

AKD Verteiler:	Data sheet	38/07/2-1
<u>Airconditioning hose DN 08 H3</u>		

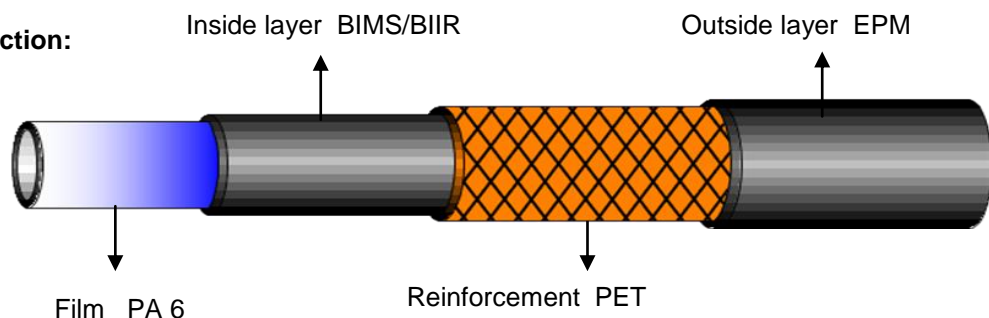
Temperature Range	Working Temperature:	-40 to 150 °C	
	Peak Temperature:	160°C	
Refrigeration	Refrigerant:	R134a R1234yf *	
	Compressor oil:	PAG**	
Identification	- PHX DN 08 H3 PA6-BIMS/BIIR-PET-EPM -		
Product description	unit	value	
Inside diameter	mm	8,0 ± 0,3	
Outside diameter	mm	14,5 ± 0,3	
Max. Eccentricity	mm	0,3	
Adhesion test –films inner layer – elastomer innerlayer	N/mm	>3,0	
Adension test – for Reinforcements	N/mm	>2,5	
Weight	g/m	138	
Functional description	unit	value	
Operating pressure	MPa	3,5	
Burst pressure (specified)	MPa	>13,7	
Bending radius	mm	R60 (yard ware) R35 (preformed hoses)	
Permeation***		R134a	R1234yf*
	VDA (240h,90°C) [g/m/d]	<0,2	<0,2
	SAE J2727 [kg/m²y]	<0,5	<0,5
Customer standard	Standard	Conformity	
VW Group	TL 82316	Yes	
Daimler AG	A211 830 0600	Yes	
BMW AG	QV 64005	Yes	
Renault S.A.	RSA 32-02-017	Yes	
General Motors Company	GMW 14319	Yes	
MAN SE	MAN M3118-2	Yes	
Scania AB	TR1323-030320	Yes	
	EU Richtlinie 2006/40/EG	Yes	
	SAE 2064	type E	

* released for BMW, Daimler and VW (suction / liquid side)

** approved oils available upon request

*** Permeation determined on AC-lines

Hose construction:



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AKD Verteiler:	Data sheet	38/07/2-2
<u>Airconditioning hose DN 10 H3</u>		

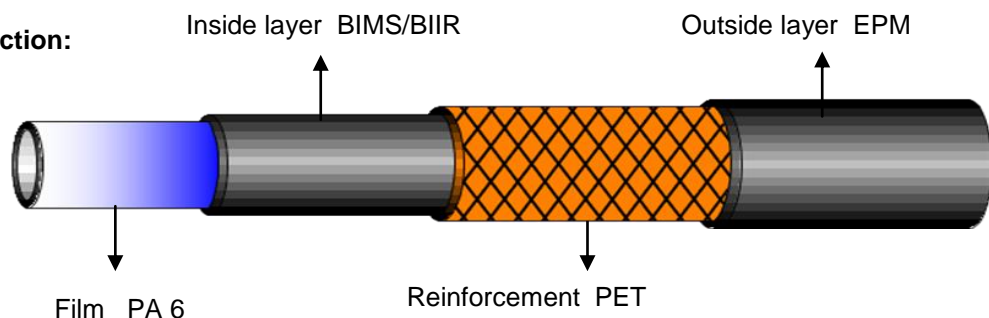
Temperature Range	Working Temperature:	-40 to 150 °C	
	Peak Temperature:	160°C	
Refrigeration	Refrigerant:	R134a R1234yf *	
	Compressor oil:	PAG**	
Identification	- PHX DN 10 H3 PA6-BIMS/BIIR-PET-EPM -		
Product description	unit	value	
Inside diameter	mm	10,0 ± 0,3	
Outside diameter	mm	16,5 ± 0,4	
Max. Eccentricity	mm	0,3	
Adhesion test –films inner layer – elastomer innerlayer	N/mm	>3,0	
Adension test – for Reinforcements	N/mm	>2,5	
Weight	g/m	156	
Functional description	unit	value	
Operating pressure	MPa	3,5	
Burst pressure (specified)	MPa	>13,7	
Bending radius	mm	R70 (yard ware) R40 (preformed hoses)	
Permeation***		R134a	R1234yf*
	VDA (240h,90°C) [g/m/d]	<0,2	<0,2
	SAE J2727 [kg/m²y]	<0,5	<0,5
Customer standard	Standard	Conformity	
VW Group	TL 82316	Yes	
Daimler AG	A211 830 0600	Yes	
BMW AG	QV 64005	Yes	
Renault S.A.	RSA 32-02-017	Yes	
General Motors Company	GMW 14319	Yes	
MAN SE	MAN M3118-2	Yes	
Scania AB	TR1323-030320	Yes	
	EU Richtlinie 2006/40/EG	Yes	
	SAE 2064	type E	

