

SCREW COMPRESSORS	Unit	DMD 30 TECHNICAL SPECIFICATIONS			
		DMD 30 - 7	DMD 30 - 8	DMD 30 - 10	DMD 30 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	0,34	0,33	0,29	0,24
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	2,2			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	2,6	2,8	2,7	2,8
Total compressor input - unload	kW	-	-	-	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	67			
Outlet connection		1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	753 x 506 x 725			
Weight	kg	127			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	3310	3270	2720	2350
Oil charge					
Oil content	l	2,5			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	2	2	3	4
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		90L2 - B3 - IP55			
Nominal output	kW	2,2			
Nominal current	A	4,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,87			
Efficiency	%	81			
Nominal speed	rpm	2860			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2860			
Required heat rejection (from oil/air cooler)	kcal/h	1610			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	541			
Cooling air outlet temperature (for 25°C inlet)	°C	36			
Cooler outlet dimensions for air exhaust duct	mm	230 (w) x 159 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	35			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	4,9			

SCREW COMPRESSORS	Unit	DMD 40 TECHNICAL SPECIFICATIONS			
		DMD 40 - 7	DMD 40 - 8	DMD 40 - 10	DMD 40 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	0,43	0,42	0,38	0,32
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	3			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	3,2	3,3	3,3	3,5
Total compressor input - unload	kW	-	-	-	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	67			
Outlet connection		1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	753 x 506 x 725			
Weight	kg	134			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	3860	3785	3637	3100
Oil charge					
Oil content	l	2,5			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	3	3	4	5
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		100L2 - B3 - IP 55			
Nominal output	kW	3			
Nominal current	A	6			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,88			
Efficiency	%	83			
Nominal speed	rpm	2890			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2890			
Required heat rejection (from oil/air cooler)	kcal/h	2195			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	624			
Cooling air outlet temperature (for 25°C inlet)	°C	38			
Cooler outlet dimensions for air exhaust duct	mm	230 (w) x 159 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	6,5			

SCREW COMPRESSORS	Unit	DMD 55 TECHNICAL SPECIFICATIONS			
		DMD 55 - 7	DMD 55 - 8	DMD 55 - 10	DMD 55 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	0,59	0,58	0,49	0,36
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	4			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	4,6	4,8	4,4	4,3
Total compressor input - unload	kW	2,0	2,0	1,8	1,6
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	68			
Outlet connection		1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	753 x 506 x 725			
Weight	kg	146			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	5161	5086	4342	3550
Oil charge					
Oil content	l	2,5			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	4	4	5	6
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		112M2 - B3 - IP 55			
Nominal output	kW	4			
Nominal current	A	7,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,9			
Efficiency	%	86			
Nominal speed	rpm	2890			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2890			
Required heat rejection (from oil/air cooler)	kcal/h	2925			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	772			
Cooling air outlet temperature (for 25°C inlet)	°C	39			
Cooler outlet dimensions for air exhaust duct	mm	292 (w) x 212 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	25			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	8,0			

SCREW COMPRESSORS	Unit	DMD 75 TECHNICAL SPECIFICATIONS			
		DMD 75 - 7	DMD 75 - 8	DMD 75 - 10	DMD 75 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	0,82	0,77	0,69	0,56
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	5,5			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	6,4	6,5	6,5	6,2
Total compressor input - unload	kW	2,7	2,6	2,5	2,3
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	68			
Outlet connection		1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	753 x 506 x 725			
Weight	kg	150			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	6670	6320	5900	5170
Oil charge					
Oil content	l	2,5			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	5	5	6	7
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		132S2 - B3 - IP55			
Nominal output	kW	5,5			
Nominal current	A	10,4			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,88			
Efficiency	%	86,5			
Nominal speed	rpm	2900			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2900			
Required heat rejection (from oil/air cooler)	kcal/h	4020			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	991			
Cooling air outlet temperature (for 25°C inlet)	°C	40			
Cooler outlet dimensions for air exhaust duct	mm	292 (w) x 212 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	20			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	11,0			

SCREW COMPRESSORS	Unit	DMD 100 TECHNICAL SPECIFICATIONS			
		DMD 100 - 7	DMD 100 - 8	DMD 100 - 10	DMD 100 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	1,15	1,10	0,95	0,75
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	7,5			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	8,5	8,7	8,9	8,6
Total compressor input - unload	kW	3,6	3,5	3,4	3,2
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	70			
Outlet connection		3/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	888 x 686 x 895			
Weight	kg	243			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	3370	3265	2891	2333
Oil charge					
Oil content	l	3			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	7	7	8	9
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		132S2 - B3 - IP55			
Nominal output	kW	7,5			
Nominal current	A	13,8			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,89			
Efficiency	%	88			
Nominal speed	rpm	2900			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2900			
Required heat rejection (from oil/air cooler)	kcal/h	5485			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	1193			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	292 (w) x 292 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	25			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	8,2			

SCREW COMPRESSORS	Unit	DMD 150 TECHNICAL SPECIFICATIONS			
		DMD 150 - 7	DMD 150 - 8	DMD 150 - 10	DMD 150 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	1,70	1,65	1,35	1,17
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	11			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	12,5	12,9	13,1	12,4
Total compressor input - unload	kW	5,3	5,2	4,9	4,6
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	70			
Outlet connection		3/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	888 x 686 x 895			
Weight	kg	252			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	5100	4980	4170	3460
Oil charge					
Oil content	l	3			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	10	11	12	14
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		160M2 - B3 - IP55			
Nominal output	kW	11			
Nominal current	A	20			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,9			
Efficiency	%	90			
Nominal speed	rpm	2900			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2900			
Required heat rejection (from oil/air cooler)	kcal/h	8040			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	1749			
Cooling air outlet temperature (for 25°C inlet)	°C	45			
Cooler outlet dimensions for air exhaust duct	mm	354 (w) x 369 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	20			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	12,5			

SCREW COMPRESSORS	Unit	DMD 200 TECHNICAL SPECIFICATIONS			
		DMD 200 - 7	DMD 200 - 8	DMD 200 - 10	DMD 200 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	2,60	2,50	2,15	1,75
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0			
Total compressor input - maximum load (with fan)	kW	18,1	18,2	17,7	17,5
Total compressor input - unload	kW	5,8	5,7	5,5	5,0
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	888 x 686 x 895			
Weight	kg	265			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	5520	5435	4725	3995
Oil charge					
Oil content	l	3			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	14	15	16	19
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Maximum pressure drop of heat recovery equip.	bar g	0,5			
Main motor					
Type		160M2 - B3 - IP54			
Nominal output	kW	15			
Nominal current	A	28,8			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,89			
Efficiency	%	89			
Nominal speed	rpm	2930			
Insulation class		F			
Independent cooler		-			
Controller					
Type		Electromechanic or AIRMASTER P1 Electronic Control Module			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0			
Nominal fan motor current	A	0			
Fan rotation speed	rpm	2910			
Required heat rejection (from oil/air cooler)	kcal/h	10965			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2385			
Cooling air outlet temperature (for 25°C inlet)	°C	45			
Cooler outlet dimensions for air exhaust duct	mm	354 (w) x 369 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	15			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	16,0			

SCREW COMPRESSORS	Unit	DMD 100 VST TECHNICAL SPECIFICATIONS			
		DMD 100 VST - 7	DMD 100 VST - 8	DMD 100 VST - 10	DMD 100 VST - 13
Compressor					
Maximum working pressure	bar g				
Minimum working pressure	bar g				
Standard pressure setting (load / unload)	bar g				
Internal air pressure high level (shutdown)	bar g				
Maximum capacity (FAD)	m ³ /min				
Minimum capacity (FAD)	m ³ /min				
Ambient temperature	°C				
Nominal main motor output	kW				
Nominal fan motor output	kW				
Total compressor input - maximum load	kW				
Total compressor input - unload (minimum speed)	kW				
Oil outlet	mg/m ³				
Level of sound power	dB(A)				
Outlet connection					
Delivery air temperature	°C				
Dimensions (l x w x h)	mm				
Weight	kg				
Air end					
Type					
Rotation speed (maximum - minimum)	rpm				
Oil charge					
Oil content	l				
First filling (type of oil)					
Air end oil flow rate	l/min				
Operating oil temperature	°C				
Maximum oil temperature	°C				
Main motor					
Type					
Nominal output	kW				
Nominal current	A				
Nominal voltage	V				
Nominal frequency	Hz				
Service factor					
Power factor					
Efficiency	%				
Nominal speed	rpm				
Insulation class					
Independent cooler					
Inverter					
Nominal output	kW				
Nominal current	A				
Nominal voltage	V				
Nominal frequency	Hz				
Controller					
Type					
Transmission					
Design					
Cooling					
Medium					
Nominal fan motor output	kW				
Nominal fan motor current	A				
Fan rotation speed	rpm				
Nominal flow rate of cooling air (at 40°C average)	m ³ /h				
Cooling air outlet temperature (at 25°C)	°C				
Cooler outlet dimensions for air exhaust duct	mm				
Max. pressure drop of cooling air exhaust duct	Pa				
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g				
Delivery air temperature high level	°C				
Delivery air pressure high level	bar g				
Internal air pressure high level	bar g				
Differential pressure high level	bar g				
Max. permissible mains fuse (inert)	A				

SCREW COMPRESSORS	Unit	DMD 150 VST TECHNICAL SPECIFICATIONS			
		DMD 150 VST - 7	DMD 150 VST - 8	DMD 150 VST - 10	DMD 150 VST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min			1,35	
Minimum capacity (FAD)	m ³ /min			0,4	
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load	kW			12,7	
Total compressor input - unload (minimum speed)	kW			1,9	
Oil outlet	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		3/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	978 x 686 x 1020			
Weight	kg	275			

Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm			4170 - 1670	

Oil charge					
Oil content	l	3			
First filling (type of oil)		AIRMAX 2000			
Air end oil flow rate	l/min	10	11	12	14
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			

Main motor					
Type		160M4 - B3 - IP55			
Nominal output	kW	11			
Nominal current	A	22,3			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,84			
Efficiency	%	88,5			
Nominal speed	rpm	1460			
Insulation class		F			
Independent cooler		-			

Inverter					
Nominal output	kW	11			
Nominal current	A	24			
Nominal voltage	V	400			
Nominal frequency	Hz	50			

Controller					
Type		AIRMASTER P1 Electronic Control Module with LCD Display			

Transmission					
Design		Poly-V Belt			

Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	1749			
Cooling air outlet temperature (at 25°C)	°C	40			
Cooler outlet dimensions for air exhaust duct	mm	354 (w) x 369 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			

Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar		14 bar	
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	35			

SCREW COMPRESSORS		DMD 200 VST TECHNICAL SPECIFICATIONS			
	Unit	DMD 200 VST - 7	DMD 200 VST - 8	DMD 200 VST - 10	DMD 200 VST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	2,60	2,50	2,15	1,75
Minimum capacity (FAD)	m ³ /min	0,75	0,70	0,60	0,50
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load	kW	17,2	17,5	17,7	17,6
Total compressor input - unload (minimum speed)	kW	2,9	2,8	2,5	2,2
Oil outlet	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		3/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	978 x 686 x 1020			
Weight	kg	290			
Air end					
Type		oil injection			
Rotation speed (maximum - minimum)	rpm	5550 - 2200	5450 - 2150	4750 - 1900	4000 - 1600
Oil charge					
Oil content	l	3			
First filling (type of oil)		AIRMAX 2000			
Air end oil flow rate	l/min	14	15	16	19
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		160L4 - B3 - IP55			
Nominal output	kW	15			
Nominal current	A	28,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,84			
Efficiency	%	90			
Nominal speed	rpm	1459			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	15			
Nominal current	A	33			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		AIRMASTER P1 Electronic Control Module with LCD Display			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2385			
Cooling air outlet temperature (at 25°C)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	354 (w) x 369 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	20			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	50			

SCREW COMPRESSORS	EKO 15 TECHNICAL SPECIFICATIONS				
	Unit	EKO 15 - 7	EKO 15 - 8	EKO 15 - 10	EKO 15 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
Maximum capacity (FAD)	m ³ /min	2.7	2.6	2.1	1.8
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0.18			
Total compressor input - maximum load (with fan)	kW	17.1	17.8	17.6	18
Total compressor input - unload	kW	5.3	5.2	4.8	4.6
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	895 x 820 x 1495			
Weight	kg	463			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	2800	2717	2223	1933
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	14	15	16	19
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		160M2 - B3 - IP55			
Nominal output	kW	15			
Nominal current	A	26.5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0.9			
Efficiency	%	90			
Nominal speed	rpm	2940			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Poly-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0.18			
Nominal fan motor current	A	0.56			
Fan rotation speed	rpm	1350			
Required heat rejection (from oil/air cooler)	kcal/h	10965			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2385			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	461 (w) x 596 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	16			

