

Oil-Injected Rotary Screw Air Compressors TIDY 20B-50

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Dalgakiran's tailored TIDY Series Screw Compressors, the ideal choice for all kind of industry and applications. Every screw compressor model is equipped with an exclusive screw block, constructed with the strongest materials and each compressor ensure exceptional performance, efficiency and long lasting maintenance life.

COMMITTED TO EXCELLENCE

Dalgakiran started to build Rotary Screw Compressors in 1990's, and today offer the most complete range of all kind of screw compressors with proven quality with the means of years of exceptional experience and know-how.

With time proven quality, Dalgakiran TIDY Series Rotary Screw Compressors provide highly efficient solutions for many compressed air applications. Dalgakiran's Compressors are designed to supply long lasting years of efficiency and built to quality standards and suit every application needs.



TIME PROVEN DESIGN

Dalgakiran designed and introduced their first Rotary Screw Compressors in 1990's. Continuous improvements with the innovation in material, machining, assembling techniques with quality, Dalgakiran products are beyond your expectations.

USER FRIENDLY DESIGN

All Dalgakiran Compressor models are built for a broad range of applications, easy & minimum maintenance, have long maintenance intervals and low operating costs. All spare parts are easily available at all service centres across the world network of branches.

WORLDWIDE DISTRIBUTION

Dalgakiran Compressors offers the most reliable solutions for all kind of applications worldwide. Dalgakiran compressors are represented by subsidiary companies and authorised partners in over 50 countries.

quality in details



Oil-Injected Rotary Screw Air Compressors TIDY 20B-50



Tidy 20B-50 Rotary Screw Compressors

Dalgakiran Screw Compressors are designed to serve you trouble free, long life time and each component is selected carefully in accordance with this purpose.

AIREND

High efficiency airends manufactured by the one of the leading airend manufacturers. Our airend design is based on new rotor profile and lobe combination, which is the result of long experience of screw compressor performance, new CAD Methods and utilization of modern production technology.

The new rotor profile with minimized "blow hole" reduces torque requirement, which means lower power consumption.

AIR INTAKE SYSTEM

Replaceable glassfibre panel type pre-fibre and dry type paper filter element, eliminate dusty ambient problems.

AIR/ OIL SEPERATION

Effective design provides three stage separation.

Long life separator elements reduce oil in compressed air to less than 3 ppm.

Spin-on elements provides fast and easy separator element replacement (TIDY 20B-50).

THERMOSTATIC VALVE

4 ways thermostatic valve on a multi-block, provide trouble free operation in low ambient temperatures.

COOLING SYSTEM

High performance and efficient cooling system to ensure the compressor to run at optimum temperature continuously.

Long life free operation with "bar/plate" type aluminium combi-cooler. Coolers are selected to provide trouble free operations even in high ambient temperatures.

Silent and efficient axial fans with new blade profiles.

Water-cooling option with "bar/plate" type copper heat-exchangers.

New fan-housing designs to service and clean coolers easily.



DRIVING SYSTEM

Belts are selected according to 25.000 operating hours. Pulleys with taper bush can be easily disassembled and assembled. Easy belt tensioning system provide trouble free operation.

CONTROL PANEL AND CUBICLE

Electronic LCD panel indicates any type of operational and service activities in the easiest way to make everybody understand perfectly. Different type safety systems provides protection for any type of risk.

All electrical components in the cubicle is chosen from well known brands from all over the world.

VIBRATION PAD

Special rubber vibration pads eliminates vibration and problems it may cause.



Tidy 20B-50 Rotary Screw Compressors

COMPACT CANOPY DESIGN

- Compact machine design provides minimum working space.
- Demontable canopy doors provide easy maintenance and enables easy intervention for every point of the machine.
- Soundproof steel canopy is covered with flame proof special material provide low noise levels.

