

Hose Features:

- High Temperature
- General Purpose Transportation hose
- Tighter bend radius than traditional 100R5 style hose, at lower pressure
- Textile braid for abrasion resistance
- Patented high- temp. CPE inner liner
- Traditional 3-braid 100R5 construction



Weatherhead H353H

Braided textile hose

Meets:

SAE 100R5 performance, SAE J1402,
DOT/FMVSS 106 Type All

Available in sizes: -4, -5, -6, -8, -10, -12,
-16, -20 & -24

Value Props:

- Proven Reliability in the field, medium pressure, high temperature and Globally Available.
- General purpose transportation hose allows the use of one hose type in multiple applications in commercial, Ag, Construction and mining conveying fuel, water, air, coolant and hot oil, etc.
- Multiple fitting options available, from flat crimp using the FJ series fittings, barrel crimp using the 069E series fittings, and field attachable options are available.

Applications:

- General purpose truck, marine, hydraulic and fuel hose
- Medium pressure hydraulics, including Power Steering, synthetics oils for transmission cooler applications and other high temperature oil applications
- Additional uses: Air brake, gasoline, Lubricating oils, coolant, air, water and bio-diesel (up to B20)

New **Weatherhead H353H:** By the numbers

Part #	Hose I.D.			Hose O.D. (nominal)		Max. Operating Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	DN	mm	In	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
H353H04-*	5	4.8	.19	13.2	.52	138	2,000	522	8,000	19.1	.75	.19	.13
H353H05-*	6	6.4	.31	14.9	.59	103	1,500	414	6,000	25.4	1.00	.24	.16
H353H06-*	8	7.9	.31	17.2	.68	103	1,500	414	6,000	31.8	1.25	.28	.19
H353H08-*	10	10.3	.41	19.5	.77	86	1,250	345	5,000	44.5	1.75	.33	.22
H353H10-*	12	12.7	.50	23.5	.92	86	1,250	345	5,000	57.2	2.25	.49	.33
H353H12-*	16	15.9	.62	27.4	1.08	52	750	207	3,000	69.9	2.75	.58	.39
H353H16-*	22	22.2	.88	31.4	1.23	28	400	110	1,600	88.9	3.50	.55	.37
H353H20-*	28	28.6	1.12	38.1	1.50	21	300	83	1,200	114.3	4.50	.68	.46
H353H24-*	35	34.9	1.38	45.2	1.78	17	250	69	1,000	139.7	5.50	.85	.57

* Order -50BX or -250R

Temperature Range

-49°C to +150°C
 (-55°F to +302°F)
 Air Not to Exceed
 +121°C (+250°F)

Certifications & Compliances

- Exceeds SAE 100R5 Performance
- SAE J1402
- DOT/FMVSS 106 Type All

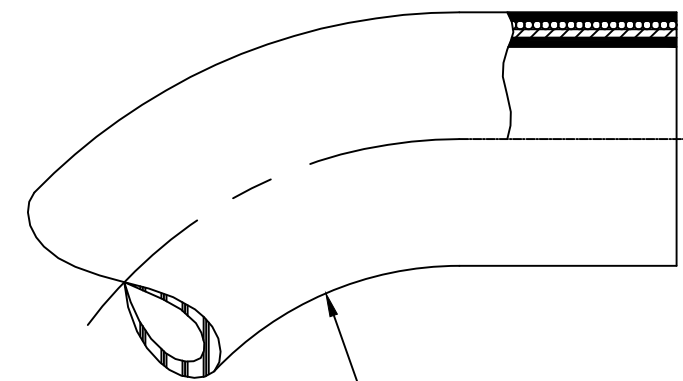
Construction

Inner tube: High Temp. CPE
Reinforcement: 1- Wire braid
Reinforcement: 2- Polyester braid
Cover: Black Textile cover

