



## TIDY SERIES -ROTARY SCREW AIR COMPRESSORS



### STANDARD EQUIPMENT

High quality components such as IP55 electric motors with the IE3 efficiency class, IP54 fan motors, star-delta motor starter system, electrical materials selected according to IEC, UL/cUL, CE standards as per the market requirements, high-efficiency screw blocks consuming less energy are provided as standard in all our products.



### SERVICEABILITY

Service-friendly design implemented using a layout that provides instant access to all consumable items, with quick-release protective covers and easy-to-use controllers minimizes downtime and reduces maintenance costs.



## ELECTRONIC CONTROL

Dalgakiran rotary screw compressors are equipped with easy-to-use, robust and long-lasting microprocessor controllers with communication capabilities as per the product line to ensure smooth operation and uninterrupted production.



## SCREW BLOCK

Patented and durable screw block that provides high-capacity of air, and that is specially selected for each model's capacity requirement. Production of air with less loss of air, thanks to the new rotor profiles, and lower torque requirements.

New generation bearing design with increased load carrying capabilities.



## AIR OIL SEPARATOR

Spin-on or immersed type separator design depending on the product line.

### Immersed type separator

High performance separation with three-stage design. More efficient separation at lower volume with deeply wrapped, intertwined separation layers.

Low amount of oil mist in outlet air  $\leq 3$  ppm.

### Spin-on separator

Easy replacement, ease of assembly and disassembly.

Design that does not require a separator tank.

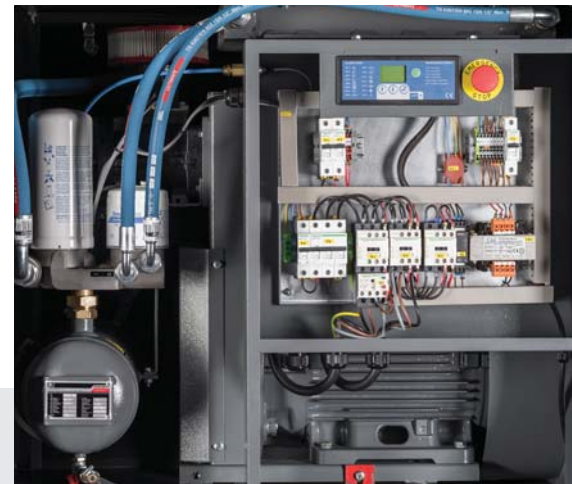


## MAIN MOTOR AND DRIVE SYSTEM

High efficiency 400V/3 phase/50Hz, IE3 IP55 electric motors with F Class insulation.

Star delta motor starting system.

Easy of assembly and disassembly with bush pulleys on belt-pulley models.





## TIDY SERIES Rotary Screw Air Compressors

DALGAKIRAN TIDY series compressors are used safely in all applications of small and medium sized businesses thanks to their high performance in operation.

Its service- and maintenance-friendly compact structure speeds up your work, and minimizes downtime.



### MAIN MOTOR DRIVE SYSTEM

- Belt-pulley drive system
- Serviceability thanks to easy belt tensioning system

### AIR/OIL SEPARATOR

- Easy to disassemble and assemble, service- and maintenance-friendly spin-on type separator.

### COOLING SYSTEM

- Quiet and efficient axial fan directly connected to main motor (TIDY 3-20)
- Additional axial fan with temperature control (TIDY 20B-50)

### OTHER FEATURES

- Compact, small footprint, easy to service.
- Air tank made of CE certified P265GH pressurized container steel (TIDY 3-20) (EN 286-1)