STANDARD EQUIPMENTS

- Screw compressor
- 380 V/3 ph/50 Hz, IP 54 TEFV motor
- Direct drive system with belt pulley
- Demontable acoustic canopy
- Rigid steel base
- Three micron dry type air inlet filter
- Air/oil separator element with 3ppm efficiency and tank
- Ten micron full flow oil filter
- Minimum pressure valve
- Thermostatic valve
- Pressure relief valve
- Blowdown valve with silencer
- Star-delta cubicle
- Dalgakiran D8 electronic control panel on T20B-T40 and D25 electronic control panel on T40B-T50



COOLING SYSTEM

- High efficiency combi "bar/plate" type air/oil aftercooler
- Cooling fan on separate motor
- Factory filled up to 4000 hours oil

SAFETY SYSTEM

- Motor overload shutdown
- Fan motor overload shutdown
- Phase sequence shutdown
- High airtend discharge temperature shutdown
- High discharge pressure shutdown
- Change separator element indicator
- Air filter change warning
- Pressure relief valve
- Emergency stop button

TIDY 20 B / TIDY 25 / TIDY 30 / TIDY 40 / TIDY 40 B / TIDY 50

Tidy Series

Technical Data and Dimensions*

Model	Bar	m ³ /min.	kW/HP	L (mm)	W (mm)	H (mm)	Air Connection	dBA	Kg
TIDY 20 B	7.5	2.65	15 / 20	1250	850	1465	1"	69	447
	10	2.3							
	13	1.85							
TIDY 25	7.5	3.3	18.5 / 25	1250	850	1465	1"	69	460
	10	2.8							
	13	2.4							
TIDY 30	7.5	3.75	22 / 30	1250	850	1465	1"	70	483
	10	3.5							
	13	3.0							
TIDY 40	7.5	4.6	30 / 40	1550	1030	1750	1 1/4"	70	661
	10	4.0							
	13	3.6							
TIDY 40 B	7.5	5.2	30 / 40	1550	1030	1750	1 1/4"	70	718
	10	4.3							
	13	3.7							
TIDY 50	7.5	6.4	37 / 50	1550	1030	1750	1 1/4"	70	742
	10	5.4							
	13	4.3							

*The specifications and details are subject to change without prior notice

60 Hz versions are available upon request.



Oil-Injected Rotary Screw Air Compressors DVK 60-430



DVK 60-430 Rotary Screw Air Compressors

Dalgakiran Screw Compressors are designed to serve you trouble free, long life time and each component is selected carefully in accordance with this purpose.

AIREND

High efficiency airends manufactured by one of the leading airend manufacturer in the world. Our airend design is based on new rotor profile and lobe combination, which is the result of long experience of screw compressor performance, new CAD Methods and utilization of modern production technology

The new rotor profile with minimized "blow hole" reduces torque requirement, which means lower power consumption.

AIR INTAKE SYSTEM

Two-stage air filtration system to provide clean for airend and cooling system and to eliminate problems in dusty environments.

New range of intake regulators has been developed by using sophisticated software as well as FEM (finite element analysis) and fluid-dynamics to create low-pressure drop.

AIR/ OIL SEPERATION

Effective design provides three stage separation.

Long life seperator elements reduce oil in compressed air less than 3 ppm.

THERMOSTATIC VALVE

4 ways thermostatic valve on multi-block provide trouble free operation in low ambient temperature.



COOLING SYSTEM

High performance and efficient cooling system to ensure the compressor to run at optimum temperature continuously.

Long life trouble free operation with "Bar/Plate" type aluminium combi-cooler. Cooler size is selected to provide trouble free operations even in high ambient temperatures.

Silent and efficient axial fans with new blade profiles.

Water-cooling option with "Bar/Plate" type copper heat-exchangers.

New fan-housing designs to service and clean coolers easily.

DRIVING SYSTEM

Belts are selected according to 25.000 operating hours. Pulleys with taper bush can be easily disassembled and assembled. Easy belt tensioning system provide trouble free operation.