SCREW COMPRESSORS		EKO 18 TECHNICAL SPECIFICATIONS			
	Unit	EKO 18 - 7	EKO 18 - 8	EKO 18 - 10	EKO 18 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
Maximum capacity (FAD)	m ³ /min	3.2	3.1	2.7	2.3
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	18.5			
Nominal fan motor output	kW	0.18			
Total compressor input - maximum load (with fan)	kW	20.4	20.9	20.8	21.2
Total compressor input - unload	kW	6.9	6.8	6.4	5.9
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	895 x 820 x 1495			
Weight	kg	475			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	3290	3235	2770	2370
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	17	18	20	23
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		160L2 - B3 - IP55			
Nominal output	kW	18.5			
Nominal current	A	32			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0.91			
Efficiency	%	91			
Nominal speed	rpm	2940			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Poly-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0.18			
Nominal fan motor current	A	0.56			
Fan rotation speed	rpm	1350			
Required heat rejection (from oil/air cooler)	kcal/h	13525			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2941			
Cooling air outlet temperature (for 25°C inlet)	°C	43			
Cooler outlet dimensions for air exhaust duct	mm	461 (w) x 596 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	35			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	19			

SCREW COMPRESSORS	Unit	EKO 22 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS	Unit
		EKO 22 - 7	EKO 22 - 8	EKO 22 - 10	EKO 22 - 13		
Compressor						Compressor	
Maximum working pressure	bar g	7	8	10	13	Maximum working pressure	bar g
Minimum working pressure	bar g	5	5	5	5	Minimum working pressure	bar g
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g
Maximum capacity (FAD)	m ³ /min	3.8	3.7	3.2	2.7	Maximum capacity (FAD)	m ³ /min
Ambient temperature	°C	0 - 45				Ambient temperature	°C
Nominal main motor output	kW	22				Nominal main motor output	kW
Nominal fan motor output	kW	0.18				Nominal fan motor output	kW
Total compressor input - maximum load (with fan)	kW	24.5	24.7	25.1	25.3	Total compressor input - maximum load (with fan)	kW
Total compressor input - unload	kW	8.3	8.1	7.7	7.3	Total compressor input - unload	kW
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³
Level of sound power	dB(A)	74				Level of sound power	dB(A)
Outlet connection		1"				Outlet connection	
Delivery air temperature	°C	10-12 °C above ambient				Delivery air temperature	°C
Dimensions (l x w x h)	mm	895 x 820 x 1495				Dimensions (l x w x h)	mm
Weight	kg	520				Weight	kg
Air end		Oil Injected Rotary Screw Compressor				Air end	
Type						Type	
Rotation speed	rpm	3870	3758	3308	2850	Rotation speed	rpm
Oil charge						Oil charge	
Oil content	l	8				Oil content	l
First filling type of oil		AIRMAX 2000				First filling type of oil	
Air end oil flow rate	l/min	21	22	24	27	Air end oil flow rate	l/min
Operating oil temperature	°C	75 - 105				Operating oil temperature	°C
Maximum oil temperature	°C	115				Maximum oil temperature	°C
Main motor						Main motor	
Type		180M2 - B3 - IP55				Type	
Nominal output	kW	22				Nominal output	kW
Nominal current	A	40.5				Nominal current	A
Nominal voltage	V	400				Nominal voltage	V
Nominal frequency	Hz	50				Nominal frequency	Hz
Service factor		1				Service factor	
Power factor		0.86				Power factor	
Efficiency	%	91.6				Efficiency	%
Nominal speed	rpm	2945				Nominal speed	rpm
Insulation class		F				Insulation class	
Independent cooler		-				Independent cooler	
Controller						Controller	
Type		EKOMASTER II Electronic Control Module with LCD Display				Type	
Transmission						Transmission	
Design		Poly-V Belt				Design	
Cooling						Cooling	
Medium		ambient air				Medium	
Nominal fan motor output	kW	0.18				Nominal fan motor output	kW
Nominal fan motor current	A	0.56				Nominal fan motor current	A
Fan rotation speed	rpm	1350				Fan rotation speed	rpm
Required heat rejection (from oil/air cooler)	kcal/h	16080				Required heat rejection (from oil/air cooler)	kcal/h
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	3498				Nominal flow rate of cooling air (at 40°C average)	m ³ /h
Cooling air outlet temperature (for 25°C inlet)	°C	44				Cooling air outlet temperature (for 25°C inlet)	°C
Cooler outlet dimensions for air exhaust duct	mm	461 (w) x 596 (l/h)				Cooler outlet dimensions for air exhaust duct	mm
Max. pressure drop of cooling air exhaust duct	Pa	30				Max. pressure drop of cooling air exhaust duct	Pa
Safeguarding functions (alarm / shutdown)						Safeguarding functions (alarm / shutdown)	
Safety pressure valve set value	bar g	12 bar			14 bar	Safety pressure valve set value	bar g
Delivery air temperature high level	°C	105 / 115				Delivery air temperature high level	°C
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	Delivery air pressure high level	bar g
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	Internal air pressure high level	bar g
Differential pressure high level	bar g	1 / 1,5				Differential pressure high level	bar g
Main motor overload (overcurrent, shutdown)	A	23.5				Main motor overload (overcurrent, shutdown)	A

EKO 30 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS		EKO 37 TECHNICAL SPECIFICATIONS			
EKO 30 - 7	EKO 30 - 8	EKO 30 - 10	EKO 30 - 13		Unit	EKO 37 - 7	EKO 37 - 8	EKO 37 - 10	EKO 37 - 13
				Compressor					
7	8	10	13	Maximum working pressure	bar g	7	8	10	13
5	5	5	5	Minimum working pressure	bar g	5	5	5	5
6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
5.1	4.8	4.4	3.9	Maximum capacity (FAD)	m ³ /min	6.1	5.9	5.4	4.7
0 - 45				Ambient temperature	°C	0 - 45			
30				Nominal main motor output	kW	37			
0.37				Nominal fan motor output	kW	1.1			
34.3	33.6	34.9	34.6	Total compressor input - maximum load (with fan)	kW	40.6	41.4	42.4	44.1
12.8	12.2	11.5	10.6	Total compressor input - unload	kW	16.7	16.2	15.3	14.2
2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
74				Level of sound power	dB(A)	75			
1 1/4"				Outlet connection		1 1/4"			
10-12 °C above ambient				Delivery air temperature	°C	10-12 °C above ambient			
1195 x 820 x 1495				Dimensions (l x w x h)	mm	1200 x 1000 x 1800			
678				Weight	kg	764			
				Air end					
Oil Injected Rotary Screw Compressor				Type		Oil Injected Rotary Screw Compressor			
5100	4825	4430	3950	Rotation speed	rpm	6070	5870	5350	4850
				Oil charge					
8				Oil content	l	16			
AIRMAX 2000				First filling type of oil		AIRMAX 2000			
28	29	33	37	Air end oil flow rate	l/min	34	36	40	46
75 - 105				Operating oil temperature	°C	75 - 105			
115				Maximum oil temperature	°C	115			
				Main motor					
200L2 - B3 - IP55				Type		200L2 - B3 - IP55			
30				Nominal output	kW	37			
54				Nominal current	A	65			
400				Nominal voltage	V	400			
50				Nominal frequency	Hz	50			
1				Service factor		1			
0.88				Power factor		0.89			
91.8				Efficiency	%	92.9			
2950				Nominal speed	rpm	2955			
F				Insulation class		F			
-				Independent cooler		-			
				Controller					
EKOMASTER II Electronic Control Module with LCD Display				Type		EKOMASTER II Electronic Control Module with LCD Display			
				Transmission					
Poly-V Belt				Design		Poly-V Belt			
				Cooling					
ambient air				Medium		ambient air			
0.37				Nominal fan motor output	kW	1.1			
1.09				Nominal fan motor current	A	2.6			
1370				Fan rotation speed	rpm	1415			
21930				Required heat rejection (from oil/air cooler)	kcal/h	27050			
4770				Nominal flow rate of cooling air (at 40°C average)	m ³ /h	5883			
43				Cooling air outlet temperature (for 25°C inlet)	°C	42			
588 (w) x 645 (l/h)				Cooler outlet dimensions for air exhaust duct	mm	552 (w) x 645 (l/h)			
40				Max. pressure drop of cooling air exhaust duct	Pa	30			
				Safeguarding functions (alarm / shutdown)					
12 bar				Safety pressure valve set value	bar g	12 bar			
105 / 115				Delivery air temperature high level	°C	105 / 115			
8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5	Delivery air pressure high level	bar g	8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5
8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9	Internal air pressure high level	bar g	8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9
1 / 1.5				Differential pressure high level	bar g	1 / 1.5			
32				Main motor overload (overcurrent, shutdown)	A	39			

SCREW COMPRESSORS	Unit	EKO 45 TECHNICAL SPECIFICATIONS				EKO 45 S TECHNICAL SPECIFICATIONS			
		EKO 45 - 7	EKO 45 - 8	EKO 45 - 10	EKO 45 - 13	EKO 45 S - 7	EKO 45 S - 8	EKO 45 S - 10	EKO 45 S - 13
Compressor									
Maximum working pressure	bar g	7	8	10	13	7	8	10	13
Minimum working pressure	bar g	5	5	5	5	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9	8.5	9.5	11.5	13.9
Maximum capacity (FAD)	m ³ /min	7.2	7.1	6.1	5.4	8.1	7.8	7.1	6.2
Ambient temperature	°C	0 - 45				0 - 45			
Nominal main motor output	kW	45				45			
Nominal fan motor output	kW	1.1				1.1			
Total compressor input - maximum load (with fan)	kW	49.5	51.3	50	52.1	50.8	51.2	51	51.8
Total compressor input - unload	kW	20.3	20.1	17.9	16.9	20.7	19.7	18.8	17.6
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4				2 - 4			
Level of sound power	dB(A)	75				75			
Outlet connection		1 1/2"				1 1/2"			
Delivery air temperature	°C	10-12 °C above ambient				10-12 °C above ambient			
Dimensions (L x W x H)	mm	1200 x 1000 x 1800				1200 x 1000 x 1800			
Weight	kg	892				965			
Air end									
Type		Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	7070	6990	6330	5550	4138	4017	3667	3200
Oil charge									
Oil content	l	16				16			
First filling type of oil		AIRMAX 2000				AIRMAX 2000			
Air end oil flow rate	l/min	42	44	49	56	42	44	49	56
Operating oil temperature	°C	75 - 105				75 - 105			
Maximum oil temperature	°C	115				115			
Main motor									
Type		225M2 - B3 - IP55				225M2 - B3 - IP55			
Nominal output	kW	45				45			
Nominal current	A	79				79			
Nominal voltage	V	400				400			
Nominal frequency	Hz	50				50			
Service factor		1				1			
Power factor		0.88				0.88			
Efficiency	%	93.6				93.6			
Nominal speed	rpm	2960				2960			
Insulation class		F				F			
Independent cooler		-				-			
Controller									
Type		EKOMASTER II Electronic Control Module with LCD Display				EKOMASTER II Electronic Control Module with LCD Display			
Transmission									
Design		Poly-V Belt				Poly-V Belt			
Cooling									
Medium		ambient air				ambient air			
Nominal fan motor output	kW	1.1				1.1			
Nominal fan motor current	A	2.6				2.6			
Fan rotation speed	rpm	1415				1415			
Required heat rejection (from oil/air cooler)	kcal/h	32895				32895			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	7154				7154			
Cooling air outlet temperature (for 25°C inlet)	°C	42				43			
Cooler outlet dimensions for air exhaust duct	mm	710 (w) x 760 (l/h)				710 (w) x 760 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	65				60			
Safeguarding functions (alarm / shutdown)									
Safety pressure valve set value	bar g	12 bar				12 bar			
Delivery air temperature high level	°C	105 / 115				105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5				1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	48				48			

