DESCRIPTION

This is a complete air compressor system. The main components include: (3) DVK125 rotary screw air compressors, wet air receiver, oil-water separator, in-line air filters and control panel.

F U N C T I O N

Within the system, there are three DVK125 machines – two in operation and the third in stand-by. "On/off" and "idle" modes are controlled by the LCP controller according to the desired set pressure value inside the wet air receiver via the pressure transmitter located on the collector. The capacity of the machines are 1320 m3/h @ 13 bar (g).

The compressed air product flows to the wet air receiver tank and then out via two different routes for continuous use. The route where the compressed air passes through is determined by the operator by means of the ball valves at the entrance of the routes. The compressed air product which is collected in the wet air receiver tank runs through the in-line filter.

During the operation, the oily moisture is collected and flows to the oily water separator where the water is discharged at less than 10 ppm / oil.

DVK 125 (Quantity=3)(660 m³/h = 607 Nm³/h @ 10 bar(g)) x 2 > 1087 Nm³/h

ID	
MODEL #	DVK-125
SN	1012-EL-TUM-02
MFG.	DALGAKIRAN
DATE MFG.	2013
CONDITION	NEVER-USED







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MAIN COMPONENTS

AIR COMPRESSORS

- Manufacturer: Dalgakiran
- Model: DVK125
- Type: (3) Oil injected rotary screw compressors (2running & 1stand by)
- Flow Rates : 1320 m³/h @ 13 bar(g)
- Integrated Air Filter : Mann&Hummel, Europiclon 600
- Integrated Air-Cooling Fan and Compact Heat Exchanger
- Integrated Water Separator: G1200WS (1585 m³/h)
- Dimensions: 2500 x 1400 x 2037 mm
- Motor : Leroy Somer 90 kW, 400 V, 3 phases, 50 Hz, 2P
- Air End: Rotorcomp, B260



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OIL / WATER SEPARATORS

- Model : D-Mat 30
- Manufacturer : BEKO-Germany
- Capacity Up to 30 m³/min
- Volume of container : 230 Liters
- Discharge: Water contains <10 mg oil / Liter

HIGH EFFICIENCY AIR LINE FILTER

- PED 97/23 EC
- Model : GO1820MX (2220,5 m³/h @11bar(g))
- Manufacturer : MIKROPOR
- Integrated Pressure Indicator
- 1-micron particle removal and 0,5 mg/m³ oil carryover @21^oC

WET AIR RECEIVER

- Model: DHT 5
- Manufacturer: YAKUT KAZAN
- 5 m³ Capacity as per PED 97/23 EC with CE stamp
- Design Pressure / Test Pressure : 16 bar / 24 bar
- Actual thickness: 10 mm.

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PROCESS DESCRIPTION



- The electric motor of compressor (1) rotates air end unit (2).
- DALGAKIRAN compressors draw in atmospheric air through the cyclonic suction filter which is suitable for dusty environment. (4)
- Air end unit absorbs the air passing from pilot intake section of the intake valve (3) and sends it to separator tank (5) after mixing with oil. This way pressure inside separator tank (internal pressure) starts to rise.
- When the internal pressure comes to a reasonable level suction valve fully opens and compressor is loaded (20).
- Minimum pressure valve (7) does not send the internal pressure to use until it becomes to 3 -4 bar, keeps inside separator tank.
- When internal pressure starts to exceed 3,5 4 bars, minimum pressure valve cannot overcome the internal pressure and air production is started by opening the way.
- Separator filter (6) atop of the separator tank separates the compressed oil / air mixture from each other.
- The separated air passes through minimum pressure valve and comes to the after cooler side of combi-cooler (air to air / oil to air)(11).



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Air Compressor System PROCESS DESCRIPTION

The separated air passes through minimum pressure valve and comes to the after cooler side of combi-cooler (air to air / oil to air)(11).

The oil inside the separator tank comes to the thermal valve by the effect of internal pressure. Thermal valve (17) does not let the oil to flow through the cooler until the oil temperature reaches the specific value. In this case; oil goes from separator tank directly to oil filter (9) and from there to air end unit. When the oil temperature reaches the required value (71°C); thermal valve closes the line in between separator tank and oil filter. And it ensures the oil to flow into cooler side of combi-cooler (8). After cooling process, oil sent to oil filter, then, the filtered oil is again sent to screw oil inlet and lubrication cycle continues.