## TECHNICAL DATA

| MODEL     | PRESSURE |     | CAPACITY            |       | AIR TANK CONNECTION | MOTOR POWER KW/HP | AIR CONNECTION | DIMENSIONS mm |        |        | WEIGHT kg | NOISE LEVEL dB(A) |
|-----------|----------|-----|---------------------|-------|---------------------|-------------------|----------------|---------------|--------|--------|-----------|-------------------|
|           | Bar      | PSI | m <sup>3</sup> /min | SCFM  |                     |                   |                | Width         | Length | Height |           |                   |
| TIDY 3    | 7,5      | 110 | 0,38                | 13,4  | 200/250             | 2.2/3,0           | 1/2"           | 1500          | 550    | 1350   | 240       | 68                |
| TIDY 4    | 7,5      | 110 | 0,41                | 14,5  | 200/250             | 3,0/4,0           | 1/2"           | 1500          | 550    | 1350   | 245       | 68                |
|           | 10       | 145 | 0,36                | 12,7  |                     |                   |                |               |        |        |           |                   |
| TIDY 5    | 7,5      | 110 | 0,56                | 19,8  | 200/250             | 4,0/5,5           | 1/2"           | 1500          | 550    | 1350   | 250       | 69                |
|           | 10       | 145 | 0,46                | 16,3  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 0,35                | 12,3  |                     |                   |                |               |        |        |           |                   |
| TIDY 7    | 7,5      | 110 | 0,80                | 28,3  | 200/250             | 5,5/7,5           | 1/2"           | 1500          | 550    | 1325   | 272       | 69                |
|           | 10       | 145 | 0,65                | 23    |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 0,53                | 18,7  |                     |                   |                |               |        |        |           |                   |
| TIDY 10   | 7,5      | 110 | 1,15                | 40,6  | 500                 | 7,5/10            | 3/4"           | 1810          | 640    | 1520   | 385       | 69                |
|           | 10       | 145 | 0,95                | 33,6  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 0,77                | 27,2  |                     |                   |                |               |        |        |           |                   |
| TIDY 15   | 7,5      | 110 | 1,70                | 60    | 500                 | 11/15             | 3/4"           | 1880          | 650    | 1600   | 414       | 69                |
|           | 10       | 145 | 1,40                | 49,5  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 1,16                | 41    |                     |                   |                |               |        |        |           |                   |
| TIDY 20   | 7,5      | 110 | 2,25                | 79,5  | 500                 | 15/20             | 3/4"           | 1880          | 650    | 1600   | 450       | 69                |
|           | 10       | 145 | 1,96                | 69,2  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 1,61                | 56,9  |                     |                   |                |               |        |        |           |                   |
| TIDY 20 B | 7,5      | 110 | 2,70                | 95,4  | -                   | 15/20             | 1"             | 1275          | 850    | 1465   | 410       | 69                |
|           | 10       | 145 | 2,30                | 81,2  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 1,90                | 67,1  |                     |                   |                |               |        |        |           |                   |
| TIDY 25   | 7,5      | 110 | 3,30                | 116,6 | -                   | 18,5/25           | 1"             | 1275          | 850    | 1465   | 420       | 69                |
|           | 10       | 145 | 2,80                | 98,9  |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 2,40                | 84,8  |                     |                   |                |               |        |        |           |                   |
| TIDY 30   | 7,5      | 110 | 3,80                | 134,2 | -                   | 22/30             | 1"             | 1275          | 850    | 1465   | 450       | 70                |
|           | 10       | 145 | 3,50                | 123,6 |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 3,00                | 106,0 |                     |                   |                |               |        |        |           |                   |
| TIDY 40   | 7,5      | 110 | 4,60                | 162,5 | -                   | 30/40             | 1 1/4"         | 1575          | 1030   | 1750   | 683       | 70                |
|           | 10       | 145 | 4,00                | 141,3 |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 3,60                | 127,1 |                     |                   |                |               |        |        |           |                   |
| TIDY 40 B | 7,5      | 110 | 5,20                | 183,7 | -                   | 30/40             | 1 1/4"         | 1575          | 1030   | 1750   | 710       | 70                |
|           | 10       | 145 | 4,30                | 151,9 |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 3,70                | 130,7 |                     |                   |                |               |        |        |           |                   |
| TIDY 50   | 7,5      | 110 | 6,40                | 226   | -                   | 37/50             | 1 1/4"         | 1575          | 1030   | 1750   | 742       | 70                |
|           | 10       | 145 | 5,40                | 190,7 |                     |                   |                |               |        |        |           |                   |
|           | 13       | 190 | 4,30                | 151,9 |                     |                   |                |               |        |        |           |                   |

- These values are recorded under reference conditions of 1 bar absolute air pressure, 0% relative humidity, 20 °C inlet air temperature, 71 °C thermostatic valve set value and Smartoil usage.  
DALGAKIRAN compressors reserves the right to make changes on its products without prior notice.
- Refers to the free air flow measured in accordance with ISO 1217: 2009, Annex C standard.
- The first one among the given volume values is for the model with a tank and without a dryer; and the second one is for the model with a tank and a dryer.
- These are the dimensions of the products with tanks for TIDY 3-20 series models.
- These are the weights of the products with tanks for TIDY 3-20 series models.
- Refers to the sound pressure level with a tolerance of  $\pm 3$  dB(A) measured in accordance with ISO 2151:2004 and ISO 9614/2 standards.

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