SCREW COMPRESSORS		EKO 55 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS	
	Unit	EKO 55 - 7	EKO 55 - 8	EKO 55 - 10	EKO 55 - 13		Unit
Compressor						Compressor	
Maximum working pressure	bar g	7	8	10	13	Maximum working pressure	bar g
Minimum working pressure	bar g	5	5	5	5	Minimum working pressure	bar g
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g
Maximum capacity (FAD)	m ³ /min	9.5	9	8.2	7.4	Maximum capacity (FAD)	m ³ /min
Ambient temperature	°C	0 - 45				Ambient temperature	°C
Nominal main motor output	kW	55				Nominal main motor output	kW
Nominal fan motor output	kW	1.5				Nominal fan motor output	kW
Total compressor input - maximum load (with fan)	kW	60.6	60.8	61.1	61.5	Total compressor input - maximum load (with fan)	kW
Total compressor input - unload	kW	25.5	24.9	23.6	21.2	Total compressor input - unload	kW
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³
Level of sound power	dB(A)	76				Level of sound power	dB(A)
Outlet connection		1 1/2"				Outlet connection	
Delivery air temperature	°C	10-12 °C above ambient				Delivery air temperature	°C
Dimensions (l x w x h)	mm	1300 x 1200 x 1900				Dimensions (l x w x h)	mm
Weight	kg	1175				Weight	kg
Air end		Oil Injected Rotary Screw Compressor				Air end	
Type						Type	
Rotation speed	rpm	4820	4590	4200	3840	Rotation speed	rpm
Oil charge						Oil charge	
Oil content	l	16				Oil content	l
First filling type of oil		AIRMAX 2000				First filling type of oil	
Air end oil flow rate	l/min	48	51	56	64	Air end oil flow rate	l/min
Operating oil temperature	°C	75 - 105				Operating oil temperature	°C
Maximum oil temperature	°C	115				Maximum oil temperature	°C
Main motor						Main motor	
Type		250M2 - B3 - IP55				Type	
Nominal output	kW	55				Nominal output	kW
Nominal current	A	96				Nominal current	A
Nominal voltage	V	400				Nominal voltage	V
Nominal frequency	Hz	50				Nominal frequency	Hz
Service factor		1				Service factor	
Power factor		0.88				Power factor	
Efficiency	%	93.6				Efficiency	%
Nominal speed	rpm	2970				Nominal speed	rpm
Insulation class		F				Insulation class	
Independent cooler		-				Independent cooler	
Controller						Controller	
Type		EKOMASTER II Electronic Control Module with LCD Display				Type	
Transmission						Transmission	
Design		Poly-V Belt				Design	
Cooling						Cooling	
Medium		ambient air				Medium	
Nominal fan motor output	kW	1.5				Nominal fan motor output	kW
Nominal fan motor current	A	3.5				Nominal fan motor current	A
Fan rotation speed	rpm	1420				Fan rotation speed	rpm
Required heat rejection (from oil/air cooler)	kcal/h	40205				Required heat rejection (from oil/air cooler)	kcal/h
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	8744				Nominal flow rate of cooling air (at 40°C average)	m ³ /h
Cooling air outlet temperature (for 25°C inlet)	°C	44				Cooling air outlet temperature (for 25°C inlet)	°C
Cooler outlet dimensions for air exhaust duct	mm	720 (w) x 761 (l/h)				Cooler outlet dimensions for air exhaust duct	mm
Max. pressure drop of cooling air exhaust duct	Pa	80				Max. pressure drop of cooling air exhaust duct	Pa
Safeguarding functions (alarm / shutdown)						Safeguarding functions (alarm / shutdown)	
Safety pressure valve set value	bar g	12 bar			14 bar	Safety pressure valve set value	bar g
Delivery air temperature high level	°C	105 / 115				Delivery air temperature high level	°C
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	Delivery air pressure high level	bar g
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	Internal air pressure high level	bar g
Differential pressure high level	bar g	1 / 1,5				Differential pressure high level	bar g
Main motor overload (overcurrent, shutdown)	A	58				Main motor overload (overcurrent, shutdown)	A

EKO 75 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS		EKO 75 S TECHNICAL SPECIFICATIONS			
EKO 75 - 7	EKO 75 - 8	EKO 75 - 10	EKO 75 - 13		Unit	EKO 75 S - 7	EKO 75 S - 8	EKO 75 S - 10	EKO 75 S - 13
				Compressor					
7	8	10	13	Maximum working pressure	bar g	7	8	10	13
5	5	5	5	Minimum working pressure	bar g	5	5	5	5
6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
12	11.4	10.6	9.4	Maximum capacity (FAD)	m ³ /min	13.7	13.1	12.1	10.6
0 - 45				Ambient temperature	°C	0 - 45			
75				Nominal main motor output	kW	75			
2.2				Nominal fan motor output	kW	2.2			
83.2	83.8	84.5	84.6	Total compressor input - maximum load (with fan)	kW	83.1	83.7	83.4	84
32.4	31	29.2	26.8	Total compressor input - unload	kW	32.7	31.2	28.8	26.2
2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
76				Level of sound power	dB(A)	76			
2"				Outlet connection		2"			
10-12 °C above ambient				Delivery air temperature	°C	10-12 °C above ambient			
1850 x 1360 x 1940				Dimensions (l x w x h)	mm	1850 x 1360 x 1940			
1600				Weight	kg	1840			
				Air end					
Oil Injected Rotary Screw Compressor				Type		Oil Injected Rotary Screw Compressor			
6050	5740	5360	4835	Rotation speed	rpm	3413	3264	3023	2660
				Oil charge					
31				Oil content	l	31			
AIRMAX 2000				First filling type of oil		AIRMAX 2000			
60	64	70	81	Air end oil flow rate	l/min	63	67	74	86
75 - 105				Operating oil temperature	°C	75 - 105			
115				Maximum oil temperature	°C	115			
				Main motor					
280S2 - B3 - IP55				Type		280S4 - B3 - IP55			
75				Nominal output	kW	75			
130				Nominal current	A	136			
400				Nominal voltage	V	400			
50				Nominal frequency	Hz	50			
1				Service factor		1			
0.88				Power factor		0.85			
94.5				Efficiency	%	94.2			
2975				Nominal speed	rpm	1485			
F				Insulation class		F			
-				Independent cooler		-			
				Controller					
EKOMASTER II Electronic Control Module with LCD Display				Type		EKOMASTER II Electronic Control Module with LCD Display			
				Transmission					
Poly-V Belt				Design		Poly-V Belt			
				Cooling					
ambient air				Medium		ambient air			
2.2				Nominal fan motor output	kW	2.2			
4.8				Nominal fan motor current	A	4.8			
1430				Fan rotation speed	rpm	1430			
54825				Required heat rejection (from oil/air cooler)	kcal/h	54825			
11923				Nominal flow rate of cooling air (at 40°C average)	m ³ /h	11923			
42				Cooling air outlet temperature (for 25°C inlet)	°C	42			
850 (w) x 818 (l/h)				Cooler outlet dimensions for air exhaust duct	mm	850 (w) x 818 (l/h)			
80				Max. pressure drop of cooling air exhaust duct	Pa	80			
				Safeguarding functions (alarm / shutdown)					
12 bar				Safety pressure valve set value	bar g	12 bar			
105 / 115				Delivery air temperature high level	°C	105 / 115			
8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5	Delivery air pressure high level	bar g	8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5
8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9	Internal air pressure high level	bar g	8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9
1 / 1.5				Differential pressure high level	bar g	1 / 1.5			
77				Main motor overload (overcurrent, shutdown)	A	77			

SCREW COMPRESSORS	Unit	EKO 90 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS	Unit
		EKO 90 - 7	EKO 90 - 8	EKO 90 - 10	EKO 90 - 13		
Compressor						Compressor	
Maximum working pressure	bar g	7	8	10	13	Maximum working pressure	bar g
Minimum working pressure	bar g	5	5	5	5	Minimum working pressure	bar g
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g
Maximum capacity (FAD)	m ³ /min	15.8	14.9	13.6	12	Maximum capacity (FAD)	m ³ /min
Ambient temperature	°C	0 - 45				Ambient temperature	°C
Nominal main motor output	kW	90				Nominal main motor output	kW
Nominal fan motor output	kW	2.2				Nominal fan motor output	kW
Total compressor input - maximum load (with fan)	kW	97.4	97.6	97.5	97.8	Total compressor input - maximum load (with fan)	kW
Total compressor input - unload	kW	38.2	36.9	34.7	32.3	Total compressor input - unload	kW
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³
Level of sound power	dB(A)	77				Level of sound power	dB(A)
Outlet connection		2"				Outlet connection	
Delivery air temperature	°C	10-12 °C above ambient				Delivery air temperature	°C
Dimensions (l x w x h)	mm	1850 x 1360 x 1940				Dimensions (l x w x h)	mm
Weight	kg	2100				Weight	kg
Air end		Oil Injected Rotary Screw Compressor				Air end	
Type						Type	
Rotation speed	rpm	3935	3725	3400	3020	Rotation speed	rpm
Oil charge						Oil charge	
Oil content	l	31				Oil content	l
First filling type of oil		AIRMAX 2000				First filling type of oil	
Air end oil flow rate	l/min	70	75	84	95	Air end oil flow rate	l/min
Operating oil temperature	°C	75 - 105				Operating oil temperature	°C
Maximum oil temperature	°C	115				Maximum oil temperature	°C
Main motor						Main motor	
Type		280M4 - B3 - IP55				Type	
Nominal output	kW	90				Nominal output	kW
Nominal current	A	160				Nominal current	A
Nominal voltage	V	400				Nominal voltage	V
Nominal frequency	Hz	50				Nominal frequency	Hz
Service factor		1				Service factor	
Power factor		0.86				Power factor	
Efficiency	%	94.6				Efficiency	%
Nominal speed	rpm	1485				Nominal speed	rpm
Insulation class		F				Insulation class	
Independent cooler		-				Independent cooler	
Controller						Controller	
Type		EKOMASTER II Electronic Control Module with LCD Display				Type	
Transmission						Transmission	
Design		Poly-V Belt				Design	
Cooling						Cooling	
Medium		ambient air				Medium	
Nominal fan motor output	kW	2.2				Nominal fan motor output	kW
Nominal fan motor current	A	4.8				Nominal fan motor current	A
Fan rotation speed	rpm	1430				Fan rotation speed	rpm
Required heat rejection (from oil/air cooler)	kcal/h	65790				Required heat rejection (from oil/air cooler)	kcal/h
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	14308				Nominal flow rate of cooling air (at 40°C average)	m ³ /h
Cooling air outlet temperature (for 25°C inlet)	°C	44				Cooling air outlet temperature (for 25°C inlet)	°C
Cooler outlet dimensions for air exhaust duct	mm	850 (w) x 818 (l/h)				Cooler outlet dimensions for air exhaust duct	mm
Max. pressure drop of cooling air exhaust duct	Pa	60				Max. pressure drop of cooling air exhaust duct	Pa
Safeguarding functions (alarm / shutdown)						Safeguarding functions (alarm / shutdown)	
Safety pressure valve set value	bar g	12 bar			14 bar	Safety pressure valve set value	bar g
Delivery air temperature high level	°C	105 / 115				Delivery air temperature high level	°C
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	Delivery air pressure high level	bar g
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	Internal air pressure high level	bar g
Differential pressure high level	bar g	1 / 1,5				Differential pressure high level	bar g
Main motor overload (overcurrent, shutdown)	A	92.5				Main motor overload (overcurrent, shutdown)	A

EKO 110 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS		EKO 110 S TECHNICAL SPECIFICATIONS			
EKO 110 - 7	EKO 110 - 8	EKO 110 - 10	EKO 110 - 13		Unit	EKO 110 - 7	EKO 110 - 8	EKO 110 - 10	EKO 110 - 13
				Compressor					
7	8	10	13	Maximum working pressure	bar g	7	8	10	13
5	5	5	5	Minimum working pressure	bar g	5	5	5	5
6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
18.2	17.9	15.8	14.2	Maximum capacity (FAD)	m ³ /min	19.2	18.2	16.5	14.6
0 - 45				Ambient temperature	°C	0 - 45			
110				Nominal main motor output	kW	110			
3				Nominal fan motor output	kW	3			
118.6	120.4	119.5	120.4	Total compressor input - maximum load (with fan)	kW	119.3	120.9	121.7	117.9
47.1	46.4	41.3	37.5	Total compressor input - unload	kW	50.6	48.5	42.8	37.2
2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
78				Level of sound power	dB(A)	77			
2"				Outlet connection		2"			
10-12 °C above ambient				Delivery air temperature	°C	10-12 °C above ambient			
2100 x 1500 x 1950				Dimensions (l x w x h)	mm	2100 x 1500 x 1950			
2440				Weight	kg	2700			
				Air end					
Oil Injected Rotary Screw Compressor				Type		Oil Injected Rotary Screw Compressor			
4490	4420	3920	3540	Rotation speed	rpm	2480	2350	2150	1900
				Oil charge					
40				Oil content	l	40			
AIRMAX 2000				First filling type of oil		AIRMAX 2000			
79	85	97	115	Air end oil flow rate	l/min	83	89	100	118
75 - 105				Operating oil temperature	°C	75 - 105			
115				Maximum oil temperature	°C	115			
				Main motor					
315S4 - B3 - IP55				Type		315S4 - B3 - IP55			
110				Nominal output	kW	110			
198				Nominal current	A	198			
400				Nominal voltage	V	400			
50				Nominal frequency	Hz	50			
1				Service factor		1			
0.85				Power factor		0.85			
94.6				Efficiency	%	94.6			
1488				Nominal speed	rpm	1488			
F				Insulation class		F			
-				Independent cooler		-			
				Controller					
EKOMASTER II Electronic Control Module with LCD Display				Type		EKOMASTER II Electronic Control Module with LCD Display			
				Transmission					
Poly-V Belt				Design		Poly-V Belt			
				Cooling					
ambient air				Medium		ambient air			
3				Nominal fan motor output	kW	3			
6.5				Nominal fan motor current	A	6.5			
1425				Fan rotation speed	rpm	1425			
80410				Required heat rejection (from oil/air cooler)	kcal/h	80410			
17488				Nominal flow rate of cooling air (at 40°C average)	m ³ /h	17488			
44				Cooling air outlet temperature (for 25°C inlet)	°C	44			
960 (w) x 1092 (l/h)				Cooler outlet dimensions for air exhaust duct	mm	960 (w) x 1092 (l/h)			
50				Max. pressure drop of cooling air exhaust duct	Pa	50			
				Safeguarding functions (alarm / shutdown)					
12 bar				Safety pressure valve set value	bar g	12 bar		14 bar	
105 / 115				Delivery air temperature high level	°C	105 / 115			
8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5	Delivery air pressure high level	bar g	8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5
8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9	Internal air pressure high level	bar g	8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9
1 / 1.5				Differential pressure high level	bar g	1 / 1.5			
112				Main motor overload (overcurrent, shutdown)	A	112			

