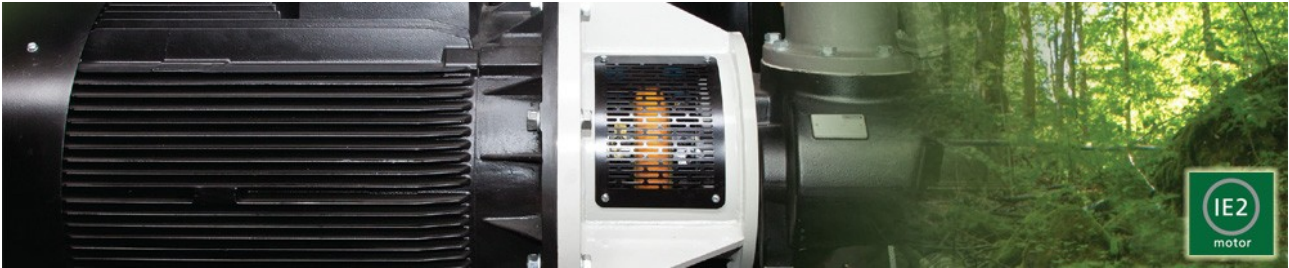


C & R TESTING LTD



Aydın Trafo coupled series compressors eliminate the disadvantages of compressors operating with belt/pulley system. **Minimum transmission loss** contrary to the conventional type connections, electric motor and screw block is connected to each other directly in coupled series connections. In coupled compressor interconnected with direct (1:1) drive, transmission loss arising from the power transmission is reduced to zero.



Minimum failure and service cost

Since no interconnection is used for power transmission, it comprises of less components. Moreover, our compressors providing **low-speed and high air efficiency** are exposed to less friction and service life of internal elements such as screw block, bearing increase **3-4 times** and service and failure costs are minimized.

Low Rpm, High Efficiency
Low Energy And
Maintenance Cost



Minimum speed-Maximum efficiency

Screw block creating compressed air has **the most important part** in long service-life and efficiency of a screw air compressor. If the screw block yields the desired efficiency at the lower speed as much as possible, it will be exposed to less friction and so both screw constituting the screw block and screw bearing assemblies will **not lose performance** and continue to function as long-life.

Screw groups without transmission

Great screw groups used in Aydın Trafo air compressors have screw groups **without transmission** and accelerative gears in them as well as having lower speed comparing to smaller screw groups and high-speed compressors or compressors accelerated with transmission/gear system.



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Direct Coupled Air Compressors



Type	Capacity (m ³ /dak)			Motor Power	Volt Phase	Noise Level (dB)	Air Dish. Dia. (Ø")
	7 bar	10 bar	13 bar				
ATV-30A	5,47	4,20	3,45	30	380/3	73	1 1/2"
ATV-37A	6,29	5,40	4,10	37	380/3	74	1 1/2"
ATV-45A	7,35	7,13	5,33	45	380/3	75	1 1/2"
ATV-55A	10,00	7,80	7,05	55	380/3	76	2"
ATV-75A	12,20	11,05	7,60	75	380/3	77	2"
ATV-90A	16,94	12,00	10,90	90	380/3	78	2"
ATV-110A	17,50	16,50	13,48	110	380/3	79	2"
ATV-132A	20,50	19,72	16,50	132	380/3	80	2"
ATV-160A	24,21	22,17	20,00	160	380/3	82	2 1/2"
ATV-200A	33,00	29,86	21,84	200	380/3	83	2 1/2"
ATV-250A	44,50	37,61	30,57	250	380/3	85	3"

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