CONTROL PANEL AND CUBICLE

Electronic LCD panel indicates any type of operational and service activites in the easiest way to make everybody understand perfectly. Different type safety systems provides protection for any type of risk.

All electrical components in the cubicle are chosen from well known brand name all over the world.

VIBRATION PAD

Special rubber vibration pads eliminates vibration and problems it may cause.

DVK 60-430 Rotary Screw Air Compressors

COMPACT CANOPY DESIGN

- Compact machine design provides minimum working space.
- Demontable canopy doors provide easy maintenance and enables easy intervention for every point of the machine.
- Soundproof steel canopy is covered with flame proof special material provide low noise levels.

STANDARD EQUIPMENTS

- Screw compressor
- 380 V/3 ph/50 Hz, IP 54 TEFV motor
- Direct drive system with belt-pulley
- Demontable acoustic canopy doors
- Rigid steel base
- Three micron dry type air inlet filter
- Air/oil separator element with 3ppm efficiency and tank
- Ten micron full flow oil filter
- Minimum pressure valve
- Thermostatic valve
- Pressure relief valve
- Blowdown valve with silencer
- Star-delta cubicle
- PLC control panel

COOLING SYSTEM

- High efficiency combi "bar/plate" type air/oil aftercooler
- Cooling fan on separate motor
- Factory filled 2000 hours oil

SAFETY SYSTEM

- Motor overload shutdown
- Fan motor overload shutdown
- Phase sequence shutdown
- PTC for main motor
- High airtend discharge temperature shutdown
- High discharge pressure shutdown
- Change separator element indicator
- Air filter change warning
- Pressure relief valve
- Emergency stop button

OPTIONS

- Electronic level controlled condensate drain
- Marine approved (BV)
- Different voltage & frequency alternatives

Technical Data and Dimensions*

DVK 60 / DVK 60 B / DVK 75 / DVK 100 / DVK 100 B / DVK 125 / DVK 150 / DVK 180 / DVK 220 / DVK 270 / DVK 340 / DVK 430
DVK Series Technical Data and Dimensions*

Model	Bar	m ³ /min.	kW/Hp	L (mm)	W (mm)	H (mm)	Air Connection	dBA	Kg
DVK 60	7.5	7.2	45 / 60	1550	1030	1750	1 1/4"	75	876
	10	6.4							
	13	5.4							
DVK 60 B	7.5	8.0	45 / 60	2000	1200	1800	1 1/2"	74	1160
	10	6.9							
	13	5.6							
DVK 75	7.5	9.6	55 / 75	2000	1200	1800	1 1/2"	76	1410
	10	8.5							
	13	6.6							
DVK 100	7.5	12.4	75 / 100	2000	1200	1800	1 1/2"	78	1571
	10	10.5							
	13	8.7							
DVK 100 B	7.5	13.0	75 / 100	2500	1400	2040	2"	78	1940
	10	10.9							
	13	9.0							
DVK 125	7.5	15.8	90 / 125	2500	1400	2040	2"	79	2240
	10	13.5							
	13	11.0							
DVK 150	7.5	18.8	110 / 150	2500	1400	2040	2"	79	2500
	10	16.5							
	13	14.0							
DVK 180	7.5	22.8	132 / 180	2750	1750	2000	2 1/2"	79	2873
	10	19.5							
	13	16.0							
DVK 220	7.5	27.4	160 / 220	2750	1750	2000	2 1/2"	79	3066
	10	23.0							
	13	19.5							
DVK 270	7.5	36.1	200 / 270	3250	2400	2450	NW 100	79	4860
	10	30.0							
	13	24.0							
DVK 340	7.5	44.0	250 / 340	3250	2400	2450	NW 100	79	5540
	10	37.5							
	13	31.3							
DVK 430	7.5	52.5	315 / 430	3250	2400	2450	NW 125	79	5800
	10	45.5							
	13	39.0							

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60 Hz versions are available upon request.