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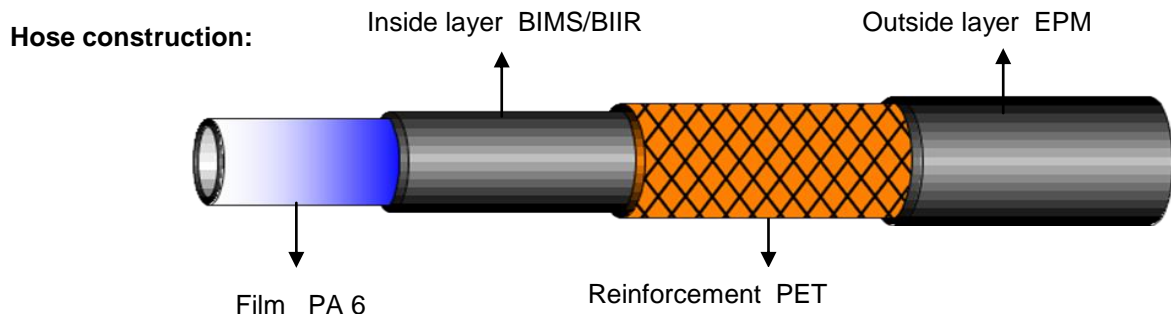
AKD Verteiler:	Data sheet	38/07/2-3
<u>Airconditioning hose DN 13 H3</u>		

Temperature Range	Working Temperature:	-40 to 150 °C	
	Peak Temperature:	160°C	
Refrigeration	Refrigerant:	R134a R1234yf *	
	Compressor oil:	PAG**	
Identification	- PHX DN 13 H3 PA6-BIMS/BIIR-PET-EPM -		
Product description	unit	value	
Inside diameter	mm	13,0 ± 0,3	
Outside diameter	mm	20,9 ± 0,5	
Max. Eccentricity	mm	0,3	
Adhesion test –films inner layer – elastomer innerlayer	N/mm	>3,0	
Adension test – for Reinforcements	N/mm	>2,5	
Weight	g/m	252	
Functional description	unit	value	
Operating pressure	MPa	3,5	
Burst pressure (specified)	MPa	>13,7	
Bending radius	mm	R80 (yard ware) R50 (prefromed hoses)	
Permeation***		R134a	R1234yf*
	VDA (240h,90°C) [g/m/d]	<0,2	<0,2
	SAE J2727 [kg/m²y]	<0,5	<0,5
Customer standard	Standard	Conformity	
VW Group	TL 82316	Yes	
Daimler AG	A211 830 0600	Yes	
BMW AG	QV 64005	Yes	
Renault S.A.	RSA 32-02-017	Yes	
General Motors Company	GMW 14319	Yes	
MAN SE	MAN M3118-2	Yes	
Scania AB	TR1323-030320	Yes	
	EU Richtlinie 2006/40/EG	Yes	
	SAE 2064	type E	

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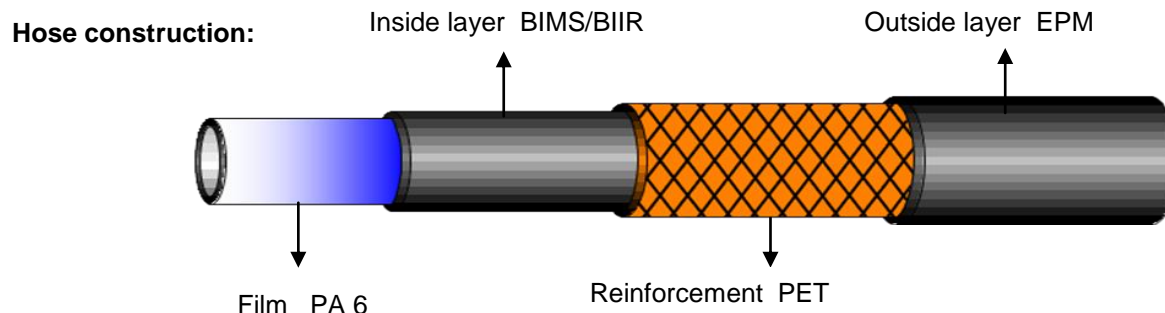
AKD Verteiler:	Data sheet	38/07/2-4
<u>Airconditioning hose DN 16 H3</u>		

Temperature Range	Working Temperature:	-40 to 150 °C	
	Peak Temperature:	160°C	
Refrigeration	Refrigerant:	R134a R1234yf *	
	Compressor oil:	PAG**	
Identification	- PHX DN 16 H3 PA6-BIMS/BIIR-PET-EPM -		
Product description	unit	value	
Inside diameter	mm	16,0 ± 0,3	
Outside diameter	mm	24,1 ± 0,5	
Max. Eccentricity	mm	0,3	
Adhesion test –films inner layer – elastomer innerlayer	N/mm	>3,0	
Adhesion test – for Reinforcements	N/mm	>2,5	
Weight	g/m	298	
Functional description	unit	value	
Operating pressure	MPa	3,5	
Burst pressure (specified)	MPa	>13,7	
Bending radius	mm	R90 (yard ware) R60 (preformed hoses)	
Permeation***		R134a	R1234yf*
	VDA (240h,90°C) [g/m/d]	<0,2	<0,2
	SAE J2727 [kg/m²y]	<0,5	<0,5
Customer standard	Standard	Conformity	
VW Group	TL 82316	Yes	
Daimler AG	A211 830 0600	Yes	
BMW AG	QV 64005	Yes	
Renault S.A.	RSA 32-02-017	Yes	
General Motors Company	GMW 14319	Yes	
MAN SE	MAN M3118-2	Yes	
Scania AB	TR1323-030320	Yes	
	EU Richtlinie 2006/40/EG	Yes	
	SAE 2064	type E	

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