

DA Ti Series

Air Compressor System

5-22kW Tank Mount, Integrated refrigerant dryer



DA-Ti SERIES

The Denair Tank mount, integrated air compressor series combines the key elements of the compressor plant into a singular unit design. Providing a condensed footprint, making installation and maintenance more effective and efficient.

This series is well suited for small to medium sized industry



Tank Mounted, Integrated Compressor System

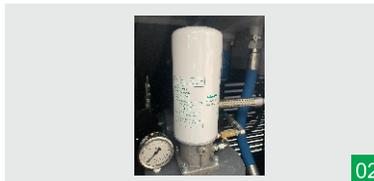
Features and advantages



01

Integrated Air Dryer

- Compact in-built refrigerant dryer reduces the required floor space and simplifies installation
- Removes condensate from compressed air, to avoid corrosion of components in the air system



02

Air-Oil Separation

- Spin on Air-Oil separator makes routine maintenance more efficient.
- Easy, clear access to oil filter and separator



03

Smart Controller

- User friendly, yet power interface to manage the compressors functions durable keyboard,
- Multilingual user interface.
- Includes fault record and alarm indications, service scheduling and connectivity options



04

Drive Train

- 5kW,7kW, 11kW Utilise an easy to adjust belt drive gear reduction
- 15kW,18kW,22kW Utilise a direct drive train for reduced maintenance.



05

Premium Efficiency Drive Motor

- Premium efficiency totally enclosed fan cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55°C (131°F).



06

State-of-the-art Screw Element

- Original DENAIR air end.
- Advanced SAP profile design.
- Rotor material made from American made steel
- Superior Sweden SKF element bearings.

Technical parameters

Model	Maximum Working Pressure		Capacity FAD*				Installed Motor Power		Driving Model & Cooling Method	Noise level** [dB(A)]	Dimensions (mm)			Air tank capacity	Weight	Air outlet pipe diameter					
			50Hz		60Hz						L	W	H								
	bar(g)	psig	m ³ /min	cfm	m ³ /min	cfm	kW	hp						L	kg						
DA5-Ti	8.0	116	0.71	25	0.69	25	5.5	7.5	Belt Driven Air Cooling	62	1585	650	1600	300	510	DN25					
	10.0	145	0.61	22	0.59	21	5.5	7.5		62	1585	650	1600	300	510	DN25					
DA7-Ti	8.0	116	0.93	33	0.91	32	7.5	10		Direct Driven Air Cooling	62	1585	650	1600	300	525	DN25				
	10.0	145	0.84	30	0.81	29	7.5	10			62	1585	650	1600	300	525	DN25				
DA11-Ti	8.0	116	1.78	63	1.73	61	11	15			Direct Driven Air Cooling	62	1585	650	1600	300	545	DN25			
	10.0	145	1.48	52	1.44	51	11	15				62	1585	600	1600	300	545	DN25			
DA15-Ti	8.0	116	2.47	87	2.40	85	15	20				Direct Driven Air Cooling	64	1860	700	1770	500	695	DN40		
	10.0	145	1.83	65	1.78	63	15	20					64	1860	700	1770	500	695	DN40		
DA18-Ti	8.0	116	3.30	116	3.20	113	18.5	25					Direct Driven Air Cooling	64	1860	700	1770	500	750	DN40	
	10.0	145	2.43	86	2.36	83	18.5	25						64	1860	700	1770	500	750	DN40	
DA22-Ti	8.0	116	3.58	127	3.48	123	22	30						Direct Driven Air Cooling	66	1860	700	1770	500	775	DN40
	10.0	145	3.24	115	3.15	111	22	30							66	1860	700	1770	500	775	DN40

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20°C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

1. Pressure dew point of integrated dryer is designed to maintain 3-5°C @ reference conditions.
2. Refrigerant gas used R134A/R410A.
3. Air receiver design certification, available in ASME, PED, AS1210, Other certification requirements are available upon request

Specifications are subject to change without notice.



P-DNR202505-05 Specifications are subject to change without prior notice.
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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