



***ABAC OIL INJECTED SCREWS***

ABAC Formula 30-75 kW



*WHAT'S NEW ??*

# AIR END DESIGN



## 2 air ends to cover 30-75 kW range

Power range	30	37	45	55	75
IVR belt drive		VS belt drive 37-75 kW			
		S80	S111		
FS belt drive	Fixed speed belt drive 30-75 kW				
		S80	S111		

-Newly designed air ends for ABAC range

4/6 lob combination

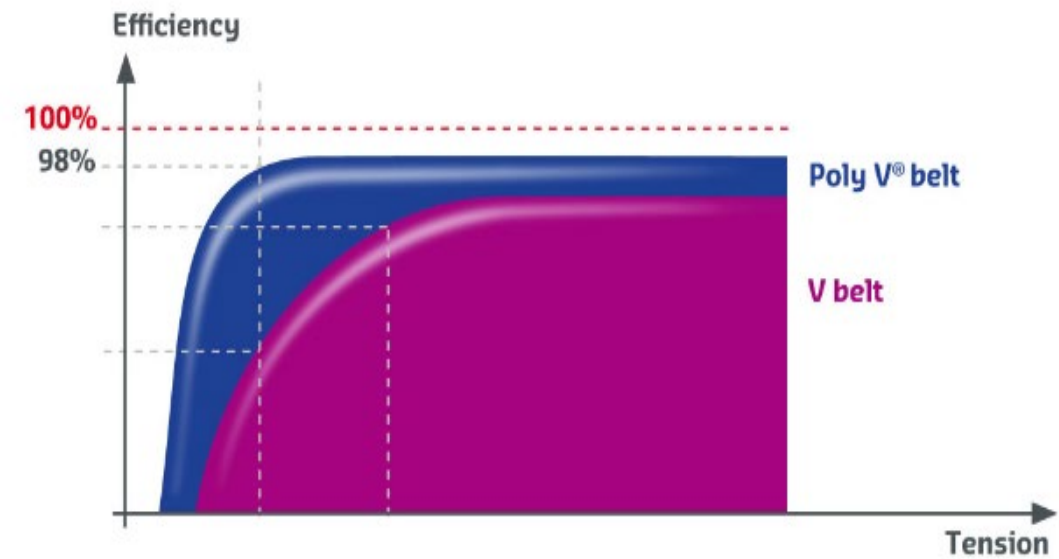
Equal rotor diameters

-Poly V transmission

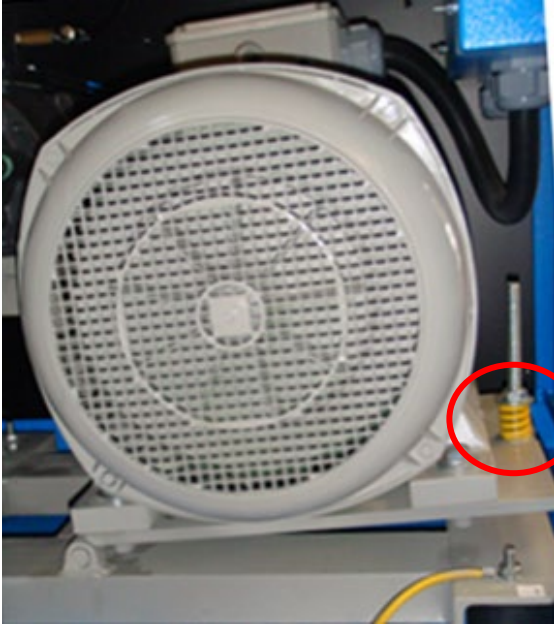
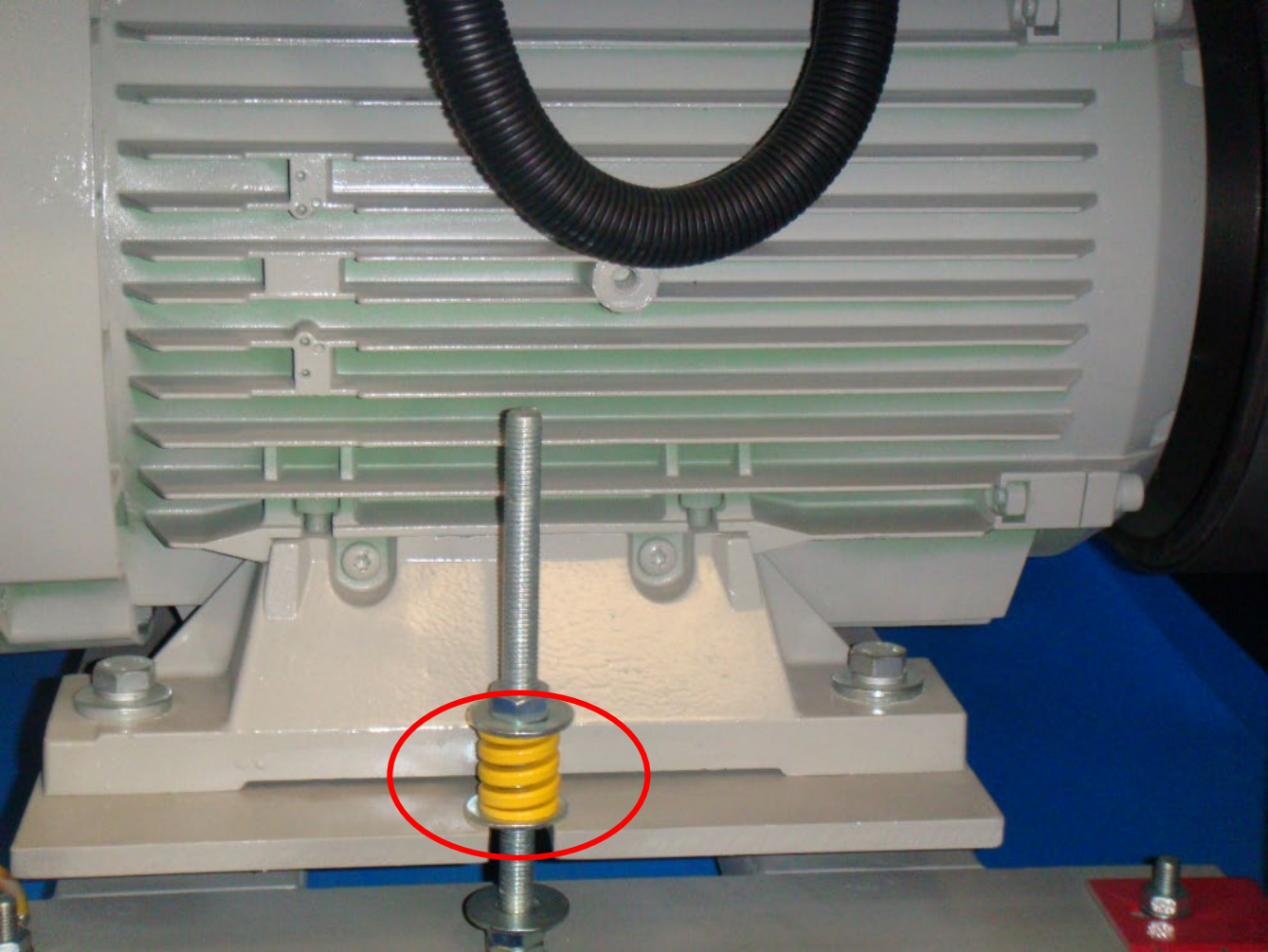
Dual offer  
at 37 kW

# POLY V BELT TRANSMISSION

- Reduced bearing stress
- Compactness
- Improved efficiency
- Better energy consumption
- Reliability
- 12000 Hrs lifetime