The oil removes approx. 85% of compression heat from screw compressors with oil injected cooling. When using a heat exchanger the heat can be extracted from the oil and used for utility.

The fan on the compressor (18) ensures the flow of cooling air absorbed from environment to cooler. The cooler is composed of two parts; one for air and one for oil. This way oil and air are separately cooled in respective sections.

The air absorbed by compressor is filtered twice. When the fan sends the cooling air into compressor, the absorbed air is cleaned by air panel filter (19). The air absorbed by air end is filtered again while passing through intake filter which is suitable for dusty environment (4).

Small quantity of oil leaks into separator filter during operation. This leakage is sent back to system by oil return line (scavenge) (10).

In order for establishing pressure safety inside separator tank, safety valve (14) provides safety for future failure situations.

The oil is supplied in the compressor by removing the oil tap (15) on compressor chassis. The old oil is discharged by discharge valve (16) under separator tank.



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Air Compressor System PACKAGING DESCRIPTION







DATA SHEET

19	-Nov-2012		DVK 125		DALGAKIRAN					
R	ev. No: 03		DVR 125							
		Maximum Working Pressure Maksimum Çalışma Basıncı		bar	10	13				
	NOL	Capacity at Nominal Working Pre Nominal Çalışma Basıncında Kapat	ssure (FAD / ISO 1217-AnnexC)	m ³ /min m ³ /dak	13.50	11.00				
IMP		Shaft Power at Nominal Working Nominal Çalışma Basıncında Şaft G	Pressure Vúců	kW	87.1	86.9				
	OKE	Idling Shaft Power Rölantide Şaft Gücü		KW	22.7	22.6				
	DC 1	Nominal Working Pressure Nominal Calisma Basinci		bar	9.5	12.5				
	& G	Minimum Working Pressure Minimum Çalışma Basıncı		bar	5.0	5.0				
	SITE	Air-End Male Rotor Speed Vida Devri		rpm	2400	1900				
	APA	Maximum Package Power at	With Fan (IE2 Motor) ISO1217-AnnexC [Fank]	kW	95.0	94.8				
	APA	Specific Energy Consumption	Without Fan (IE2 Motor) [Fansi2] With Fan (IE2 Motor) ISO1217-Annex C [Fania]	IAA/Im2/min	7.04	8.62				
	3	Drive Oustan	Without Fan (IE2 Motor) [Fansiz]	Kywinonini	6.82	8.35 Builters				
		Tahrik Sistemi			Kayış /	Kasnak				
		Minimum Allowed Ambient Temp. Minimum Ortam Sıcaklığı		°C	+ 5	+ 5				
	L'AL	Maximum Allowed Ambient Temp Maksimum Orlam Sicakliği	•	°C	+ 47	+ 47				
	BNER	Compressed Air Temp. Rise Over Emiş Sıcaklığına Bağlı Hava Çıkış S	Suction Temp. Sicaklık Artışı	°C	10	10				
DA	80	Heat Rejection to the Oil Cooler (Yağ Soğutucudaki Güç	נדנ	kW	74.06	73.87				
OLIN		Heat Rejection to the After Cooler Hava Soğutucudaki Güç	(ΔΤ)	kW	13.07	13.04				
Sõ	,TTM	Cooling Air Flow Rate (All Fans) [Soğutma Havası Debisi (Tüm Fanla	2 .]	m³/h m³/saat	25000	25000				
	GUTM	Dimension of Air Outlet(s) Radvator Hava Cikis Kesit(ler)i		mm	1000x1122	1000x1122				
	AIR-CO	Max.Cooling Air Pressure Drop Sogutma Havasının Maksimum Bas	inç Kaybi	Pa	150	150				
	HAN	Cooling Air Temp Rise Over Amb Ortam Sıcaklığına Bağlı Soğutma H	ent Temp. avası Sıcaklık Artışı	°C	10 - 15	10 - 15				
		Main Motor Rated Output Power Ana Motor Quaş Gücü	4	KW	90	90				
		Main Motor Efficiency (IE3) Ana Motor Verimliliği		%	95	95				
		Main Motor Efficiency (IE2) Ana Motor Verimliliği		%	94.6	94.6				
		Main Motor Mounting Ana Motor Montaji		IMB	B3	B3				
	TOR	Main Motor Frame Size Ana Motor Gövde	the second second		315 M	315 M				
TA I	DWN NO.	Main Motor Degree of Protection Ana Motor Muhafaza Derecesi		IP	IP55	IP55				
SDA	MAIR	Main Motor Pole Number Ana Motor Kutup Sayısı	And the second s	#P	2	2				
R VI		Main Motor Rated Speed (Synchr Ana Motor Devri (50Hz'deki Senkroi	onous Speed at 50Hz) nize Devin)	rpm	3000	3000				
NOTO		Main Motor Rated Speed (Synchr Ana Motor Devri (60Hz'deki Senkrol	onous Speed at 60Hz) nize Devir)	rpm	3600	3600				
FAN MAN MAN		Main Motor Insulation Class Ana Motor Izolasyon Sinifi			F	F				
IN &		Main Motor Temperature Rise Cla Ana Motor Sicaklik Sinifi	55		В	В				
ANA	noi Ten	Number of Fans Fan Sayisi		#	1	1				
	S) I Vers VR() ulanar	Fan Motor(s) Rated Input Power (Fan Motor Giriş Gucu (Tum Fanlar)	All Fans)	kw	2.94	2.94				
	TOR to [W]	Fan Motor(s) Degree of Protection Fan Motor Muhafaza Derecesi	1	IP	IP54	IP54				
	N MO Cable MOTO Dulard	Fan Motor(s) Pole Number Fan Motor Kutup Sayisi		#P	4	4				
	FA Applis FAN FAN	Fan Motor(s) Rated Speed (Synch Fan Motor Devri (50Hz'deki Senkroi	ronous Speed at 50Hz) nize Devir)	rpm	1500	1500				
	Not [W]	Fan Motor(s) Rated Speed (Synch Fan Motor Devri (60Hz'deki Senkror	ronous Speed at 60Hz) size Devir)	rpm	1800	1800				

