

# D/LG/KIR/N



## 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

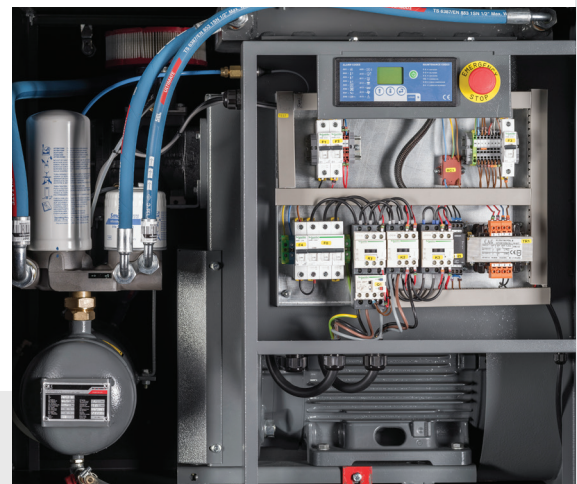
### Spin-on separator

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
- TEFC, premium efficiency electric motor



### AIR/OIL SEPARATOR

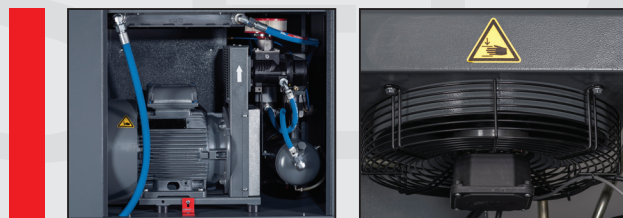
- Easy to disassemble and assemble, service- and maintenance-friendly spin-on type separator.

### COOLING SYSTEM

- Quiet and efficient axial fan directly coupled 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*		Motor Power kW/HP	Connection Size	Receiver Volume/Dryer Model	Dimensions (mm)			Weight kg	Noise** dB(A)
	bar	psi	m <sup>3</sup> /min	cfm				Width	Depth	Height		
TIDY 3	7,5	110	0,38	13,4	2,2/3,0	G 1/2"	200-250L HRD 10	1500	550	1350	240	68
TIDY 4	7,5 10	110 145	0,41 0,36	14,5 12,7	3,0/4,0	G 1/2"	200-250L HRD 20	1500	550	1350	245	68
TIDY 5	7,5 10 13	110 145 190	0,56 0,46 0,35	19,8 16,3 12,3	4,0/5,5	G 1/2"	200-250L HRD 20	1500	550	1350	250	69
TIDY 7	7,5 10 13	110 145 190	0,80 0,65 0,53	28,3 23,0 18,7	5,5/7,5	G 1/2"	200-250L HRD 30	1500	550	1325	272	69
TIDY 10	7,5 10 13	110 145 190	1,15 0,95 0,77	40,6 33,6 27,2	7,5/10	G 3/4"	500L HRD 40	1810	640	1520	385	69
TIDY 15	7,5 10 13	110 145 190	1,70 1,40 1,16	60,0 49,5 41,0	11/15	G 3/4"	500L HRD 40	1880	650	1600	414	69
TIDY 20	7,5 10 13	110 145 190	2,25 1,96 1,61	79,5 69,2 56,9	15/20	G 3/4"	500L HRD 50	1880	650	1600	450	69
TIDY 20 B	7,5 10 13	110 145 190	2,70 2,30 1,90	95,4 81,2 67,1	15/20	G 1"	-	1275	850	1465	410	69
TIDY 25	7,5 10 13	110 145 190	3,30 2,80 2,40	116,6 98,9 84,8	18,5/25	G 1"	-	1275	850	1465	420	69
TIDY 30	7,5 10 13	110 145 190	3,80 3,50 3,00	134,2 123,6 106,0	22/30	G 1"	-	1275	850	1465	450	70
TIDY 40	7,5 10 13	110 145 190	4,60 4,00 3,60	162,5 141,3 127,1	30/40	G 1 1/4"	-	1575	1030	1750	683	70
TIDY 40 B	7,5 10 13	110 145 190	5,20 4,30 3,70	183,7 151,9 130,7	30/40	G 1 1/4"	-	1575	1030	1750	710	70
TIDY 50	7,5 10 13	110 145 190	6,40 5,40 4,30	226,0 190,7 151,9	37/50	G 1 1/4"	-	1575	1030	1750	742	70

- Unit performances measured in reference conditions which are 1 bar absolute air Pressure, %0 relative humidity, 20°C inlet air temperature, 71°C thermostatic valve set temperature and use of Smartoil.
- DALGAKIRAN compressors reserves its rights to make changes in its products and specifications without prior notice.
- Air receiver volume for the TIDY 3-20 series Models with only air receiver and air receiver & air dryer respectively.
- Dimensions of the Models with only air-receiver for TIDY 3-20 series.
- Weights of the Models with only air-receiver for TIDY 3-20 series.
- \* Refers to free air delivery measured according to ISO 1217:2009, Annex C standard.
- \*\* Refers to sound Pressure level measured according to ISO 2151:2004 and ISO 9614/2 with ± 3 dB(A) tolerance.