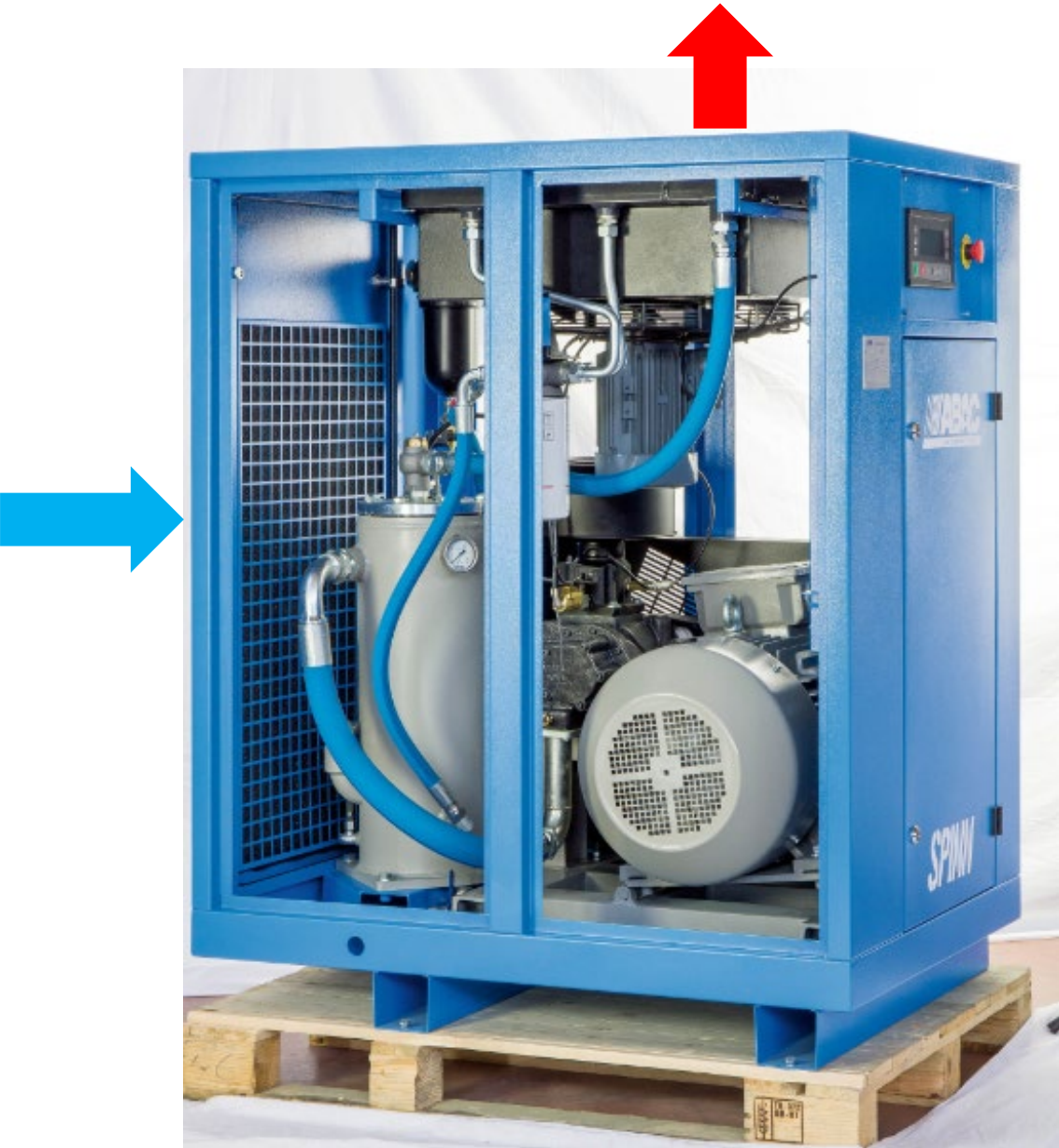


# ***AUTOMATIC BELT TENSIONING***



*WHAT'S KNOWN ??*

# COOLING PRINCIPLE





# CONTROLS



- MC2 Controller
- Phase sequence relay as standard
  - No risk for wrong rotation