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DATA SHEET

19-Nov-2012	D\/K 125			DALGAKIRAN			
Rev. No: 03	DAK 123	ilaigakiran, com					
	Oll Quantity Yağ Miktarı	(ii	45	45			
ТА	Residual Oil Content in Compressed Air Basınçlı Havada Kalan Yağ İçeriği	mg/m ³	≤ 3	≤ 3			
L DA	Compressed Air Outlet Basınçlı Hava Çıkışı	R	2"	2"			
CHNICAI	Compressor Package Inlet Power Cable Minimum Cross-Section Area (This recommended cross-section area is up to 25m Power Cable) Kompresöre Verilen Gücün Kablo Kesiti (Bu kablo kesiti 25m güç kablosuna kadar geçerlidir)	mm²	3 x 70 +35	3 x 70 +35			
	Noise Level (ISO 2151, ±3dB (A)) Ses Seviyesi	dB (A)	79	79			
JER#	Compressor Weight (approx.) Kompresör Ağırlığı (yaklaşık)	kg	2240	2240			
0 CE	Compressor Dimensions (L x W x H) Kompresör Boyutlari (B x E x Y)	mm	2500x1400x2037	2500x1400x2037			
	Please Contact DALGAKIRAN KOMPRESOR for Lower / Higher Operating Pressul Yüksek / Alçak Çalıştırma Basınçları için Lütfen DALGAKIRAN KOMPRESÖR'le İletişim	All rights reserved. DALGAKIRAN K change this specification v Tum hakları saklıdır. DALGAKIRA	COMPRESOR has the legal rights to without an announcement. IN KOMPRESÖR bu belgeyi haber				
RI	Absolute Inlet Pressure / Mutlak Giriş Basıncı	1 bar(a)	vermeksizin değiştir	me hakkına sahiptir.			
LAP	Relative Air Humidity / Bağıl Nem	0%	www.dalga	kiran com			
H 2 5	Air Inlet Temperature / Hava Giriş Sıcaklığı	20°C	www.daige				
TION	Standard Oil Type ** / Standart Yağ Tipi **	Dalgakıran Smartoil					
ID S	Set Point Thermostatic Valve / Termostatik Valf Set Değeri	71°C	and the second se				
HO Y	(*) +10°C / Minimum Water Inlet Temp. / (*) +10°C / Minimum Su Giriş Sıcaklığı			DALGAKIRAN			
R C REFER	(***) Special lubricants for different applications are available, please contact DALGAKIRAN Sales Department (***) Farklı uygulamalar için özel yağlar mevcultur, lütfen DALGAKIRAN KOMPRESÖR Satış Depa iletişime geçiniz		dalgakiran.com				