SCREW COMPRESSORS	EKO 132 TECHNICAL SPECIFICATIONS					SCREW COMPRESSORS
	Unit	EKO 132 - 7	EKO 110 - 8	EKO 132 - 10	EKO 132 - 13	
Compressor						Compressor
Maximum working pressure	bar g	7	8	10	13	Maximum working pressure
Minimum working pressure	bar g	5	5	5	5	Minimum working pressure
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)
Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)
Maximum capacity (FAD)	m ³ /min	23.3	22.3	19.5	16.2	Maximum capacity (FAD)
Ambient temperature	°C	0 - 45				Ambient temperature
Nominal main motor output	kW	132				Nominal main motor output
Nominal fan motor output	kW	3				Nominal fan motor output
Total compressor input - maximum load (with fan)	kW	144.1	145.2	143.8	143.4	Total compressor input - maximum load (with fan)
Total compressor input - unload	kW	61.3	59.7	55.9	51.1	Total compressor input - unload
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4				Oil outlet (Oil carry-over in final air)
Level of sound power	dB(A)	78				Level of sound power
Outlet connection		DN 80				Outlet connection
Delivery air temperature	°C	10-12 °C above ambient				Delivery air temperature
Dimensions (l x w x h)	mm	2510 x 1900 x 1910				Dimensions (l x w x h)
Weight	kg	3480				Weight
Air end		Oil Injected Rotary Screw Compressor				Air end
Type						Type
Rotation speed	rpm	2980	2850	2540	2150	Rotation speed
Oil charge						Oil charge
Oil content	l	90				Oil content
First filling type of oil		AIRMAX 2000				First filling type of oil
Air end oil flow rate	l/min	100	107	121	142	Air end oil flow rate
Operating oil temperature	°C	75 - 105				Operating oil temperature
Maximum oil temperature	°C	115				Maximum oil temperature
Main motor						Main motor
Type		315M4 - B3 - IP55				Type
Nominal output	kW	132				Nominal output
Nominal current	A	235				Nominal current
Nominal voltage	V	400				Nominal voltage
Nominal frequency	Hz	50				Nominal frequency
Service factor		1				Service factor
Power factor		0.85				Power factor
Efficiency	%	95.2				Efficiency
Nominal speed	rpm	1488				Nominal speed
Insulation class		F				Insulation class
Independent cooler		-				Independent cooler
Controller						Controller
Type		EKOMASTER II Electronic Control Module with LCD Display				Type
Transmission						Transmission
Design		Poly-V Belt				Design
Cooling						Cooling
Medium		ambient air				Medium
Nominal fan motor output	kW	3				Nominal fan motor output
Nominal fan motor current	A	6.5				Nominal fan motor current
Fan rotation speed	rpm	1425				Fan rotation speed
Required heat rejection (from oil/air cooler)	kcal/h	96490				Required heat rejection (from oil/air cooler)
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	20985				Nominal flow rate of cooling air (at 40°C average)
Cooling air outlet temperature (for 25°C inlet)	°C	44				Cooling air outlet temperature (for 25°C inlet)
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (lh)				Cooler outlet dimensions for air exhaust duct
Max. pressure drop of cooling air exhaust duct	Pa	70				Max. pressure drop of cooling air exhaust duct
Safeguarding functions (alarm / shutdown)						Safeguarding functions (alarm / shutdown)
Safety pressure valve set value	bar g	12 bar			14 bar	Safety pressure valve set value
Delivery air temperature high level	°C	105 / 115				Delivery air temperature high level
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	Delivery air pressure high level
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	Internal air pressure high level
Differential pressure high level	bar g	1 / 1,5				Differential pressure high level
Main motor overload (overcurrent, shutdown)	A	134				Main motor overload (overcurrent, shutdown)

EKO 160 TECHNICAL SPECIFICATIONS				SCREW COMPRESSORS		EKO 200 TECHNICAL SPECIFICATIONS			
EKO 160 - 7	EKO 160 - 8	EKO 160 - 10	EKO 160 - 13		Unit	EKO 200 - 7	EKO 200 - 8	EKO 200 - 10	EKO 200 - 13
				Compressor					
7	8	10	13	Maximum working pressure	bar g	7	8	10	13
5	5	5	5	Minimum working pressure	bar g	5	5	5	5
6 / 7	6 / 8	8 / 10	11 / 13	Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
8.5	9.5	11.5	13.9	Internal air pressure high level (shutdown)	bar g	8.5	9.5	11.5	13.9
27.8	26.4	23.6	19.7	Maximum capacity (FAD)	m ³ /min	34.9	32.2	29.1	23.6
0 - 45				Ambient temperature	°C	0 - 45			
160				Nominal main motor output	kW	200			
4				Nominal fan motor output	kW	2*3			
174.3	175.6	173.8	175.2	Total compressor input - maximum load (with fan)	kW	212.2	209.7	210.2	208.5
68.6	65.9	60.9	55.3	Total compressor input - unload	kW	84.4	80.5	74	67.2
2 - 4				Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
78				Level of sound power	dB(A)	79			
DN 80				Outlet connection		DN 100			
10-12 °C above ambient				Delivery air temperature	°C	10-12 °C above ambient			
2510 x 1900 x 1910				Dimensions (l x w x h)	mm	3040 x 2350 x 2500			
3560				Weight	kg	5140			
				Air end					
Oil Injected Rotary Screw Compressor				Type		Oil Injected Rotary Screw Compressor			
3560	3380	3040	2620	Rotation speed	rpm	2350	2170	1980	1700
				Oil charge					
90				Oil content	l	100			
AIRMAX 2000				First filling type of oil		AIRMAX 2000			
121	129	146	171	Air end oil flow rate	l/min	151	159	177	204
75 - 105				Operating oil temperature	°C	75 - 105			
115				Maximum oil temperature	°C	115			
				Main motor					
315L4 - B3 - IP55				Type		315L4 - B3 - IP55			
160				Nominal output	kW	200			
280				Nominal current	A	340			
400				Nominal voltage	V	400			
50				Nominal frequency	Hz	50			
1				Service factor		1			
0.86				Power factor		0.88			
95.7				Efficiency	%	95.9			
1486				Nominal speed	rpm	1486			
F				Insulation class		F			
-				Independent cooler		-			
				Controller					
EKOMASTER II Electronic Control Module with LCD Display				Type		EKOMASTER II Electronic Control Module with LCD Display			
				Transmission					
Poly-V Belt				Design		Poly-V Belt			
				Cooling					
ambient air				Medium		ambient air			
4				Nominal fan motor output	kW	2 * 3.0			
8.6				Nominal fan motor current	A	6.5			
1445				Fan rotation speed	rpm	1425			
116960				Required heat rejection (from oil/air cooler)	kcal/h	146200			
25437				Nominal flow rate of cooling air (at 40°C average)	m ³ /h	31796			
44				Cooling air outlet temperature (for 25°C inlet)	°C	44			
1350 (w) x 1170 (l/h)				Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
80				Max. pressure drop of cooling air exhaust duct	Pa	90			
				Safeguarding functions (alarm / shutdown)					
12 bar				Safety pressure valve set value	bar g	12 bar			
105 / 115				Delivery air temperature high level	°C	105 / 115			
8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5	Delivery air pressure high level	bar g	8 / 8.2	9 / 9.2	11 / 11.2	13.3 / 13.5
8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9	Internal air pressure high level	bar g	8.3 / 8.5	9.3 / 9.5	11.3 / 11.5	13.7 / 13.9
1 / 1.5				Differential pressure high level	bar g	1 / 1.5			
170				Main motor overload (overcurrent, shutdown)	A	196.5			

SCREW COMPRESSORS	EKO 250 TECHNICAL SPECIFICATIONS				
	Unit	EKO 250 - 7	EKO 250 - 8	EKO 250 - 10	EKO 250 - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	8 / 10	11 / 13
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	43,8	41,8	36,7	30,4
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	250			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	268,4	269,3	269,5	269
Total compressor input - unload	kW	98,1	94,2	87,4	80,6
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	80			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3040 x 2350 x 2500			
Weight	kg	5840			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	2945	2815	2515	2140
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	183	193	215	247
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		355L4 - B3 - IP55			
Nominal output	kW	250			
Nominal current	A	430			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,87			
Efficiency	%	96			
Nominal speed	rpm	1488			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Poly-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	182750			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	39744			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (lh)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	250			

SCREW COMPRESSORS	Unit	EKO 15 VST TECHNICAL SPECIFICATIONS			
		15 VST - 7	15 VST - 8	15 VST - 10	15 VST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	2,7	2,6	2,1	1,8
Minimum capacity (FAD)	m ³ /min	0,9	0,9	0,7	0,5
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load	kW	17,2	17,5	17,6	17,8
Total compressor input - unload (minimum speed)	kW	3,0	3,0	2,6	2,3
Oil outlet	mg/m ³	2 - 4			
Level of sound power	dB(A)	72			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1195 x 820 x 1495			
Weight	kg	520			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	2800 - 1100	2750 - 1100	2250 - 900	1950 - 750
Oil charge					
Oil content	l	8			
First filling (type of oil)		AIRMAX 2000			
Air end oil flow rate	l/min	14	15	16	19
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		160L4 - B3 - IP55			
Nominal output	kW	15			
Nominal current	A	28,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,84			
Efficiency	%	90			
Nominal speed	rpm	1459			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	15			
Nominal current	A	33			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		POLY-V Belt			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2385			
Cooling air outlet temperature (at 25°C)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	461 (w) x 596 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	50			

EKO 18 VST TECHNICAL SPECIFICATIONS				EKO 22 VST TECHNICAL SPECIFICATIONS			
18 VST - 7	18 VST - 8	18 VST - 10	18 VST - 13	22 VST - 7	22 VST - 8	22 VST - 10	22 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
3,2	3,1	2,7	2,3	3,8	3,7	3,2	2,7
1,1	1,1	0,9	0,7	1,4	1,3	1,2	0,9
0 - 45				0 - 45			
18,5				22			
0,18				0,18			
20,3	20,9	21,2	21,5	24,4	24,8	25,0	25,2
3,3	3,3	3,1	3,0	3,8	3,8	3,6	3,4
2 - 4				2 - 4			
72				72			
1"				1"			
10-12 °C above ambient				10-12 °C above ambient			
1195 x 820 x 1495				1195 x 820 x 1495			
550				580			

Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
3300 - 1300	3250 - 1300	2800 - 1150	2400 - 1000	3900 - 1600	3800 - 1550	3350 - 1350	2850 - 1150

8				8			
AIRMAX 2000				AIRMAX 2000			
17	18	20	23	21	22	24	27
75 - 105				75 - 105			
115				115			

180M4 - B3 - IP55				180L4 - B3 - IP55			
18,5				22			
35,5				41,5			
400				400			
50				50			
1				1			
0,83				0,84			
90,5				91			
1459				1465			
F				F			
-				-			

18,5				22			
42				50			
400				400			
50				50			

EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
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POLY-V Belt				POLY-V Belt			
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ambient air				ambient air			
0,18				0,18			
0,56				0,56			
1350				1350			
2941				3498			
43				44			
461 (w) x 596 (l/h)				461 (w) x 596 (l/h)			
35				30			

12 bar		14 bar		12 bar		14 bar	
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
63				80			

EKO 30 VST TECHNICAL SPECIFICATIONS				EKO 37 VST TECHNICAL SPECIFICATIONS			
30 VST - 7	30 VST - 8	30 VST - 10	30 VST - 13	37 VST - 7	37 VST - 8	37 VST - 10	37 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
5,1	4,8	4,4	3,9	6,1	5,9	5,4	4,7
1,9	1,7	1,6	1,4	2,2	2,1	1,9	1,7
0 - 45				0 - 45			
30				37			
0,37				1,1			
33,8	33,2	33,7	34,0	40,1	40,9	41,8	43,5
5,4	5,2	4,9	4,4	6,4	6,3	6,1	5,7
2 - 4				2 - 4			
74				75			
1 1/4"				1 1/4"			
10-12 °C above ambient				10-12 °C above ambient			
1200 x 1000 x 1800				1500 x 1000 x 1800			
730				870			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
5100 - 2050	4850 - 1950	4450 - 1800	3950 - 1600	6100 - 2450	5900 - 2350	5350 - 2150	4850 - 1950
8				16			
AIRMAX 2000				AIRMAX 2000			
28	29	33	37	34	36	40	46
75 - 105				75 - 105			
115				115			
200L2 - B3 - IP55				200L2 - B3 - IP55			
30				37			
54				65			
400				400			
50				50			
1				1			
0,88				0,89			
91,8				92,9			
2950				2955			
F				F			
-				-			
30				37			
60				75			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
0,37				1,1			
1,09				2,6			
1370				1415			
4770				5883			
43				42			
588 (w) x 645 (l/h)				552 (w) x 645 (l/h)			
40				30			
12 bar				12 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
80				100			

