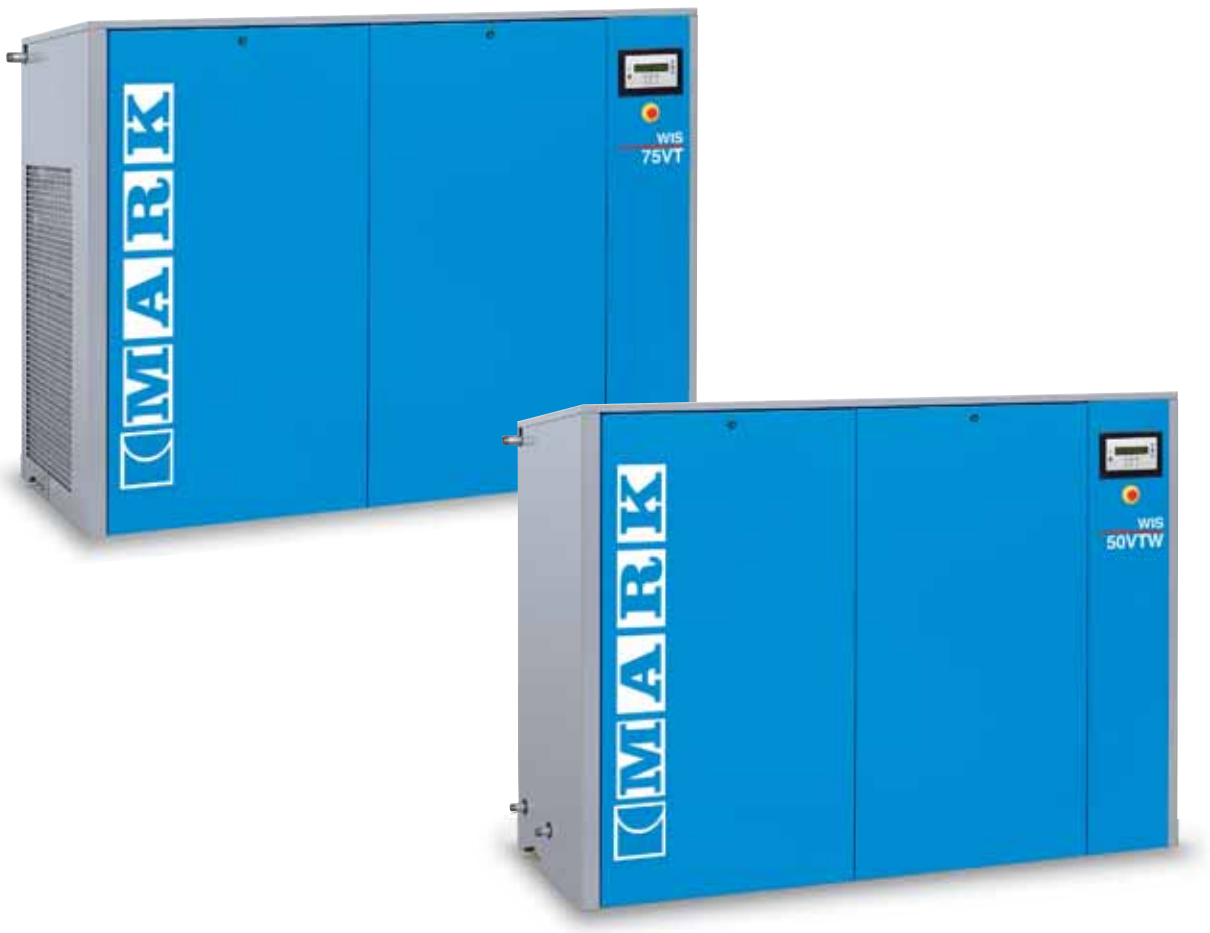
OIL FREE WATER INJECTED SCREW COMPRESSOR
WIS 40-75



PURE AIR

LABORATORY

INDUSTRY

CUSTOMER SERVICE

TECHNOLOGY YOU CAN TRUST

WHY

Due to constant evolution of compressed air tools, machineries and processes, some applications require the use of compressed air totally free of oil. Food and beverage industry, white rooms, laboratories, hospitals are typical exemples; WIS can fulfill these oil free requirements and can also basically replace any oil lubricated installation with extra benefits:

- **Peace of mind:**
  no contamination risk by oil.
- **Low maintenance:**
  no line filters regular exchange required.
- **Energy saving:**
  no extra consumption linked to pressure drop through the filtration installation.
- **Protection of the environment:**
  no polluted condensate and no cost for their treatment.
- **WIS®**
  are class 0 certified and ensure you the best quality of air.