Inlet Air Filter Technical Specifications										
	Con. Size	Nominal Flow	Replacement I	Filter Element	Aprox.	Dimensions (mm)				
Model	(mm)	(m ³ / min)	main element	secondary element	Weight (kg)	Ø	Н			
Mann & Hummel Europiclon 600	110 / 110	7,5 - 15	C 23 610	CF 610	5,0	323	441			

Compressor Air End Screw Technical Specifications										
Brand Model	Power Range up to (kW)	Capacity up to (m³/min.)	Pressure up to (bar)	Weight (kg)	Speed Max. (rpm)	Dimensions (mm.)	Material			
Rotorcomp B260	132	25	15	250	3500	691x464x345	Grey Cast Iron			



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Water Separator Technical Specifications										
Filter Model	Max. Operating	Pressure Loss (mbar)	Connection Size	Weight (kg)	Flow Rate @ 10 bar	Di	mensi	ons (m	m)	
	Temp.				@ 13 bar	Α	В	С	D	
MIKROPOR G 1200 WS	80 °C	50	DN 50	10,5	1390 m³/h 1585 m³/h	145	42	467	550	

Compressed Air Filter Technical Specifications											
Brand Filter	Connection Size	Flow Rate	Max. Working	Element	Max. Working	Initial Pressure	Weight (Kg)	Dimensions (mm)			
	Inlet/Outlet		Pressure		Temperature	Loss	11,33	А	В	С	D
MIKROPOR G01820 MX	DN 65	2220,5 m³/h	16 bar	M1820	80 °C	80 mbar		194	865	808	45

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon
Grade	Р	Х	Y	А
Particle Removal (Micron)	5	1	0,01	0,01
Max. Oil carryover at 21°C (mg/m ³)	5	0,5	0,01	0,03
Max. working temperature (°C)	80	80	80	25
Initial pressure loss (mbar)	40	80	100	80
Pressure loss for element change (mbar)	700	700	700	700
Element colour code	GREEN	BLUE	RED	METAL SS

Air Receivers Technical Specifications										
Model	Capacity	Inlet/Outlet Connections	Diameter / Height	Test Pressure	Max. Working Temperature	Min. Working Temperature	Corrosion Allowance	Weight	End Type	Welding Method
YAKUT KAZAN DHT 5	5000 lt	DN 65	1400 / 3750 mm	24 bar	100 °C	10 °C	1,5mm	1540 kg	Elliptical	Submerged Ar. Welding