EKO 45 (S) VST TECHNICAL SPECIFICATIONS				EKO 55 VST TECHNICAL SPECIFICATIONS			
45 VST - 7	45 VST - 8	45 VST - 10	45 VST - 13	55 VST - 7	55 VST - 8	55 VST - 10	55 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
8,1	7,8	7,1	6,2	9,5	9,0	8,2	7,4
3,0	2,9	2,7	2,2	3,5	3,3	3,0	2,6
0 - 45				0 - 45			
45				55			
1,1				1,5			
50,6	51,0	50,7	51,5	59,8	60,2	60,4	60,7
7,8	7,7	7,4	7,1	8,6	8,3	7,9	7,5
2 - 4				2 - 4			
75				76			
1 1/2"				1 1/2"			
10-12 °C above ambient				10-12 °C above ambient			
1500 x 1000 x 1800				1945 x 1395 x 1940			
1120				1650			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
4150 - 1650	4050 - 1600	3700 - 1500	3200 - 1300	4850 - 1950	4600 - 1850	4200 - 1700	3850 - 1550
16				31			
AIRMAX 2000				AIRMAX 2000			
42	44	49	56	48	51	56	64
75 - 105				75 - 105			
115				115			
225M2 - B3 - IP55				250M4 - B3 - IP55			
45				55			
79				100			
400				400			
50				50			
1				1			
0,88				0,85			
93,6				93,5			
2960				1480			
F				F			
-				-			
45				55			
90				115			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
1,1				1,5			
2,6				3,5			
1415				1420			
7154				8744			
43				44			
710 (w) x 760 (l/h)				720 (w) x 761 (l/h)			
60				80			
12 bar				12 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
160				160			

EKO 75 (S) VST TECHNICAL SPECIFICATIONS				EKO 90 VST TECHNICAL SPECIFICATIONS			
75 VST - 7	75 VST - 8	75 VST - 10	75 VST - 13	90 VST - 7	90 VST - 8	90 VST - 10	90 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
13,7	13,1	12,1	10,6	15,8	14,9	13,6	12,0
4,9	4,5	4,1	3,7	5,5	5,1	4,7	4,0
0 - 45				0 - 45			
75				90			
2,2				2,2			
82,3	81,0	82,0	82,2	96,8	96,7	97,1	97,5
11,3	10,9	10,6	10,2	13,3	13,0	12,6	12,1
2 - 4				2 - 4			
76				77			
2"				2"			
10-12 °C above ambient				10-12 °C above ambient			
1945 x 1395 x 1940				1945 x 1395 x 1940			
2140				2420			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
3450 - 1400	3300 - 1300	3050 - 1200	2700 - 1100	3950 - 1600	3750 - 1500	3400 - 1400	3050 - 1200
31				31			
AIRMAX 2000				AIRMAX 2000			
63	67	74	86	70	75	84	95
75 - 105				75 - 105			
115				115			
280S4 - B3 - IP55				280M4 - B3 - IP55			
75				90			
136				160			
400				400			
50				50			
1				1			
0,85				0,86			
94,2				94,6			
1485				1485			
F				F			
yes				yes			
75				90			
150				180			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
2,2				2,2			
4,8				4,8			
1430				1430			
11923				14308			
42				44			
818 (w) x 850 (l/h)				818 (w) x 850 (l/h)			
80				60			
12 bar				12 bar			
14 bar				14 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
200				315			

EKO 110 VST TECHNICAL SPECIFICATIONS				EKO 110 S VST TECHNICAL SPECIFICATIONS			
110 VST - 7	110 VST - 8	110 VST - 10	110 VST - 13	110 S VST - 7	110 S VST - 8	110 S VST - 10	110 S VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	7 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
18,2	17,9	15,8	14,2	19,2	18,2	16,5	14,6
6,6	6,4	5,5	4,8	7,0	6,5	5,6	4,9
0 - 45				0 - 45			
110				110			
3				3			
112,7	111,5	111,8	113,9	115,4	115,5	116,3	114,0
17,5	17,0	15,3	13,8	18,6	17,8	16,1	13,5
2 - 4				2 - 4			
78				77			
2"				2"			
10-12 °C above ambient				10-12 °C above ambient			
2100 x 1650 x 1950				2100 x 1650 x 1950			
2540				2800			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
4500 - 1800	4450 - 1750	3950 - 1550	3550 - 1400	2500 - 1000	2350 - 950	2150 - 850	1900 - 750
40				40			
AIRMAX 2000				AIRMAX 2000			
79	85	97	115	83	89	100	118
75 - 105				75 - 105			
115				115			
315S4 - B3 - IP55				315S4 - B3 - IP55			
110				110			
198				198			
400				400			
50				50			
1				1			
0,85				0,85			
94,6				94,6			
1488				1488			
F				F			
yes				yes			
110				110			
210				210			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
3				3			
6,5				6,5			
1425				1425			
17488				17488			
44				44			
960 (w) x 1092 (l/h)				960 (w) x 1092 (l/h)			
50				50			
12 bar				12 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
315				315			

EKO 132 VST TECHNICAL SPECIFICATIONS				EKO 160 VST TECHNICAL SPECIFICATIONS			
132 VST - 7	132 VST - 8	132 VST - 10	132 VST - 13	160 VST - 7	160 VST - 8	160 VST - 10	160 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
23,3	22,3	19,5	16,2	27,8	26,4	23,6	19,7
8,6	8,1	6,8	5,5	10,2	9,7	8,4	7,1
0 - 45				0 - 45			
132				160			
3				4			
138,5	138,8	137,5	137,1	163,8	164,4	162,3	163,6
23,5	22,7	20,6	18,1	27,6	26,8	24,2	21,9
2 - 4				2 - 4			
78				78			
DN 80				DN 80			
10-12 °C above ambient				10-12 °C above ambient			
2785 x 1895 x 1910				2785 x 1895 x 1910			
3650				3820			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
3000 - 1200	2850 - 1150	2550 - 1000	2150 - 850	3550 - 1400	3400 - 1350	3050 - 1200	2650 - 1050
90				90			
AIRMAX 2000				AIRMAX 2000			
100	107	121	142	121	129	146	171
75 - 105				75 - 105			
115				115			
315M4 - B3 - IP55				315L4 - B3 - IP55			
132				160			
235				280			
400				400			
50				50			
1				1			
0,85				0,86			
95,2				95,7			
1488				1486			
F				F			
yes				yes			
132				160			
250				300			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
3				4			
6,5				8,6			
1425				1445			
20985				25437			
44				44			
1350 (w) x 1170 (l/h)				1350 (w) x 1170 (l/h)			
70				80			
12 bar				12 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
400				450			

EKO 200 VST TECHNICAL SPECIFICATIONS				EKO 250 VST TECHNICAL SPECIFICATIONS			
200 VST - 7	200 VST - 8	200 VST - 10	200 VST - 13	250 VST - 7	250 VST - 8	250 VST - 10	250 VST - 13
7	8	10	13	7	8	10	13
5	5	5	5	5	5	5	5
7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
8,5	9,5	11,5	13,9	8,5	9,5	11,5	13,9
34,9	32,2	29,1	23,6	43,8	41,8	36,7	30,4
12,1	11,0	8,9	6,9	15,5	14,4	12,3	9,4
0 - 45				0 - 45			
200				250			
2*3				2*3			
209,2	209,5	211,5	207,8	267,5	268,3	269,7	268,4
31,1	29,5	26,8	23,5	41,2	39,3	35,8	31,7
2 - 4				2 - 4			
78				79			
DN 100				DN 100			
10-12 °C above ambient				10-12 °C above ambient			
3490 x 2350 x 2500				3490 x 2350 x 2500			
5500				6320			
Oil Injected Rotary Screw Compressor				Oil Injected Rotary Screw Compressor			
2350 - 950	2200 - 900	2000 - 800	1700 - 700	2950 - 1150	2850 - 1100	2550 - 1000	2150 - 850
100				100			
AIRMAX 2000				AIRMAX 2000			
151	159	177	204	183	193	215	247
75 - 105				75 - 105			
115				115			
315L4 - B3 - IP55				355L4 - B3 - IP55			
200				250			
340				430			
400				400			
50				50			
1				1			
0,88				0,87			
95,9				96			
1486				1488			
F				F			
yes				yes			
200				250			
370				460			
400				400			
50				50			
EKOMASTER V Electronic Control Module with LCD Display				EKOMASTER V Electronic Control Module with LCD Display			
POLY-V Belt				POLY-V Belt			
ambient air				ambient air			
2 * 3,0				2 * 3,0			
6,5				6,5			
1425				1425			
31796				39744			
44				44			
1520 (w) x 1220 (l/h)				1520 (w) x 1220 (l/h)			
90				70			
12 bar				12 bar			
105 / 115				105 / 115			
8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
1 / 1,5				1 / 1,5			
550				700			

SCREW COMPRESSORS	EKO 15 D TECHNICAL SPECIFICATIONS				
	Unit	EKO 15 D - 7	EKO 15 D - 8	EKO 15 D - 10	EKO 15 D - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	6 / 8	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	2,9	2,8	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	19,2	20,8	-
Total compressor input - unload	kW	-	7,4	7,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	71			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	552			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	2940	2940	-
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	18	20	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		180M2 - B35 - IP55			
Nominal output	kW	15			
Nominal current	A	40,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1,25			
Power factor		0,86			
Efficiency	%	91,6			
Nominal speed	rpm	2945			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Required heat rejection (from oil/air cooler)	kcal/h	13085			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2846			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	23,5			

SCREW COMPRESSORS	EKO 18 D TECHNICAL SPECIFICATIONS				
	Unit	EKO 18 D - 7	EKO 18 D - 8	EKO 18 D - 10	EKO 18 D - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	6 / 8	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	2,9	2,8	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	18,5			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	19,2	20,8	-
Total compressor input - unload	kW	-	7,4	7,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	71			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	552			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	2940	2940	-
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	18	20	-115
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		180M2 - B35 - IP55			
Nominal output	kW	18,5			
Nominal current	A	40,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1,2			
Power factor		0,86			
Efficiency	%	91,6			
Nominal speed	rpm	2945			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Required heat rejection (from oil/air cooler)	kcal/h	13705			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2981			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	23,5			

SCREW COMPRESSORS		EKO 22 D TECHNICAL SPECIFICATIONS			
	Unit	EKO 22 D - 7	EKO 22 D - 8	EKO 22 D - 10	EKO 22 D - 13
Compressor					
Maximum working pressure	bar g	-	-	10	-
Minimum working pressure	bar g	-	-	5	-
Standard pressure setting (load / unload)	bar g	-	-	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	-	11,5	-
Maximum capacity (FAD)	m ³ /min	-	-	2,8	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	22			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	-	20,8	-
Total compressor input - unload	kW	-	-	7,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	71			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	552			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	-	2940	-
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	-	20	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		180M2 - B35 - IP55			
Nominal output	kW	22			
Nominal current	A	40,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,86			
Efficiency	%	91,6			
Nominal speed	rpm	2945			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Required heat rejection (from oil/air cooler)	kcal/h	14330			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	3116			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	23,5			

SCREW COMPRESSORS		EKO 37 D TECHNICAL SPECIFICATIONS			
	Unit	EKO 37 D - 7	EKO 37 D - 8	EKO 37 D - 10	EKO 37 D - 13
Compressor					
Maximum working pressure	bar g	-	-	10	-
Minimum working pressure	bar g	-	-	5	-
Standard pressure setting (load / unload)	bar g	-	-	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	-	11,5	-
Maximum capacity (FAD)	m ³ /min	-	-	5,5	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	37			
Nominal fan motor output	kW	1,1			
Total compressor input - maximum load (with fan)	kW	-	-	42,0	-
Total compressor input - unload	kW	-	-	15,0	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	74			
Outlet connection		1 1/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1785 x 1050 x 1400			
Weight	kg	860			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	2955			
Oil charge					
Oil content	l	16			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	-	40	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		200L2 - B35 - IP55			
Nominal output	kW	37			
Nominal current	A	65			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,89			
Efficiency	%	92,9			
Nominal speed	rpm	2955			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,1			
Nominal fan motor current	A	2,6			
Fan rotation speed	rpm	1415			
Required heat rejection (from oil/air cooler)	kcal/h	27050			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	5883			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	640 (w) x 570 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	39,0			

SCREW COMPRESSORS		EKO 75 D TECHNICAL SPECIFICATIONS			
	Unit	EKO 75 D - 7	EKO 75 D - 8	EKO 75 D - 10	EKO 75 D - 13
Compressor					
Maximum working pressure	bar g	-	-	10	-
Minimum working pressure	bar g	-	-	5	-
Standard pressure setting (load / unload)	bar g	-	-	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	-	11,5	-
Maximum capacity (FAD)	m ³ /min	-	-	12,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	75			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	-	-	80,4	-
Total compressor input - unload	kW	-	-	29,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2390 x 1450 x 1750			
Weight	kg	1800			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	-	2975	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	-	74	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		280S2 - B35 - IP55			
Nominal output	kW	75			
Nominal current	A	130			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,88			
Efficiency	%	94,5			
Nominal speed	rpm	2975			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Required heat rejection (from oil/air cooler)	kcal/h	54825			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	11923			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	77,0			