- IVR with Vacon inverter
  - Integrated EMC filters

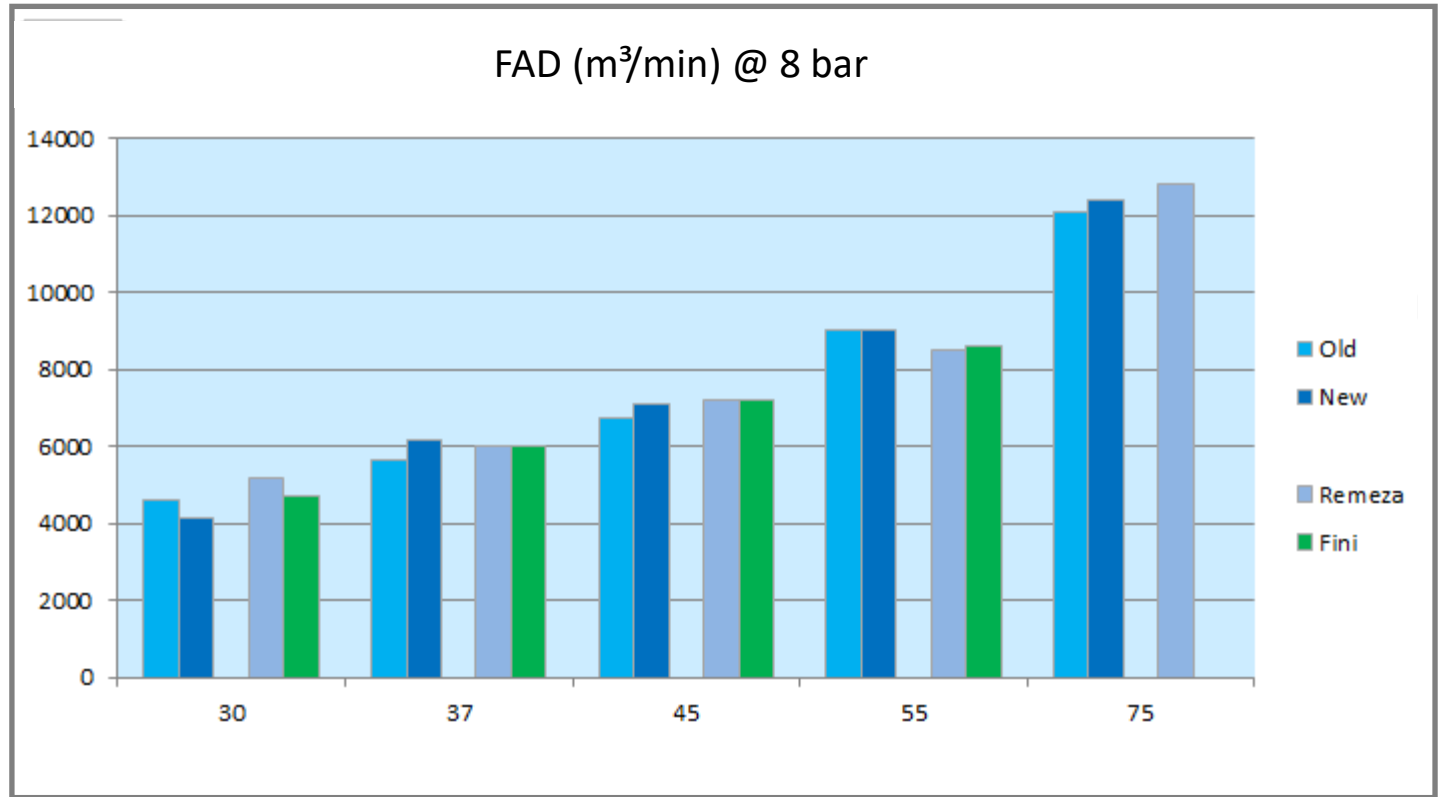


# ***FACTS AND FIGURES***

# PERFORMANCE

ABAC FORMULA 30 S80 50 Hz			
<b>Reference Conditions</b>			
Absolute inlet pressure	bar (a)	1	
Relative humidity	%	70	
Air inlet temperature	°C	20	
<b>Limitations</b>			
Maximum effective working pressure	bar (g)	8	10
Minimum effective working pressure	bar (g)	4	
Maximum ambient temperature	°C	40	
Minimum ambient temperature	°C	5	
<b>Performance Data (1)</b>			
FAD range at reference conditions *	l/m	4140	8620
<b>General Data</b>			
Air-End type		S80	
Air-End rotation speed	rpm	5370	4860
Drive		belt	
Total power input at no load	kW	9,5	9,4
Total power input at full load	kW	31,2	33,0
Compressed air temperature above ambient	°C	10	
Sound pressure level **	dB(A)	45,2	39,0
Specific power consumption (total input)	J/l	452,2	39,0
FAD oil content	ppm	9,4	
Oil capacity	l	33,0	
<b>Electrical Data</b>			
Main motor power	kW (40)	74	
Nominal motor speed	rpm	2945	
Electric motor manufacturer		ZODA	
Voltage supply	Hz / ph	400 / 50 / 3	
Insulating class / Protection	F / IP55	F / IP55	
Efficiency	%	92	
<b>Cooling Data</b>			
Type	air	30 (40)	
Flow	m³/h	4655	
Power	kW (HP)	1,11 (1,5)	
Recoverable energy	kcal/h	22660	
<b>Installation</b>			
Air outlet connection	G	1"	
Dimensions (Length x Width x Height)	mm	1195 x 920 x 1495	
Weight	kg	660	

Available on Business Portal



Comparable with FAD competition

*SERVICE*

# SERVICE INTERVALS



	2000 h	4000 h	8000 h	12000 h
Oil Filter	X	X	X	X
Air Filter	X	X	X	X
Panel Filter	X	X	X	X
Oil separator		X	X	X
MPV valve			X	
Air intake			X	
Thermostatic valve			X	
Poly V belt				X

**Service kits will become available in ASC**

# *SUMMARY*

# SUMMARY

- 2 newly developed air ends



- Poly V transmission



- Service friendly



- Installation friendly

- Phase sequence relay
- Water separator
- MC2 controller