Air Compressor System DATA SHEET

OIL WATER SEPARATOR – BEKO D-MAT30



		compes-	volume	di	mensio	ns	weight	conden-	water	oil		filtering	3	<u>, x x x</u> ,
IA	1	capacity	con-		(mm)			input	orain	uram.	pre-	charco	alfilter	
DA.		m³/min	Liter	~	в	С	kg	thre	ad in inc	hes	kg	water kg	exh. air kg	
	mini	1,2	14	610	285	285	9	4 × 1/2"	1.0	1.0	Comt	oifilter	$1 \times 1,5$	
A	1	2	22	650	430	325	10	4 × 1/2"	1.0	1.0	Com	oifilter	1 × 1,5	"ExtErr
C	2	з	40	908	437	325	15	$4 \times 1/2"$	1"	1."		1 x 3,8	$1 \times 1,5$	() metadouter ung
N	4	5	74	965	600	380	22	4 × 1/2"	1.4	1.0	-	$1 \times 3,8$	$1 \times 1,5$	B
I	8	8	120	965	620	520	25	$4 \times 1/2"$	1."	1.4	-	$1 \times 3,8$	1 × 1,5	
C	15	15	160	1160	620	520	2.8	4 × 1/2"	1."	1.0	1 × 0 3	1 8 3 8	1 × 1 5	
E	30	30	230	1160	850	520	55	4 x 1/2"	1.4	1.0	1 x 0,3	2 x 3,8	1 x 1,5	
	61	70	790	1450	1300	1000	90	4 x 1/2"	2"	2"	4 x 0,3	4 x 3,8	1 x 1,5	

* Capacity valid for snew compressors using non-emulsifying oils. When using other types of compressors and other types of compressor oils, these figures have to be reduced (See Maintenance Book). *1m³/min = 35,3 cfm

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CRITERIA	UNIT	DATA	VENDOR DATA	Note
General:		Air Compression Backage	Air compression package	
Tag number	-	140-GP-1000	Air compression package 140-GP-1000	
		Unit 143 - 145:	Units 143 - 145	
Service	-	Service Air production	Service Air production	
Number required	-	 Compressors: 2 x 100% (1 running, 1 stand by) or 3 x 50% (2 running, 1 stand by) Air coolers: 2 x 100% (1 running, 1 stand by) or 3 x 50% (2 running, 1 stand by) + 1 x 100 % in common Wet air receiver 	- Compressors: 3 x 50% (2 running, 1 stand by) - Integrated Air coolers - Wet air receiver	
Type of compressor	_	Lubricated screw Compressor preferred	Oil injected rotary screw compressor	
Hazardous area classification	-	Non classified	Non classified	
Gas handled	-	Air	Air	
Duty	-	Continuous	Continuous	
	-	Outdoor, under shelter	Outdoor, under shelter	
Compressor manufacturer	-	By VENDOR Vendor to confirm	3 x DVK125	
INIOUEI	-	Vendor to commit.	57.54125	
Flow rate capacity (at batterry limit):				
Nominal	m ³ / h	1087	1320	Note 1,2
Design	m³ / h	VENDOR DATA	1620	Note 1,2
Iniet conditions:	har abe	1.01	1.01	
Temperature:	Dai abs	1.01	1.01	
Minimum	°C	5	5	
Average	°C	35	35	
Maximum	°C	47	47	
Relative humidity				
Warm season	%	75% @ 47°C	75% @ 47°C	
Other seasons	%	60% @ 5°C	60% @ 5°C	
Discharge conditions:				
Pressure:	hor a	10	42	
Normal	bar g	12	13	
Design (mechanical)	bar q	12	12	
Temperature:	, i i i i i i i i i i i i i i i i i i i			
Maximum	°C	62	60	
Normal	°C	20 to 62	15 to 60	
Ouality of air required	U.	80	80	
according to NF ISO 8573-1. Juin 2010		SERVICE AIR	SERVICE AIR	
Particulates		Class 4	Class 4	Note 2,3
Dew Point		N/A	N/A	Note 2,3
Oil		Class 4	Class 4	Note 2,3
Main nower data (compressor):				
Power required @ coupling / service factor)	kW / -	Vendor to confirm.	86.91/1	
Rated	kW	Vendor to confirm.	90	Note 2
CONSTRUCTION DATA				
Stage of compression:	rom	As por VENDOR standard	1000	
Rotor diameter	mm	As per VENDOR standard	270	
Materials:				
Casing	-	As per VENDOR standard	Carbon Steel (grade DD11 of EN 101111)	
Rotors	-	As per VENDOR standard	Carbon Steel (Tradename : OVAKO 520S)	
Wet air receiver	_	As per VENDOR standard	Carbon Steel (grade P265GH)	
			(9.000 . 200011)	
Oil system:				
Oil circulation	-	As per VENDOR standard	Differential pressure	
Oil type	-	As per VENDOR standard	Corena S2R	
Oil brand Oil tank / separator	-	AS per VENDOR standard VES	Yes - CF stamp	
Oil filters	-	3 x 100%	3 x 100%	
Oil cooler (type / quantity)	-	As per VENDOR standard	Aluminium plates type - fan	
Thermal valve	-	As per VENDOR standard	Yes	