SCREW COMPRESSORS	EKO 132 D TECHNICAL SPECIFICATIONS				
	Unit	EKO 132 D - 7	EKO 132 D - 8	EKO 132 D - 10	EKO 132 D - 13
Compressor					
Maximum working pressure	bar g	-	8	-	-
Minimum working pressure	bar g	-	5	-	-
Standard pressure setting (load / unload)	bar g	-	6 / 8	-	-
Internal air pressure high level (shutdown)	bar g	-	9,5	-	-
Maximum capacity (FAD)	m ³ /min	-	23,2	-	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	132			
Nominal fan motor output	kW	3			
Total compressor input - maximum load (with fan)	kW	-	138,7	-	-
Total compressor input - unload	kW	-	50,1	-	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	77			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3510			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	2982	-	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	107	-	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315M2 - B35 - IP55			
Nominal output	kW	132			
Nominal current	A	225			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,90			
Efficiency	%	95,1			
Nominal speed	rpm	2982			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	96490			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	20985			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	134,0			

SCREW COMPRESSORS		EKO 160 D TECHNICAL SPECIFICATIONS			
	Unit	EKO 160 D - 7	EKO 160 D - 8	EKO 160 D - 10	EKO 160 D - 13
Compressor					
Maximum working pressure	bar g	-	-	10	-
Minimum working pressure	bar g	-	-	5	-
Standard pressure setting (load / unload)	bar g	-	-	8 / 10	-
Internal air pressure high level (shutdown)	bar g	-	-	11,5	-
Maximum capacity (FAD)	m ³ /min	-	-	23,2	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	160			
Nominal fan motor output	kW	4			
Total compressor input - maximum load (with fan)	kW	-	-	156,5	-
Total compressor input - unload	kW	-	-	58,6	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	78			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3650			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	-	-	2982	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	-	146	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315L2 - B35 - IP55			
Nominal output	kW	160			
Nominal current	A	265			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1			
Power factor		0,91			
Efficiency	%	95,5			
Nominal speed	rpm	2982			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	4,0			
Nominal fan motor current	A	8,6			
Fan rotation speed	rpm	1445			
Required heat rejection (from oil/air cooler)	kcal/h	116960			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	25437			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	170,0			

SCREW COMPRESSORS	EKO 250 D TECHNICAL SPECIFICATIONS				
	Unit	EKO 250 D - 7	EKO 250 D - 8	EKO 250 D - 10	EKO 250 D - 13
Compressor					
Maximum working pressure	bar g	7,5	8	10	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7,5	6 / 8	8 / 10	-
Internal air pressure high level (shutdown)	bar g	9	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	44,3	44,2	43,9	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	250			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	271,6	283,1	317,2	-
Total compressor input - unload	kW	96,5	104,6	104,6	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	79			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	5780			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	2980	2979	2979	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	183	193	215	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315L2 (355L2) - B35 - IP55			
Nominal output	kW	250			
Nominal current	A	520			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1,2			
Power factor		0,91			
Efficiency	%	96,5			
Nominal speed	rpm	2979			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	197370			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	42924			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8,5 / 8,7	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,8 / 9	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	315,0			

SCREW COMPRESSORS	Unit	EKO 15 DVST TECHNICAL SPECIFICATIONS			
		EKO 15 DVST - 7	EKO 15 DVST - 9	EKO 15 DVST - 10	EKO 15 DVST - 13
Compressor					
Maximum working pressure	bar g	-	9	10	13
Minimum working pressure	bar g	-	5	5	5
Standard pressure setting (load / unload)	bar g	-	9 / 9,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	10,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	2,6	2,2	1,8
Minimum capacity (FAD)	m ³ /min	-	0,8	0,7	0,5
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	15			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	17,0	17,2	17,4
Total compressor input - unload (minimum speed)	kW	-	2,7	2,4	2,1
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	70			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	580			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	2500 - 1000	2250 - 900	1900 - 750
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	15	16	19
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		160L4 - B35 - IP55			
Nominal output	kW	15			
Nominal current	A	28,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,84			
Efficiency	%	90,0			
Nominal speed	rpm	1459			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	15			
Nominal current	A	33			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2385			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	10 / 10,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	10,3 / 10,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	50			

SCREW COMPRESSORS	Unit	EKO 18 DVST TECHNICAL SPECIFICATIONS			
		EKO 18,5 - 7	EKO 18 DVST - 8	EKO 18 DVST - 10	EKO 18 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	3,2	2,8	-
Minimum capacity (FAD)	m ³ /min	-	1,1	1,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	18,5			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	20,9	21,3	-
Total compressor input - unload (minimum speed)	kW	-	3,0	2,8	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	72			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	613			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3300 - 1300	2950 - 1200	-
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	18	20	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		180M2 - B35 - IP55			
Nominal output	kW	18,5			
Nominal current	A	40,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1,2			
Power factor	1	0,86			
Efficiency	%	91,6			
Nominal speed	rpm	2945			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	22			
Nominal current	A	50			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	2941			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	35			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	63			

SCREW COMPRESSORS	Unit	EKO 22 DVST TECHNICAL SPECIFICATIONS			
		EKO 22 DVST - 7	EKO 22 DVST - 8	EKO 22 DVST - 10	EKO 22 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	3,7	3,2	-
Minimum capacity (FAD)	m ³ /min	-	1,3	1,1	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	22			
Nominal fan motor output	kW	0,18			
Total compressor input - maximum load (with fan)	kW	-	24,3	24,5	-
Total compressor input - unload (minimum speed)	kW	-	3,7	3,3	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	73			
Outlet connection		1"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1500 x 850 x 1200			
Weight	kg	672			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3800 - 1550	3350 - 1350	-
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	22	24	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		180M2 - B35 - IP55			
Nominal output	kW	22			
Nominal current	A	40,5			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,86			
Efficiency	%	91,6			
Nominal speed	rpm	2945			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	22			
Nominal current	A	50			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,18			
Nominal fan motor current	A	0,56			
Fan rotation speed	rpm	1350			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	3498			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	642 (w) x 568 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	80			

SCREW COMPRESSORS	Unit	EKO 30 DVST TECHNICAL SPECIFICATIONS			
		EKO 30 DVST - 7	EKO 30 DVST - 8	EKO 30 DVST - 10	EKO 30 DVST - 13
Compressor					
Maximum working pressure	bar g	-	-	10	13
Minimum working pressure	bar g	-	-	5	5
Standard pressure setting (load / unload)	bar g	-	-	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	-	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	-	4,4	3,9
Minimum capacity (FAD)	m ³ /min	-	-	1,6	1,3
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	30			
Nominal fan motor output	kW	0,37			
Total compressor input - maximum load (with fan)	kW	-	33,2	33,5	-
Total compressor input - unload (minimum speed)	kW	-	4,7	4,2	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	74			
Outlet connection		1 1/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1785 x 1050 x 1400			
Weight	kg	930			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	-	4450 - 1800	3950 - 1600
Oil charge					
Oil content	l	8			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	-	33	37
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		200L2 - B35 - IP55			
Nominal output	kW	30			
Nominal current	A	54			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,88			
Efficiency	%	91,8			
Nominal speed	rpm	2950			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	30			
Nominal current	A	60			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	0,37			
Nominal fan motor current	A	1,09			
Fan rotation speed	rpm	1370			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	4770			
Cooling air outlet temperature (for 25°C inlet)	°C	43			
Cooler outlet dimensions for air exhaust duct	mm	640 (w) x 570 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	80			

SCREW COMPRESSORS	Unit	EKO 37 DVST TECHNICAL SPECIFICATIONS			
		EKO 37 DVST - 7	EKO 37 DVST - 8	EKO 37 DVST - 10	EKO 37 DVST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	6,4	6,2	5,5	-
Minimum capacity (FAD)	m ³ /min	2,4	2,3	2,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	37			
Nominal fan motor output	kW	1,1			
Total compressor input - maximum load (with fan)	kW	-	40,4	41,5	42,6
Total compressor input - unload (minimum speed)	kW	-	5,3	5,1	4,7
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	74			
Outlet connection		1 1/4"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1785 x 1050 x 1400			
Weight	kg	970			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	3400 - 1400	3300 - 1350	2950 - 1200	-
Oil charge					
Oil content	l	16			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	34	36	40	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		200L2 - B35 - IP55			
Nominal output	kW	37			
Nominal current	A	65			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,89			
Efficiency	%	92,9			
Nominal speed	rpm	2955			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	37			
Nominal current	A	75			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,1			
Nominal fan motor current	A	2,6			
Fan rotation speed	rpm	1415			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	5883			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	640 (w) x 570 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	30			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	100			

SCREW COMPRESSORS	Unit	EKO 45 (S) DVST TECHNICAL SPECIFICATIONS			
		EKO 45 DVST - 7	EKO 45 DVST - 8	EKO 45 DVST - 10	EKO 45 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	13
Minimum working pressure	bar g	-	5	5	5
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	7,9	7,2	6,1
Minimum capacity (FAD)	m ³ /min	-	2,8	2,6	2,1
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	45			
Nominal fan motor output	kW	1,1			
Total compressor input - maximum load (with fan)	kW	-	47,6	48,7	49,1
Total compressor input - unload (minimum speed)	kW	-	6,0	5,7	5,2
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	75			
Outlet connection		1 1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	1990 x 1300 x 1500			
Weight	kg	1280			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	4050 - 1600	3700 - 1500	3200 - 1300
Oil charge					
Oil content	l	16			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	44	49	56
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		225M2 - B35 - IP55			
Nominal output	kW	45			
Nominal current	A	79			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,88			
Efficiency	%	93,6			
Nominal speed	rpm	2960			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	45			
Nominal current	A	90			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,1			
Nominal fan motor current	A	2,6			
Fan rotation speed	rpm	1415			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	7154			
Cooling air outlet temperature (for 25°C inlet)	°C	43			
Cooler outlet dimensions for air exhaust duct	mm	760 (w) x 710 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	160			

SCREW COMPRESSORS	Unit	EKO 55 DVST TECHNICAL SPECIFICATIONS			
		EKO 55 DVST - 7	EKO 55 DVST - 8	EKO 55 DVST - 10	EKO 55 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	13
Minimum working pressure	bar g	-	5	5	5
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	10,0	9,1	7,7
Minimum capacity (FAD)	m ³ /min	-	3,4	2,9	2,4
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	55			
Nominal fan motor output	kW	1,5			
Total compressor input - maximum load (with fan)	kW	-	58,3	60,0	59,4
Total compressor input - unload (minimum speed)	kW	-	6,3	5,8	5,2
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	74			
Outlet connection		1 1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2290 x 1300 x 1500			
Weight	kg	1720			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	2500 - 1000	2300 - 900	2000 - 800
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	51	56	64
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		250M4 - B35 - IP55			
Nominal output	kW	55			
Nominal current	A	100			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,85			
Efficiency	%	93,5			
Nominal speed	rpm	1480			
Insulation class		F			
Independent cooler		-			
Inverter					
Nominal output	kW	55			
Nominal current	A	115			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,5			
Nominal fan motor current	A	3,5			
Fan rotation speed	rpm	1420			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	8744			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	760 (w) x 710 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	160			

SCREW COMPRESSORS	EKO 75 (S) DVST TECHNICAL SPECIFICATIONS				
	Unit	EKO 75 DVST - 7	EKO 75 DVST - 8	EKO 75 DVST - 10	EKO 75 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	13,1	12,1	-
Minimum capacity (FAD)	m ³ /min	-	4,6	4,1	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	75			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	-	80,5	81,5	-
Total compressor input - unload (minimum speed)	kW	-	9,5	8,9	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2390 x 1450 x 1750			
Weight	kg	1800			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3300 - 1300	3050 - 1200	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	67	74	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		280S2 - B35 - IP55			
Nominal output	kW	75			
Nominal current	A	130			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,88			
Efficiency	%	94,5			
Nominal speed	rpm	2975			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	75			
Nominal current	A	150			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	11923			
Cooling air outlet temperature (for 25°C inlet)	°C	42			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	200			

SCREW COMPRESSORS	Unit	EKO 90 DVST TECHNICAL SPECIFICATIONS			
		EKO 90 DVST - 7	EKO 90 DVST - 8	EKO 90 DVST - 10	EKO 90 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	13
Minimum working pressure	bar g	-	5	5	5
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	15,2	13,6	12,2
Minimum capacity (FAD)	m ³ /min	-	5,4	4,9	4,2
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	90			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	-	96,2	96,7	97,2
Total compressor input - unload (minimum speed)	kW	-	12,4	11,5	10,3
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	76			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2390 x 1450 x 1750			
Weight	kg	2080			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3800 - 1500	3400 - 1400	3100 - 1250
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	75	84	95
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		280M2 - B35 - IP 55			
Nominal output	kW	90			
Nominal current	A	154			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,89			
Efficiency	%	95,1			
Nominal speed	rpm	2975			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	90			
Nominal current	A	180			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	14308			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	315			