PART NUMBER	DN	I.D. (REF) mm [in]	O.D. (REF) mm [in.]	OPERATING PRESSURE bar [psi]	MIN. BURST PRESSURE bar [psi]	MIN. BEND RADIUS mm [in]	WEIGHT kg/m [lbs/ft]
H353H04	5	4.8 [.19]	13.2 [.52]	138 [2000]	552 [8000]	19.1 [.75]	0.19 [.13]
H353H05	6	6.4 [.25]	14.9 [.59]	103 [1500]	414 [6000]	25.4 [1.00]	0.24 [.16]
H353H06	8	7.9 [.31]	17.2 [.68]	103 [1500]	414 [6000]	31.8 [1.25]	0.28 [.19]
H353H08	10	10.3 [.41]	19.5 [.77]	86 [1250]	345 [5000]	44.5 [1.75]	0.33 [.22]
H353H10	12	12.7 [.50]	23.5 [.92]	86 [1250]	345 [5000]	57.2 [2.25]	0.49 [.33]
H353H12	16	15.9 [.62]	27.4 [1.08]	52 [750]	207 [3000]	69.9 [2.75]	0.58 [.39]
H353H16	22	22.2 [.88]	31.4 [1.23]	28 [400]	110 [1600]	88.9 [3.50]	0.55 [.37]
H353H20	28	28.6 [1.12]	38.1 [1.50]	21 [300]	83 [1200]	114.3 [4.50]	0.68 [.46]
H353H24	35	34.9 [1.38]	45.2 [1.78]	17 [250]	69 [1000]	139.7 [5.50]	0.85 [.57]

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REDRAWN. UPDATED TO DANFOSS FORMAT. 1) UPDATED NOTE #4 FOR LAYLINE IDENTIFICATION. 2) UPDATED O.D. VALUES FROM MAX. TO REF. FOR ALL SIZES. 3) UPDATED "TITLE" AND "SUBTITLES"	2022-12-07 DDK/TMH	CO-0226748

(B)
2



METRIC

5. TEMPERATURE RANGE: -50°C TO +150°C [-58°F TO +302°F]; AIR NOT TO EXCEED +121°C [+250°F]

4. EXAMPLE OF LAYLINE IDENTIFICATION: WHITE INK WHEEL. (B)
1

FOR -04 THROUGH -12 SIZES:

LINE a): "WEATHERHEAD BY DANFOSS H353H04 4.8 MM (0.19 IN) DN5 AIR BRAKE SAE J1402 All"
PART NUMBER NOMINAL I.D.

LINE b): LOCATED 180° FROM LINE a)

"WEATHERHEAD BY DANFOSS H353H04 DN5 (0.19 IN) (DDYY) DOT (-50°C/+150°C) MADE IN USA /-/-"
PART NUMBER NOMINAL I.D. DATE CODE COUNTRY OF MFG MFG I.D. CODE

FOR -16 THROUGH -24 SIZES: WHITE INK WHEEL

1st LINE: "WEATHERHEAD BY DANFOSS H353H16 HIGH-TEMP 22.2 MM (0.88 IN) DN22 28 BAR (400 PSI)"

2nd LINE: "H353H16 -50°C TO +150°C (-58°F TO +302°F) YYYY-MM-DD MADE IN USA /-/- LOT CODE"

3. APPLICATION: AIR, GASOLINE, FUEL, LUBRICATING OILS AND COOLANTS.

2. CONSTRUCTION: CHLORINATED POLYETHYLENE RUBBER INNER TUBE, POLYESTER INNER BRAID, SINGLE WIRE BRAID REINFORCEMENT, POLYESTER BRAID COVER.

1. ALL HOSE ATTRIBUTES ARE METRIC [INCH].

FLUID CONVEYANCE DIVISION MAUMEE, OHIO U.S.A.		DRAWN D. KUMBHAR
		CHECKED T. HIRVE
		APPROVED P. DEWITT
		RELEASE DATE 2022-12-07
		DRAWING INTERPRETATION PER ES 10
		DRAWING TITLE WEATHERHEAD HOSE (B) 3
		WIRE REINFORCEMENT, POLYESTER COVER SAE J1402, DOT/FMVSS-106
CO-0226748	CAGE CODE 01276	DRAWING NUMBER H353H
THIRD ANGLE PROJECTION	DIST U	REV B
	SIZE A3	
	SCALE NONE	
	SHEET 1	
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