Page

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CRITERIA	UNIT	DATA	VENDOR DATA	Note
Cooling system:				
			Air cooling fan	
After cooler (type)	-	By Vendor	Integrated compact heat	
Air coolor filtor		By Vondor	exchanger	
Air fan motor	-	IP / KW	IP54 / 2 94	
Shaft seals:			11 34 / 2.34	
Туре		As per VENDOR standard	Slip free V - Belt	
Couplings and guards:			BOTOBCOMP	
		Non-lubricated	Non - Lubricated	
Coupling guard		YES	YES	
Anti sparking		YES	YES	
Mounting Plates:				
compressor / driver		YES	YES	
Common single lift base plate		YES	YES	
Anchor bolts		As per VENDOR standard	Not required	
Intake filter:			High dusty filter - MH	
Туре	-	by VENDOR	Furopicion 600	
Dust collector	-	As per VENDOR standard	YES	
Free area	m²	As per VENDOR standard	Vendor standard	
Efficiency (mesh %)	%	1 µm 98%	Vendor standard	
Nominal air capacity	m³/min	As per VENDOR standard	from 7.5 to 15	
Driver:				
Туре	-	Electric Motor	Electric Motor	Note 4
			Leroy Somer	
Manufacturer	-	As per VENDOR standard	(Vendor std)	
Caracteristics	V / - / HZ	400 V / 3 phases / 50 Hz	400 V / 3 phases / 50 Hz	Note O
Main power ATEX certification	KVV	- Not required	90 Not proposed	Note 2
		Notrequied	Not proposed	
Compressor instrumentation:				
Local Gauge Boards	-	As per VENDOR standard	Yes - Logika control	
Local Control Panel	-	PLC by Vendor	PLC - Logik 25-S	
ATEX certification	-	As per VENDOR standard	Not proposed	
		Hotroquied	IP65 - Pressure switch and	
IP 65	-	IP 65 is acceptable as a minimum	transmitter	
Pressure switch	-	Required	YES	
Safety pressure valve	-	Required	YES	
Wet Air Receiver (Service Air):				
N° required	-	1	1	
Fluid	-	Wet compressed air	Wet Compressed air	
Capacity	m°	2	2	
Design pressure (gauge)	bar g	12	Up to 12	
Max allowable pressure drop	bar g	3	0	
Operating temperature	°C	20 to 62	15 to 62	
Design temperature	°C	80	100	
Design - Fabrication - Inspection code	-	ASME VIII div 1 preferred	PED 97/23/EC	Note 5
Stamp ASME (II any)	-	Required	CE	NOLE 5
Water separator				
Manufacturer	-	As per VENDOR standard	MIKROPOR	
Model	-	As per VENDOR standard	G1200WS	
Air flow (max)	m3/h	As per VENDOR standard	1200	
N° required	-	3 x 100%	3 x 100%	
Package outlet filter:				
Туре			High efficiency air line filter	
	-	As per VENDOR standard	tor particles/oil removal	
Number of filters		2 x 100%	2 x 100%	
Manufacturer	-	As per VENDOR standard	MIKROPOR	
 Model	-	As per VENDOR standard	G1600 Mx	
Particles removal efficiency	μm	Class 4 - ISO 8573	1	
Air flow (max)	m3/h	As per VENDOR standard	1600	
Oil removal efficiency	mg/m3	Class 4 - ISO 8573	0.5	
 Pressure loss	- mBar	As per VENDOR standard		
Purge Auto	-	As per VENDOR standard	Effective drain	
Design - Fabrication - Inspection code	-	As per VENDOR standard	PED 97/23/EC	Note 5
		1		