PURE AIR

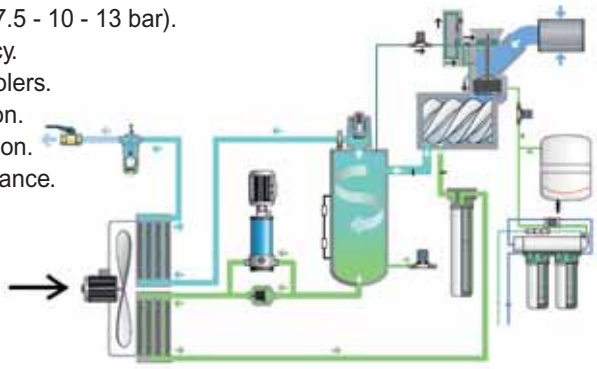
WIS® Technology

WIS® compressors, thanks to water lubrication properties have a low air temperature increase that allows high energy efficiency. They integrate a standard Reverse Osmosis system, which plugged to tap water, refills the main water flow when required with a water free of mineral, sediments and bacteria.
Specific components also equipped the WIS® to avoid premature wear linked to water aggressivity: stainless steel water tank and filter housing, brass couplings and connections, Aluminium/Bronze alloy screw element housing, and polymerised ceramic rotors.
All WIS® are controlled with a sophisticated electronic controller that allows extended communication capability, including room control of up to 4 WIS® (optional).

WIS® 40-75

AIR COOLED oil free air

- 3 pressures (7.5 - 10 - 13 bar).
- Drive efficiency.
- Integrated coolers.
- Quiet operation.
- Easy installation.
- Easy maintenance.



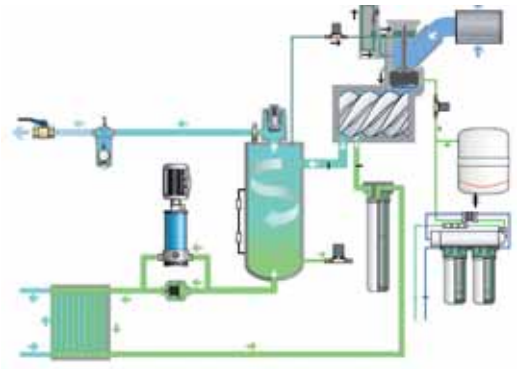
From 40 to 75 HP, direct driven air cooled, are fitted with a high efficiency IP55 main motor and include a turbine and air-air / air-water stainless steel coolers that insure low compressed air outlet temperature. The element is fitted with hydrodynamic bearings, implying no grease is required at all.

DIMENSION cm.

Length	Width	Height
244	97	184

WATER COOLED oil free air

- 3 pressures (7.5 - 10 - 13 bar).
- Drive efficiency.
- Quiet operation.
- Easy maintenance.



Cooling apart, WIS® 40-75 water cooled share the same dimensions and technology as air cooled WIS®. Generously sized water-water cooler allows low compressed air temperature, even in maximum ambient conditions, without using any extra water-air cooler: pressure drop is hence minimum and efficiency improved.

DIMENSION cm.

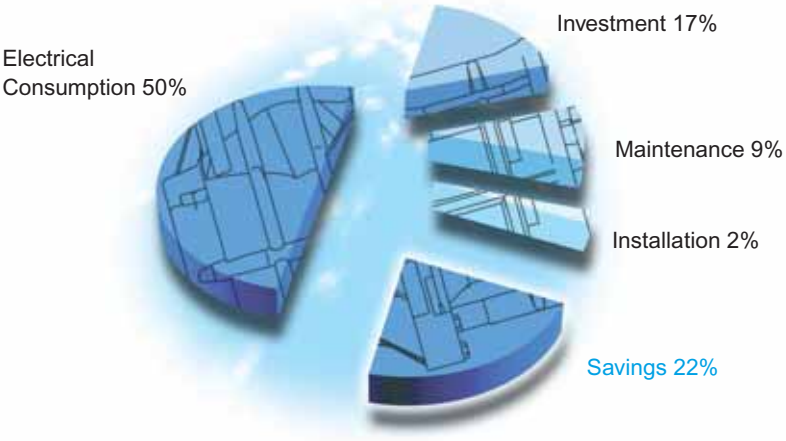
Length	Width	Height
244	97	184

VARIABLE SPEED MODELS (50 - 75 HP)

