaining rings
- Integrated oil lubrication pump with oil cooler and filter

> MAIN MOTOR AND DRIVE SYSTEM

- Direct-drive system with flexible coupling and bellhousing
- Special loadless operation system standard

> COOLING & LUBRICATING SYSTEMS

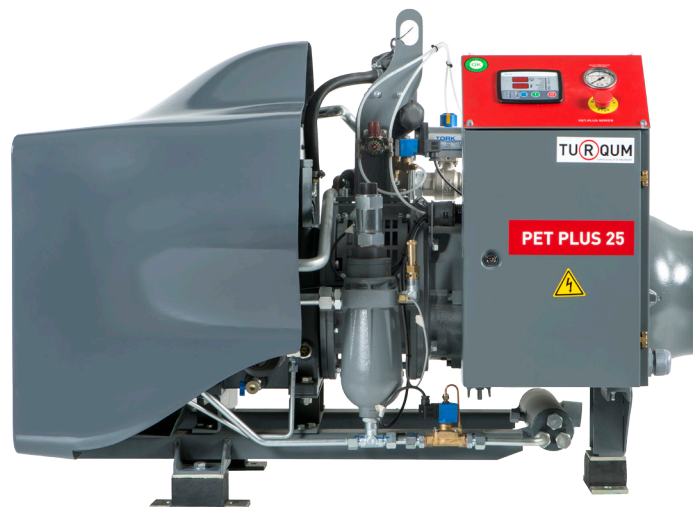
- Two-stage (one for oil cycle, one for air cycle) high pressure aluminum combi-cooler radiator
- Deep cooling fins on the cylinders and the air-flow directing canopy
- Directly coupled oil pump

> ELECTRICAL SYSTEM

- PLC based control and monitoring with digital display
- Flexible operation with up to 100 user controlled parameters such as motor switching, inlet and outlet air pressure and temperature, minimum operating pressure, minimum oil pressure and maximum operating temperature
- Monitoring maintenance intervals with 5 different pre-defined timer structures
- Reliable operation by using less numbers of mechanical control equipment like relays and contactors

> STANDARD FEATURES

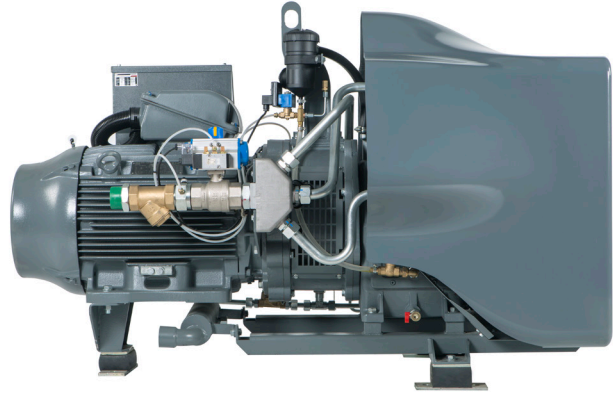
- 3 Stage design maintains lower compression ratios, lower outlet temperatures
- Unique design one-piece composite canopy is manufactured by using a special molding technology and its naturally light-weighted and very resistant to corrosions
- Automatic blowdown system for loadless start
- Long life bearings
- Air-cooled aftercooler
- High Pressure air inlet and outlet hoses & connections
- Water drain hose
- Factory installed special vibration pads
- Factory installed crankcase ventilation system
- Lifting hug





>OPTIONS

- Oil heater
- GPRS module for remote control
- Multi-compressor control up to 8 compressors for identical life cycle
- Food grade lubricant for food production
- Different voltages and frequency options



TECHNICAL DATA

MODEL	PRESSURE		DISPLACEMENT (intake)						MOTOR POWER kW/HP	CONNECTION SIZE	DIMENSIONS mm			WEIGHT kg
			7 bar		10 bar		13 bar				Width	Depth	Height	
	bar	PSI	m ³ /min	SCFM	m ³ /min	SCFM	m ³ /min	SCFM						
PET-PLUS 25	40	580	4,5	158	6,2	218	7,9	277	18,5/25	1"	1380	1100	1030	450
PET-PLUS 40	40	580	7,0	248	9,7	341	12,3	434	30/40	1"	1485	1100	1030	510
PET-PLUS 50	40	580	9,7	342	13,3	471	17,01	599	37/50	1 1/2"	1690	1175	1100	745
PET-PLUS 60	40	580	11,6	409	16,0	563	20,2	716	45/60	1 1/2"	1690	1175	1100	775

1. DALGAKIRAN reserves its rights to make changes in its products and specifications without prior notice.

