



DBK SERIES -RECIPROCATING BOOSTER AIR COMPRESSORS



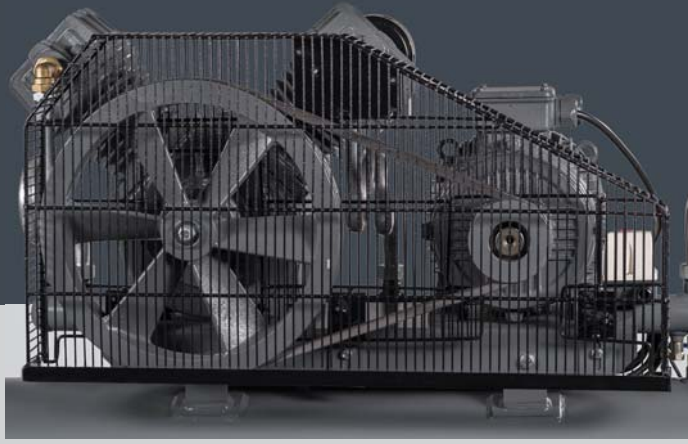
STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, durable compressor blocks are provided as standart in all our products.



RELIABILITY

DALGAKIRAN pressurizes the air entering the compressor at 7-13 bar up to 40 bars with the DBK series booster compressors in its production range. The DBK series products have been preferred by pet bottle manufacturers for many years and have been successfully used in many companies.



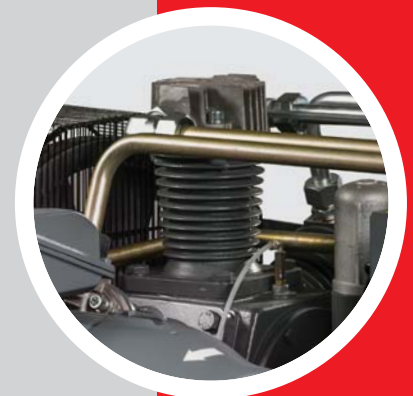
MAIN MOTOR AND DRIVE SYSTEM

- High efficiency 400V/3 phase/50Hz IE3 IP55 electric motor
- Special loadless start system and automatic discharge system for loadless start



COMPRESSOR BLOCK

- Cast iron cylinder with cooling fins and special aluminium alloy cylinder heads
- Specially designed high-speed stainless steel concentric valves.
- Cast iron crankcases with high strength
- Dynamically-balanced cast steel crankshaft and counterweight
- Special alloy aluminium pistons and steel cast connecting rods
- Specially designed finger-type, high-capacity stainless steel suction-discharge valves
- Stainless steel suction-discharge valves, specially designed for high pressure strength





DBK SERIES Reciprocating Booster Air Compressors

DALGAKIRAN pressurizes the air entering the compressor at 7-13 bar up to 40 bars with the DBK series booster compressors in its production range. The DBK series products have been preferred by pet bottle manufacturers for many years and have been successfully used in many companies.

MAIN MOTOR AND DRIVE SYSTEM

- Belt-pulley drive system
- Specially designed fan type cast iron pulley
- Easy belt tensioning system

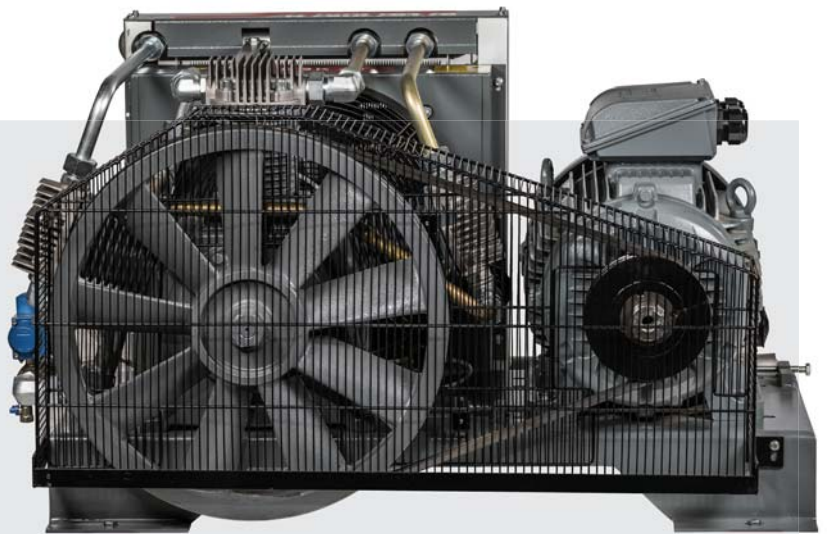


SAFETY SYSTEMS

- Intake air control system
- High pressure switch
- Manual discharge valve
- Integrated check valve on the air outlet line
- Belt pulley housing grill
- Outlet pressure manometer
- High pressure relief valve

OTHER FEATURES

- Automatic discharge system for loadless start
- Bearings with a long service life
- Outlet air cooling radiator
- Loaded-Unloaded operating options
- Air suction filter and silencer for unloaded operation
- Lubrication system with whisking rod
- Oil level gauge
- Special discharge system preventing oil leakage from blowdown valve





OPTIONS

- High pressure air dryer
- High pressure air tank made of CE certified P265GH pressurized container steel (EN 286-1)
- Air filtering system with oil trap
- Food grade oil option
- Main motor with IE4 efficiency class



TECHNICAL DATA

MODEL	PRESSURE				SUCTION CAPACITY						MOTOR POWER kW/HP	AIR CONNECTION	DIMENSIONS mm			WEIGHT kg
	Minimum		Maximum		7 bar		10 bar		13 bar				Width	Length	Height	
	bar	PSI	bar	PSI	m ³ /min	SCFM	m ³ /min	SCFM	m ³ /min	SCFM						
DBK 10	15	218	40	580	2,10	74,2	2,89	102,1	3,67	129,6	7,5/10	1"	1286	825	753	268
DBK 15	15	218	40	580	2,45	86,5	3,37	119,0	4,29	151,5	11/15	1"	1286	825	753	285
DBK 20	15	218	40	580	3,71	131,0	5,10	180,1	6,49	229,2	15/20	1"	1357	820	758	300
DBK 25	15	218	40	580	4,90	173,1	6,73	237,7	8,57	302,7	18,5/25	1 1/4"	1423	874	736	345
DBK 30	15	218	40	580	5,56	196,4	7,65	270,2	9,74	344,0	22/30	1 1/4"	1423	881	736	390
DBK 40	15	218	40	580	6,68	235,9	9,18	324,2	11,68	412,5	30/40	1 1/4"	1423	972	736	426

* DALGAKIRAN compressors reserves the right to make changes on its products without prior notice.

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