SCREW COMPRESSORS	EKO 110 (S) DVST TECHNICAL SPECIFICATIONS				
	Unit	EKO 110 DVST - 7	EKO 110 DVST - 8	EKO 110 DVST - 10	EKO 110 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	13
Minimum working pressure	bar g	-	5	5	5
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	-	19,2	17,1	14,6
Minimum capacity (FAD)	m ³ /min	-	6,9	6,0	5,1
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	110			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	-	118,5	119,8	119,5
Total compressor input - unload (minimum speed)	kW	-	17,4	15,8	14,5
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	77			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2885 x 1500 x 2000			
Weight	kg	2900			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	2500 - 1000	2250 - 900	1900 - 800
Oil charge					
Oil content	l	40			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	89	100	118
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315S4 - B35 - IP 55			
Nominal output	kW	110			
Nominal current	A	198			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,85			
Efficiency	%	94,6			
Nominal speed	rpm	1488			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	110			
Nominal current	A	210			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	17488			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1090 (w) x 960 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	315			

SCREW COMPRESSORS	Unit	EKO 132 DVST TECHNICAL SPECIFICATIONS			
		EKO 132 DVST - 7	EKO 132 DVST - 8	EKO 132 DVST - 10	EKO 132 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	-	-
Minimum working pressure	bar g	-	5	-	-
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	-	-
Internal air pressure high level (shutdown)	bar g	-	9,5	-	-
Maximum capacity (FAD)	m ³ /min	-	23,2	-	-
Minimum capacity (FAD)	m ³ /min	-	8,5	-	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	132			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	-	139,3	-	-
Total compressor input - unload (minimum speed)	kW	-	21,4	-	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	77			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3700			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3000 - 1200	-	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	107	-	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315M2 - B35 - IP55			
Nominal output	kW	132			
Nominal current	A	225			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,90			
Efficiency	%	95,1			
Nominal speed	rpm	2982			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	132			
Nominal current	A	250			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	20985			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	400			

SCREW COMPRESSORS	Unit	EKO 160 DVST TECHNICAL SPECIFICATIONS			
		EKO 160 DVST - 7	EKO 160 DVST - 8	EKO 160 DVST - 10	EKO 160 DVST - 13
Compressor					
Maximum working pressure	bar g	-	8	10	-
Minimum working pressure	bar g	-	5	5	-
Standard pressure setting (load / unload)	bar g	-	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	-	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	-	27,3	23,2	-
Minimum capacity (FAD)	m ³ /min	-	10,1	8,4	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	160			
Nominal fan motor output	kW	4			
Total compressor input - maximum load (with fan)	kW	-	164,6	158,0	-
Total compressor input - unload (minimum speed)	kW	-	25,8	24,0	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	78			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3850			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	-	3500 - 1400	3000 - 1200	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	-	129	146	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L2 - B35 - IP55			
Nominal output	kW	160			
Nominal current	A	265			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,91			
Efficiency	%	95,5			
Nominal speed	rpm	2982			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	160			
Nominal current	A	300			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	4,0			
Nominal fan motor current	A	8,6			
Fan rotation speed	rpm	1445			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	25437			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	450			

SCREW COMPRESSORS	Unit	EKO 200 DVST TECHNICAL SPECIFICATIONS			
		EKO 200 DVST - 7	EKO 200 DVST - 8	EKO 200 DVST - 10	EKO 200 DVST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	13
Minimum working pressure	bar g	5	5	5	5
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	13 / 13,3
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	13,9
Maximum capacity (FAD)	m ³ /min	34,9	32,6	29,2	24,1
Minimum capacity (FAD)	m ³ /min	12,1	11,0	8,9	6,9
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	200			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	208,1	208,7	210,7	207,2
Total compressor input - unload (minimum speed)	kW	30,9	29,4	26,7	23,4
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	78			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	5900			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	2350 - 950	2200 - 900	2000 - 800	1700 - 700
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	151	159	177	204
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L4 - B35 - IP55			
Nominal output	kW	200			
Nominal current	A	340			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,88			
Efficiency	%	95,9			
Nominal speed	rpm	1486			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	200			
Nominal current	A	370			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	31796			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	90			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	550			

SCREW COMPRESSORS	Unit	EKO 250 DVST TECHNICAL SPECIFICATIONS			
		EKO 250 DVST - 7	EKO 250 DVST - 8	EKO 250 DVST - 10	EKO 250 DVST - 13
Compressor					
Maximum working pressure	bar g	7	8	10	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	10 / 10,3	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11,5	-
Maximum capacity (FAD)	m ³ /min	44,3	44,2	40,4	-
Minimum capacity (FAD)	m ³ /min	16,2	16,1	14,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	250			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	272,5	280,3	287,4	-
Total compressor input - unload (minimum speed)	kW	45,8	45,8	44,2	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power (at maximum speed & load)	dB(A)	79			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	6340			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	3000 - 1200	3000 - 1200	2750 - 1100	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	183	193	215	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L2 (355L2) - B35 - IP55			
Nominal output	kW	250			
Nominal current	A	520			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1,2			
Power factor	1	0,91			
Efficiency	%	96,5			
Nominal speed	rpm	2979			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	250			
Nominal current	A	460			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	39744			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	11 / 11,2	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	11,3 / 11,5	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	700			

SCREW COMPRESSORS		EKO 55 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 55 GD - 7	EKO 55 GD - 8	EKO 55 GD - 9,5	EKO 55 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	10,2	9,7	8,9	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	55			
Nominal fan motor output	kW	1,5			
Total compressor input - maximum load (with fan)	kW	64,9	65,4	64,6	-
Total compressor input - unload	kW	29,7	28,2	27,9	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	74			
Outlet connection		1 1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2290 x 1300 x 1500			
Weight	kg	1650			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1485	1485	1485	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	48	51	56	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		280S4 - B35 - IP55			
Nominal output	kW	55			
Nominal current	A	136			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1,2			
Power factor		0,85			
Efficiency	%	94,2			
Nominal speed	rpm	1485			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,5			
Nominal fan motor current	A	3,5			
Fan rotation speed	rpm	1420			
Required heat rejection (from oil/air cooler)	kcal/h	44720			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	9726			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	760 (w) x 710 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	50			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	77,0			

SCREW COMPRESSORS		EKO 75 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 75 GD - 7	EKO 75 GD - 8	EKO 75 GD - 9,5	EKO 75 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	13,9	13,2	12,1	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	75			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	85,8	88,2	87,5	-
Total compressor input - unload	kW	33,1	32,7	30,0	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2390 x 1450 x 1750			
Weight	kg	1740			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	2975	2975	2975	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	63	67	72	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		280M2 - B35 - IP55			
Nominal output	kW	75			
Nominal current	A	154			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor		1,2			
Power factor		0,89			
Efficiency	%	95,1			
Nominal speed	rpm	2975			
Insulation class		F			
Independent cooler		-			
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Required heat rejection (from oil/air cooler)	kcal/h	58480			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	12718			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	50			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	92,5			

SCREW COMPRESSORS		EKO 90 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 90 GD - 7	EKO 90 GD - 8	EKO 90 GD - 9,5	EKO 90 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	16,7	15,8	14,3	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	90			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	106,9	108,2	103,4	-
Total compressor input - unload	kW	41,9	39,8	35,3	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2840 x 1450 x 1650		2390 x 1450 x 1750	
Weight	kg	1980		1740	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1488	1488	2975	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	70	75	81	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315S4 - B35 - IP55		280M2 - B35 - IP55	
Nominal output	kW	90		90	
Nominal current	A	198		154	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1,2		1	
Power factor		0,85		0,89	
Efficiency	%	94,6		95,1	
Nominal speed	rpm	1488		2975	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Required heat rejection (from oil/air cooler)	kcal/h	68800			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	14963			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	112,0			

SCREW COMPRESSORS		EKO 110 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 110 GD - 7	EKO 110 GD - 8	EKO 110 GD - 9,5	EKO 110 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	20,9	19,6	17,6	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	110			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	129,1	130,4	123,8	-
Total compressor input - unload	kW	45,2	43,0	40,6	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	77			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2885 x 1500 x 2000			
Weight	kg	2730		2650	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1488	1488	1488	-
Oil charge					
Oil content	l	40			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	83	89	100	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315M4 - B35 - IP55		315S4 - B35 - IP55	
Nominal output	kW	110		110	
Nominal current	A	235		198	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1,2		1	
Power factor		0,85		0,85	
Efficiency	%	95,2		94,6	
Nominal speed	rpm	1488		1488	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	84630			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	18405			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1090 (w) x 960 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	134,0			

SCREW COMPRESSORS		EKO 132 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 132 GD - 7	EKO 132 GD - 8	EKO 132 GD - 9,5	EKO 132 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	24,4	23,1	21,1	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	132			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	147,2	147,1	150,0	-
Total compressor input - unload	kW	52,3	48,8	45,2	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	77			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3545		3400	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1486	1486	1488	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	100	107	121	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315L4 - B35 - IP55		315M4 - B35 - IP55	
Nominal output	kW	132		132	
Nominal current	A	280		235	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1,2		1	
Power factor		0,86		0,85	
Efficiency	%	95,7		95,2	
Nominal speed	rpm	1486		1488	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	99760			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	21696			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	170,0			

SCREW COMPRESSORS		EKO 160 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 160 GD - 7	EKO 160 GD - 8	EKO 160 GD - 9,5	EKO 160 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	29,6	28,0	25,5	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	160			
Nominal fan motor output	kW	4,0			
Total compressor input - maximum load (with fan)	kW	169,9	170,6	174,1	-
Total compressor input - unload	kW	62,1	60,3	58,5	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	78			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3650		3545	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1486	1486	1486	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	121	129	146	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315L4 - B35 - IP55		315L4 - B35 - IP55	
Nominal output	kW	160		160	
Nominal current	A	340		280	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1,2		1	
Power factor		0,88		0,86	
Efficiency	%	95,9		95,7	
Nominal speed	rpm	1486		1486	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	4,0			
Nominal fan motor current	A	8,6			
Fan rotation speed	rpm	1445			
Required heat rejection (from oil/air cooler)	kcal/h	116960			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	25436			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	196,5			

SCREW COMPRESSORS		EKO 200 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 200 GD - 7	EKO 200 GD - 8	EKO 200 GD - 9,5	EKO 200 GD - 13
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	36,0	34,0	31,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	200			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	215,7	216,5	216,3	-
Total compressor input - unload	kW	76,6	74,4	71,2	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	78			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	5620		5380	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1488	1488	1486	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	151	159	177	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		355M4 - B35 - IP55		315L4 - B35 - IP55	
Nominal output	kW	200		200	
Nominal current	A	430		340	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1, 2		1	
Power factor		0,87		0,88	
Efficiency	%	96,0		95,9	
Nominal speed	rpm	1488		1486	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	154800			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	33666			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	250			

SCREW COMPRESSORS		EKO 250 GD TECHNICAL SPECIFICATIONS			
	Unit	EKO 250 GD - 7	EKO 250 GD - 8	EKO 250 GD - 9,5	EKO 250 GD - 13
Compressor					
Maximum working pressure	bar g	7,5	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	6 / 7,5	6 / 8	7,5 / 9,5	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	45,0	42,4	38,3	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	250			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	263,2	267,3	262,0	-
Total compressor input - unload	kW	99,2	96,1	91,5	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	79			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	6110		5910	
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed	rpm	1488	1488	1488	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	183	193	215	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Manufacturer / Type		315L4 (355L4) - B35 - IP55		315L4 (355M4) - B35 - IP55	
Nominal output	kW	250		250	
Nominal current	A	540		430	
Nominal voltage	V	400		400	
Nominal frequency	Hz	50		50	
Service factor		1,2		1	
Power factor		0,87		0,87	
Efficiency	%	96,2		96,0	
Nominal speed	rpm	1488		1488	
Insulation class		F		F	
Independent cooler		-		-	
Controller					
Type		EKOMASTER II Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Required heat rejection (from oil/air cooler)	kcal/h	197370			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	42924			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Main motor overload (overcurrent, shutdown)	A	315,0			

SCREW COMPRESSORS		EKO 55 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 55 GDVST - 7	EKO 55 GDVST - 8	EKO 55 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	10,2	9,7	8,9	-
Minimum capacity (FAD)	m ³ /min	3,2	2,9	2,7	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	55			
Nominal fan motor output	kW	1,5			
Total compressor input - maximum load (with fan)	kW	62,3	63,5	64,2	-
Total compressor input - unload	kW	8,4	8,3	8,1	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	74			
Outlet connection		1 1/2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2540 x 1300 x 1500			
Weight	kg	1730			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1485 - 600	1485 - 600	1485 - 600	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	48	51	56	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		280S4 - B35 - IP55			
Nominal output	kW	55			
Nominal current	A	136			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1,2			
Power factor	1	0,85			
Efficiency	%	94,2			
Nominal speed	rpm	1485			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	55			
Nominal current	A	115			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	1,5			
Nominal fan motor current	A	3,5			
Fan rotation speed	rpm	1420			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	9726			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	760 (w) x 710 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	50			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	160			

SCREW COMPRESSORS		EKO 75 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 75 GDVST - 7	EKO 75 GDVST - 8	EKO 75 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	13,9	13,2	12,1	-
Minimum capacity (FAD)	m ³ /min	4,9	4,6	4,2	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	75			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	82,6	83,3	83,1	-
Total compressor input - unload	kW	10,8	10,5	10,0	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2540 x 1450 x 1750			
Weight	kg	1800			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1990 - 800	1870 - 750	1780 - 700	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	63	67	72	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		280S4 - B35 - IP55			
Nominal output	kW	75			
Nominal current	A	136			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,85			
Efficiency	%	94,2			
Nominal speed	rpm	1485			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	75			
Nominal current	A	150			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	11923			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	80			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	200			

