

AKD Verteiler	Hose Design Specification	38/07/1
<u>PHX Aircondition Hose MT</u>		

Type of Hose:	MT
Nomination:	PHX DN... week year charge
Temperature (long-time):	-40°C to 125°C
(short-time):	135°C
Inside layer (plastic foil):	PA 6
Inside layer (rubber):	CIIR / IIR, 3.2740
Reinforcement:	PET
Outside layer (rubber):	EPDM, 3.2741
Refrigerant type:	R134a

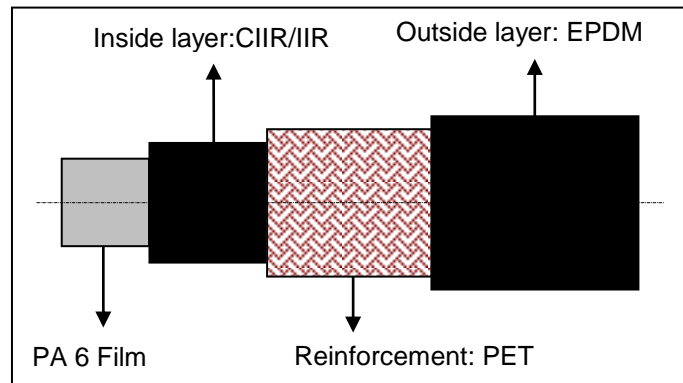
Diameter		6	8	10	13	16
Inside diameter	mm	6	8	10	13	16
Tolerance	mm ±	0,3	0,3	0,3	0,3	0,3
Wall thickness	mm	3,00	3,00	3,25	3,95	4,2
Outside diameter	mm	12,00	14,00	16,50	20,70	23,90
Tolerance	mm	±0,3	±0,3	±0,4	+0,7/-0,3	+0,7/-0,3
Weight	g/m	118	131	152	246	289
Burst pressure	MPa	>13,7	>13,7	>13,7	>13,7	>13,7
Bending radius (yardware)	mm	35	75	90	100	120
Bending radius (formed hoses)	per design guide line					
Adhesion test (Outside layer)	N/cm	>25	>25	>25	>25	>25
Leaking rate R134a	g/m/Day	0,80	0,80	1,00	1,00	1,00
Eccentricity	mm	0,3	0,3	0,3	0,3	0,3

Special property:

Hose: special features

- low waterpermeability
- high flexibility
- to be PAG - ND 8 ÖL
- good kinking resistance
- good aging resistance
- good vacuum resistance
- good muffling of noises

Hose construction:



Date	Revision	compiled	released	Page
2016-08-10	2	Monika Steube	Rene Kling	1 von 1