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4	I	5

CRITERIA	UNIT	DATA	VENDOR DATA	Note
Condensate / drain collection:				
Condensate / oil collection device	-	As per VENDOR standard	D-MAT 30	
Number of collector per unit	-	1 - Drain manifolded	1	
Painting:				
Type / Code		As per TSU standard	Vendor standard	
Weight & Dimensions:				
Compressor	kg	By VENDOR	2240	
Dimensions of the complete skid	mm	By VENDOR (L / W / H)	6300 x 2500 x 2400	
Part II: Misceallenous supply				
Installation & Piping:				
Interconnecting Piping Material	-	As per VENDOR standard	Galvanized Carbon Steel	
Outlet flange	-	DQ01 ASME B16.5 / RF / 150#	ASME B16.5 / RF / 150#	Note 9
Skidded equipment	-	Required	Yes	
Anchor bolts	-	As per VENDOR standard	Not required	
Electrical				
Package type	-	E2 - Field	E2-field	
Electrical cabinet	-	Required	Supplied - IP55	
Electrical cable type (interconnecting cables)	_	Copper core, XLPE insulated, PVC	Compliant	
	_	outer sheath	Compliant	
Electrical cable trays type	-	Hot dipped galvanized steel	Compliant	
Instrumentation				
Package type	-	P3	P3 - Multicontroller	
Communication type (to MCS)	-	Modbus / TCP-IP	Modbus / TCP-IP	
Part III: Particular supply				
Pressure reducing valves				
Quantity to be supplied	-	1	1	
Upstream / downstream pressure	bar g	11/7	11/7	

0		I	UNIT	D۵٦	Α		Δ Ν	Note
Votes :			ONIT	DA	~	TENDON DAT		1010
lote 1: Flowrate capacity (m3/h) at theBa	atterry limit / outlet of the pa	ackage are as per th	ne ISO1217 requirements	and are including drye	rs air regenration (20% air fl	ow estimated)	
lote 2 : Performance Req	uirements and	Guarantees for the Packa	ge:					
Perform	nance Req	uirements and Guara	antees:	Valu	les	Tolerance	s	
Nominai Air diaghar				1087	m ^s /n	- 0%		
Maximum	outlet tempe	erature		60	°C	+ 0%		
Quality of	air :			Servio	e Air			
Particu	lates			Clas	is 4	+ 0%		
Dew P	oint			N/	A	+ 0%		
Oil			(- b - c - d - c - d	Clas	is 4	+ 0%		
Electrical p	ower consu ormal / desi	imption	(absorbed	90 per co	npressor	+ 0%		
Noise level	@ rated co	onditions		85 dB(A)	@ 1 m	+0 dB(A)		
				00 00(7)				
lote 3: The quality of air re	quired is defin	ed according to NF ISO 85	73-1, Juin 2010					
-					SERVIC	E AIR		
					Clas	s 4		
Particula	tes (nb of)	particulates/m3 acco	ording to		υ,1μm < d ≤ 0,5μ	m : Not specified		
	part	iculates SIZE)			u, 5 μm ≤ u ≤ 1,0 μ 1.0 μm < d ≤ 5.0	$um : \le 10000$		
	[Dew Point			.,o µiii • u = 0,0 -			
	(und	der pressure)			-			
		Oil			Class	s 4		
(total oil	concentrat	ion, at 20°C and 100	kPa) (in		< !	5		
Note 6: Each drying unit sh	cceptable for c all be double t ing for mainte rmed by dry a	lesign code for pressure ve body (one in adsorption, on nace shall be installed dow ir from the drver outlet (Apr	essel (compliant with the in regeneration) Instream the 2 dryin	h the VENDOR standard) ng units to provide final cl	eaning of the dry air str	eam by removing solid partic	es from the dryer de	esiccar
Vote 6: Each drying unit sh Vote 7: Afterfilters with valv Vote 8: Regeneration perfor Vote 9: Piping battery limit	cceptable for c all be double t ing for mainte rmed by dry a connections f	lesign code for pressure ve body (one in adsorption, on nace shall be installed dow ir from the dryer outlet (App or the Package are:	essel (compliant with the in regeneration) Instream the 2 dryin prox 20% of total flo	h the VENDOR standard) ng units to provide final cl w rate is used for dryer n	eaning of the dry air str egeneration). Air used :	eam by removing solid partic	des from the dryer de	esiccar
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