SCREW COMPRESSORS		EKO 90 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 90 GDVST - 7	EKO 90 GDVST - 8	EKO 90 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	16,7	15,8	14,3	-
Minimum capacity (FAD)	m ³ /min	5,9	5,5	5,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	90			
Nominal fan motor output	kW	2,2			
Total compressor input - maximum load (with fan)	kW	104,8	106,0	102,7	-
Total compressor input - unload	kW	13,7	13,4	12,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	75			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	2540 x 1450 x 1750			
Weight	kg	1900			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	3450 - 1360	3270 - 1300	3000 - 1200	-
Oil charge					
Oil content	l	31			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	70	75	81	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		280M2 - B35 - IP55			
Nominal output	kW	90			
Nominal current	A	154			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,89			
Efficiency	%	95,1			
Nominal speed	rpm	2975			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	90			
Nominal current	A	180			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2,2			
Nominal fan motor current	A	4,8			
Fan rotation speed	rpm	1430			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	14308			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	809 (w) x 806 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	315			

SCREW COMPRESSORS		EKO 110 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 110 GDVST - 7	EKO 110 GDVST - 8	EKO 110 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	20,9	19,6	17,6	-
Minimum capacity (FAD)	m ³ /min	7,7	7,2	6,5	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	110			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	117,5	118,2	118,9	-
Total compressor input - unload	kW	15,0	14,5	14,0	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	77			
Outlet connection		2"			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3040 x 1500 x 2000			
Weight	kg	2890			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1770 - 700	1670 - 670	1490 - 600	-
Oil charge					
Oil content	l	40			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	83	89	100	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315S4 - B35 - IP55			
Nominal output	kW	110			
Nominal current	A	198			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,85			
Efficiency	%	94,6			
Nominal speed	rpm	1488			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	110			
Nominal current	A	210			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	17488			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1090 (w) x 960 (lh)			
Max. pressure drop of cooling air exhaust duct	Pa	40			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	315			

SCREW COMPRESSORS		EKO 132 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 132 GDVST - 7	EKO 132 GDVST - 8	EKO 132 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	24,4	23,1	21,1	-
Minimum capacity (FAD)	m ³ /min	9,1	8,6	7,8	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	132			
Nominal fan motor output	kW	3,0			
Total compressor input - maximum load (with fan)	kW	143,5	143,2	145,1	-
Total compressor input - unload	kW	19,7	19,3	18,8	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	77			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3380			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1710 - 680	1630 - 650	1490 - 600	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	100	107	121	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315M4 - B35 - IP55			
Nominal output	kW	132			
Nominal current	A	235			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,85			
Efficiency	%	95,2			
Nominal speed	rpm	1488			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	132			
Nominal current	A	250			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	20985			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	60			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	400			

SCREW COMPRESSORS		EKO 160 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 160 GDVST - 7	EKO 160 GDVST - 8	EKO 160 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	29,6	28,0	25,5	-
Minimum capacity (FAD)	m ³ /min	11,2	10,4	9,5	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	160			
Nominal fan motor output	kW	4,0			
Total compressor input - maximum load (with fan)	kW	166,8	168,4	173,2	-
Total compressor input - unload	kW	25,2	23,8	22,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	78			
Outlet connection		DN 80			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	3185 x 1650 x 2000			
Weight	kg	3725			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1700 - 700	1620 - 650	1480 - 600	-
Oil charge					
Oil content	l	90			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	121	129	146	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L4 - B35 - IP55			
Nominal output	kW	160			
Nominal current	A	280			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,86			
Efficiency	%	95,7			
Nominal speed	rpm	1486			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	160			
Nominal current	A	300			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	4,0			
Nominal fan motor current	A	8,6			
Fan rotation speed	rpm	1445			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	25437			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1350 (w) x 1170 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	450			

SCREW COMPRESSORS		EKO 200 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 200 GDVST - 7	EKO 200 GDVST - 8	EKO 200 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	36,0	34,0	31,0	-
Minimum capacity (FAD)	m ³ /min	12,6	11,6	10,0	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	200			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	205,5	206,2	206,0	-
Total compressor input - unload	kW	28,0	27,8	27,4	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	78			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	5160			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1870 - 750	1760 - 700	1600 - 650	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	151	159	177	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L4 - B35 - IP55			
Nominal output	kW	200			
Nominal current	A	340			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,88			
Efficiency	%	95,9			
Nominal speed	rpm	1486			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	200			
Nominal current	A	370			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	31796			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	90			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	550			

SCREW COMPRESSORS		EKO 250 GDVST TECHNICAL SPECIFICATIONS			
		Unit	EKO 250 GDVST - 7	EKO 250 GDVST - 8	EKO 250 GDVST - 9,5
Compressor					
Maximum working pressure	bar g	7	8	9,5	-
Minimum working pressure	bar g	5	5	5	-
Standard pressure setting (load / unload)	bar g	7 / 7,3	8 / 8,3	9,5 / 9,8	-
Internal air pressure high level (shutdown)	bar g	8,5	9,5	11	-
Maximum capacity (FAD)	m ³ /min	45,0	42,4	38,3	-
Minimum capacity (FAD)	m ³ /min	16,4	15,1	13,2	-
Ambient temperature	°C	0 - 45			
Nominal main motor output	kW	250			
Nominal fan motor output	kW	2*3			
Total compressor input - maximum load (with fan)	kW	259,8	263,9	258,7	-
Total compressor input - unload	kW	39,5	38,2	36,8	-
Oil outlet (Oil carry-over in final air)	mg/m ³	2 - 4			
Level of sound power	dB(A)	79			
Outlet connection		DN 100			
Delivery air temperature	°C	10-12 °C above ambient			
Dimensions (l x w x h)	mm	4000 x 2100 x 2500			
Weight	kg	5770			
Air end					
Type		Oil Injected Rotary Screw Compressor			
Rotation speed (maximum - minimum)	rpm	1920 - 750	1840 - 700	1640 - 650	-
Oil charge					
Oil content	l	100			
First filling type of oil		AIRMAX 2000			
Air end oil flow rate	l/min	183	193	215	-
Operating oil temperature	°C	75 - 105			
Maximum oil temperature	°C	115			
Main motor					
Type		315L4 (355M4) - B35 - IP55			
Nominal output	kW	250			
Nominal current	A	430			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Service factor	1	1			
Power factor	1	0,87			
Efficiency	%	96,0			
Nominal speed	rpm	1488			
Insulation class		F			
Independent cooler		yes			
Inverter					
Nominal output	kW	250			
Nominal current	A	460			
Nominal voltage	V	400			
Nominal frequency	Hz	50			
Controller					
Type		EKOMASTER V Electronic Control Module with LCD Display			
Transmission					
Design		Direct Coupling			
Cooling					
Medium		ambient air			
Nominal fan motor output	kW	2 * 3,0			
Nominal fan motor current	A	6,5			
Fan rotation speed	rpm	1425			
Nominal flow rate of cooling air (at 40°C average)	m ³ /h	39744			
Cooling air outlet temperature (for 25°C inlet)	°C	44			
Cooler outlet dimensions for air exhaust duct	mm	1520 (w) x 1220 (l/h)			
Max. pressure drop of cooling air exhaust duct	Pa	70			
Safeguarding functions (alarm / shutdown)					
Safety pressure valve set value	bar g	12 bar			14 bar
Delivery air temperature high level	°C	105 / 115			
Delivery air pressure high level	bar g	8 / 8,2	9 / 9,2	10,5 / 10,7	13,3 / 13,5
Internal air pressure high level	bar g	8,3 / 8,5	9,3 / 9,5	10,8 / 11	13,7 / 13,9
Differential pressure high level	bar g	1 / 1,5			
Max. permissible mains fuse (inert)	A	700			

ENERGY RECOVERY SYSTEM FEATURES		EKO 11 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	5
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

(*) **In addition to** standard air-cooled oil&air cooling system of the compressor.

ENERGY RECOVERY SYSTEM FEATURES		EKO 15 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	7.2
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 18 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	8.5
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 22 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	10.2
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 30 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	13.2
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 37 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	16.1
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 45 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	20
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 45S E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	20.8
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 55 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	23.8
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 75 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	29.7
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 75S E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	38.7
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 90 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	41.2
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 110 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	50
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 110S E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	50
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 132 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	58.1
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 160 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	62
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 200 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	86.6
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

ENERGY RECOVERY SYSTEM FEATURES		EKO 250 E
HEAT RECOVERY SYSTEM (*)		
	Unit	
Design		Cooling water circulation (closed cycle)
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Supply Temp.	°C	45
Water Flow Rate	l/min	91.2
Oil-Water Heat Exchanger, Water Return Temp.	°C	70
Water Pressure Loss inside the exchanger (max.)	bar	0.5

2011-3

COOLING SYSTEM FEATURES		EKO 11 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	23.10
Water Flow Rate	l/min	7
Oil-Water Heat Exchanger, Water Return Temp.	°C	41.08
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	7
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	23.10
Water Pressure Loss inside the exchanger (max.)	bar	0.5

(*) **Instead of** standard air-cooled oil&air cooling system of the compressor.

COOLING SYSTEM FEATURES		EKO 15 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	23.32
Water Flow Rate	l/min	10
Oil-Water Heat Exchanger, Water Return Temp.	°C	41.15
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	10
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	23.32
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 18 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	23.95
Water Flow Rate	l/min	10
Oil-Water Heat Exchanger, Water Return Temp.	°C	44.92
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	10
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	23.95
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 22 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.04
Water Flow Rate	l/min	12
Oil-Water Heat Exchanger, Water Return Temp.	°C	45.02
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	12
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.04
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 30 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.42
Water Flow Rate	l/min	15
Oil-Water Heat Exchanger, Water Return Temp.	°C	46.10
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	15
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.42
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 37 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		3/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.46
Water Flow Rate	l/min	18
Oil-Water Heat Exchanger, Water Return Temp.	°C	46.61
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	18
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.46
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 45 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.17
Water Flow Rate	l/min	22
Oil-Water Heat Exchanger, Water Return Temp.	°C	46.58
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	22
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.17
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 45S W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	23.97
Water Flow Rate	l/min	26
Oil-Water Heat Exchanger, Water Return Temp.	°C	43.74
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	26
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	23.97
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 55 W
	Unit	
COOLING SYSTEM (*)		
Design		Cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.17
Water Flow Rate	l/min	30
Oil-Water Heat Exchanger, Water Return Temp.	°C	43.75
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	30
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.17
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 75 W
	Unit	
COOLING SYSTEM (*)		
Design		cooling water flow (open or closed circulation)
Oil Cooling System		
Oil-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.59
Water Flow Rate	l/min	35
Oil-Water Heat Exchanger, Water Return Temp.	°C	45.57
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		Plate Bar (Brazed) Type Heat Exchanger
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	35
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.59
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 75S W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.40
Water Flow Rate	l/min	40
Oil-Water Heat Exchanger, Water Return Temp.	°C	48.26
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	40
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.40
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 90 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.48
Water Flow Rate	l/min	45
Oil-Water Heat Exchanger, Water Return Temp.	°C	47.09
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	45
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.48
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 110 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.72
Water Flow Rate	l/min	50
Oil-Water Heat Exchanger, Water Return Temp.	°C	49.48
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	50
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.72
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 110S W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.58
Water Flow Rate	l/min	56
Oil-Water Heat Exchanger, Water Return Temp.	°C	46.69
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	56
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.58
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 132 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	24.83
Water Flow Rate	l/min	61
Oil-Water Heat Exchanger, Water Return Temp.	°C	48.39
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	61
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	24.83
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 160 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	25.29
Water Flow Rate	l/min	67
Oil-Water Heat Exchanger, Water Return Temp.	°C	48.16
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		2"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	67
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	25.29
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 200 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	25.21
Water Flow Rate	l/min	87
Oil-Water Heat Exchanger, Water Return Temp.	°C	49.81
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		2"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	87
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	25.21
Water Pressure Loss inside the exchanger (max.)	bar	0.5

COOLING SYSTEM FEATURES		EKO 250 W
	Unit	
COOLING SYSTEM (*)		
Design		ing water flow (open or closed circu
Oil Cooling System		
Oil-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		1 1/4"
Oil-Water Heat Exchanger, Water Inlet Temp.	°C	25.88
Water Flow Rate	l/min	95
Oil-Water Heat Exchanger, Water Return Temp.	°C	48.95
Water Pressure Loss inside the exchanger (max.)	bar	0.5
Compressed Air Aftercooling System		
Air-Water Heat Exchanger Type		te Bar (Brazed) Type Heat Exchar
Water Side Connection Diameter		2"
Air-Water Heat Exchanger, Water Supply Temp.	°C	20
Water Flow Rate	l/min	95
Oil-Water Heat Exchanger, Water Outlet Temp.	°C	25.88
Water Pressure Loss inside the exchanger (max.)	bar	0.5