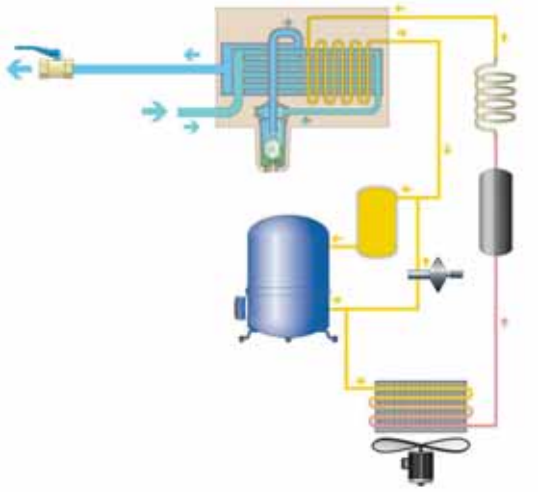
WIS® is also available in two power sizes.
WIS®50V and 75V are direct driven (1:1).

The inverter fitted and ventilated in the cubicle adapts the speed of the motor to the air demand. The energy used for compressed air production, is directly linked to your real need.
As most of the installations have a fluctuating demand, variable speed solution can bring tremendous energy savings and quick payback.

- Soft Start up.
- No current peaks, no mechanical stress.
- Share same service components as fix speed.
- Constant pressure.
- Up to 30% energy savings.



INTEGRATED DRYER OPTION



Any WIS® compressor of the range, can be fitted with an integrated dryer for an optimal air treatment solution:

- Easy installation on the work place.
- Space saving.
- Appropriate dryer dimensioning.
- Low dew point (3°C at reference conditions).
- Low power consumption and low pressure drop.
- Optimized connection to the compressor.

TECHNICAL DATA

Type					Water cooled					Air cooled					
FIX SPEED	bar	psi	HP	kW	m³/1'	m³/h	cfm	dB (A)	kg/kg with dryer	m³/1'	m³/h	cfm	dB (A)	kg/kg with dryer	gas
DIRECT DRIVEN															
WIS 40	7,5	109	40	30	5,100	306	180,1	65	1121/1215	5,317	319	187,8	68	1226/1320	1,5
	10	145			4,100	246	144,8	65		4,267	256	150,7	68		
	13	189			3,183	191	112,4	65		3,300	198	116,5	68		
WIS 50	7,5	109	50	37	6,117	367	216,0	66	1193/1290	6,433	386	227,2	69	1298/1395	1,5
	10	145			5,183	311	183,0	66		5,467	328	193,1	69		
	13	189			4,150	249	146,6	66		4,367	262	154,2	69		
WIS 60	7,5	109	60	45	7,283	437	257,2	67	1216/1313	7,717	463	272,5	71	1321/1416	1,5
	10	145			5,883	353	207,8	67		6,483	389	229,0	71		
	13	189			4,933	296	174,2	67		5,400	324	190,7	71		
WIS 75	7,5	109	75	55	8,350	501	294,9	68	1273/1392	9,167	550	323,7	72	1378/1497	1,5
	10	145			7,083	425	250,1	68		7,867	472	277,8	72		
	13	189			5,900	354	208,4	68		6,533	392	230,7	72		
VARIABLE SPEED															
DIRECT DRIVEN															
WIS 50 V	4,5	63	50	37	2,7-6,66	162-400	95,4-235,2	66	1090/1201	2,76-6,48	166-389	97,5-288,8	69	1195/1306	1,5
	7,5	109			2,52-6,48	151-389	89-228,8	66		2,52-6,24	151-374	89-220,4	69		
	10	145			3,12-5,52	187-331	110,2-194,9	66		3,06-5,34	184-320	108,1-188,6	69		
	13	189			3,9-4,44	234-266	137,7-156,8	66		3,72-4,26	223-256	131,4-150,4	69		
WIS 75 V	4,5	63	75	55	2,71-9,79	162-588	95,6-345,8	69	1090/1209	2,73-9,61	164-577	96,4-339,4	72	1195/1314	1,5
	7,5	109			2,51-9,65	151-579	88,8-340,9	69		2,54-9,29	152-588	89,6-328,2	72		
	10	145			3,11-8,53	187-512	110,0-301,1	69		3,10-8,11	186-487	109,5-286,5	72		
	13	189			3,92-7,02	235-421	138,4-247,9	69		3,64-6,55	218-393	128,4-231,2	72		

Unit performance measured according to ISO 1217, Ed.3, Annex C-1996.
Mean noise level measured according to ISO 2151/Pneurop/Cagi PN8NTC2 test code; tolerance 3 dB(A).

According to UNI EN ISO 9001: 2000 UNI EN ISO 14001

ORIGINAL PART

MARK

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