



Oil-Injected Rotary Screw Air Compressors TIDY 3-20

DALGAKIRAN DIŐ TİCARET A.Ő.
Address : Eyüp Sultan Mh. Mümınler Cad. No.70
34885 Sancaktepe / İstanbul - Türkiye
Phone : +90 216 311 71 81
Fax : +90 216 311 71 91
www.dalgakiran.com
export@dalgakiran.com

Istanbul European Side Regional Office
Address : Mehmet Akif Mh. Basın Ekspres Yolu Uzay Sk. No.50
34303 İkitelli / İstanbul - Turkey
Phone : +90 212 494 46 46 - 494 23 87
Fax : +90 212 494 41 07
www.dalgakiran.com
export@dalgakiran.com

Germany
59227 Ahlen,
In der Schlinge 6 / Deutschland
Phone : +49 [2382] 940 63 83
+49 [2382] 940 63 84
Fax : +49 [2382] 940 84 90

Russia
2nd Roschinsky Proezd, No.8
115419 Moskow / Russia
Phone : +7(495) 232-21-75, 518-01-18, 507-70-58
Fax : +7(495) 232-21-75
www.dalgakiran.su
infom@dalgakiran.com

United Kingdom
Address : Unit 12 - 13 Peel Mills Industrial Estate Chamberhall Street
Bury Manchester United Kingdom BL9 0LU
Phone : +44 161 764 41 60
Fax : +44 161 764 28 90

Ukraine
Address : Novokonstantinovskaya Str. , No.4A
04080 Kiev / Ukraine
Phone : +38 44 581 13 77
Fax : +38 44 581 54 74
www.dalgakiran.com.ua
info@dalgakiran.com.ua



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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 3-20**

Tidy 3-20 Tank Mounted Screw Compressors

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

SIMPLE

With a simplified, easy to maintain structure and with long life components, a trouble-free operation is provided.

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 compressors performance, new CAD Methods and utilization of modern production technology

In our airends, the male rotor has four lobes and the female five lobes. This provides the shortest seal line and smallest inner leakage and provides more air volume capacity. The new rotor profile with minimized "blow hole" reduces torque requirement, which means low power consumption.

AIR INTAKE SYSTEM

Replaceable glassfibre panel type pre-filter and dry type paper filter element eliminate dusty ambient problem.

Air intake fan creates turbo effect inside of the machine. This effect provide efficient cooling and help the airend intake capacity.

Piston controlled intake valve is chosen right size, which means high capacity and low power consumption.

AIR/OIL SEPERATION

Effective design provides three stage separation.

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

Spin-on elements provides fast and easy seperator element replacement.

THERMOSTATIC VALVE

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



AIR / OIL AFTERCOOLER

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

AIR TANK RECEIVERS

Designed according to CE regulations. Made of special P265 GH type pressure vessel steel. Manual water drain valve. Air discharge valve. Powder coating paint.

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.

FLEXIBLE SYSTEM OPTIONS

Through the "modular system" that provides the technically optimum solution, the opportunity to choose the system that best answers your needs. According to your requirements you can choose;

- Base compressor with sound proof canopy
- Tank mounted compressor with sound proof canopy
- Tank mounted compressor dryer and air filtration solution provided together as an exclusive problem free all in one system functioning even at 45°C ambient temperatures.



Tidy 3-20 Tank Mounted Screw Compressors

CONTROL PANEL AND CUBICLE

Electronic 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 are chosen from well known brand names all over the world.

VIBRATION PAD

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

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 to provide low noise level.



STANDARD EQUIPMENTS

- Screw compressor
- 380 V/3 ph/50 Hz, IP 54 TEFC motor
- Direct drive system with belt pulley
- Demontable acoustic canopy
- Rigid steel base
- Glassfibre pre-filter
- 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
- Star-delta cubicle
- PLC control panel

COOLING SYSTEM

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

SAFETY SYSTEM

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



Tidy 3-20 Tank Mounted Screw Compressors

Technical Data and Dimensions*

TIDY 3 / TIDY 4 / TIDY 5 / TIDY 7 / TIDY 10 / TIDY 15 / TIDY 20

Tidy Tank Mounted Series

Technical Data and Dimensions*

Model	Bar	L/min.	kW/HP	Liter	L (mm)	W (mm)	H (mm)	Air Connection	dBA	Kg
TIDY 3	7.5	250	2.2 / 3.0	200/300***	550	**850 / 1530	**830 / 1305	1/2"	68	240
	10	-								
	13	-								
TIDY 4	7.5	410	3.0 / 4.0	200/300***	550	**850 / 1530	**830 / 1305	1/2"	68	242
	10	320								
	13	-								
TIDY 5	7.5	560	4.0 / 5.5	200/300***	550	**850 / 1530	**830 / 1305	1/2"	69	247
	10	460								
	13	350								
TIDY 7	7.5	770	5.5 / 7.5	200/300***	550	**1000 / 1530	**830 / 1305	1/2"	69	285
	10	650								
	13	530								
TIDY 10	7.5	1150	7.5 / 10.0	500***	642	**1000 / 1905	**830 / 1490	3/4"	69	413
	10	950								
	13	720								
TIDY 15	7.5	1700	11 / 15	500***	650	**1220 / 1905	**910 / 1560	3/4"	69	485
	10	1400								
	13	1100								
TIDY 20	7.5	2250	15 / 20	500***	650	**1220 / 1905	**910 / 1560	3/4"	69	510
	10	1960								
	13	1510								

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

** First given data is for single compressor option, second given data is for tank mounted compressor.

*** Models including dryer air filtration solution option.

60 Hz versions are available upon request.