

DuPont™ Suva®

REFRIGERANTS

Technical Information

Velocity In Lines for DuPont™ Suva® 407C Refrigerant (20°C Evaporator Outlet) SI Units

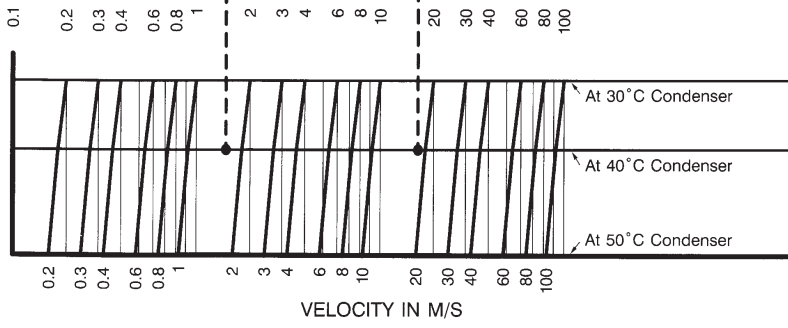
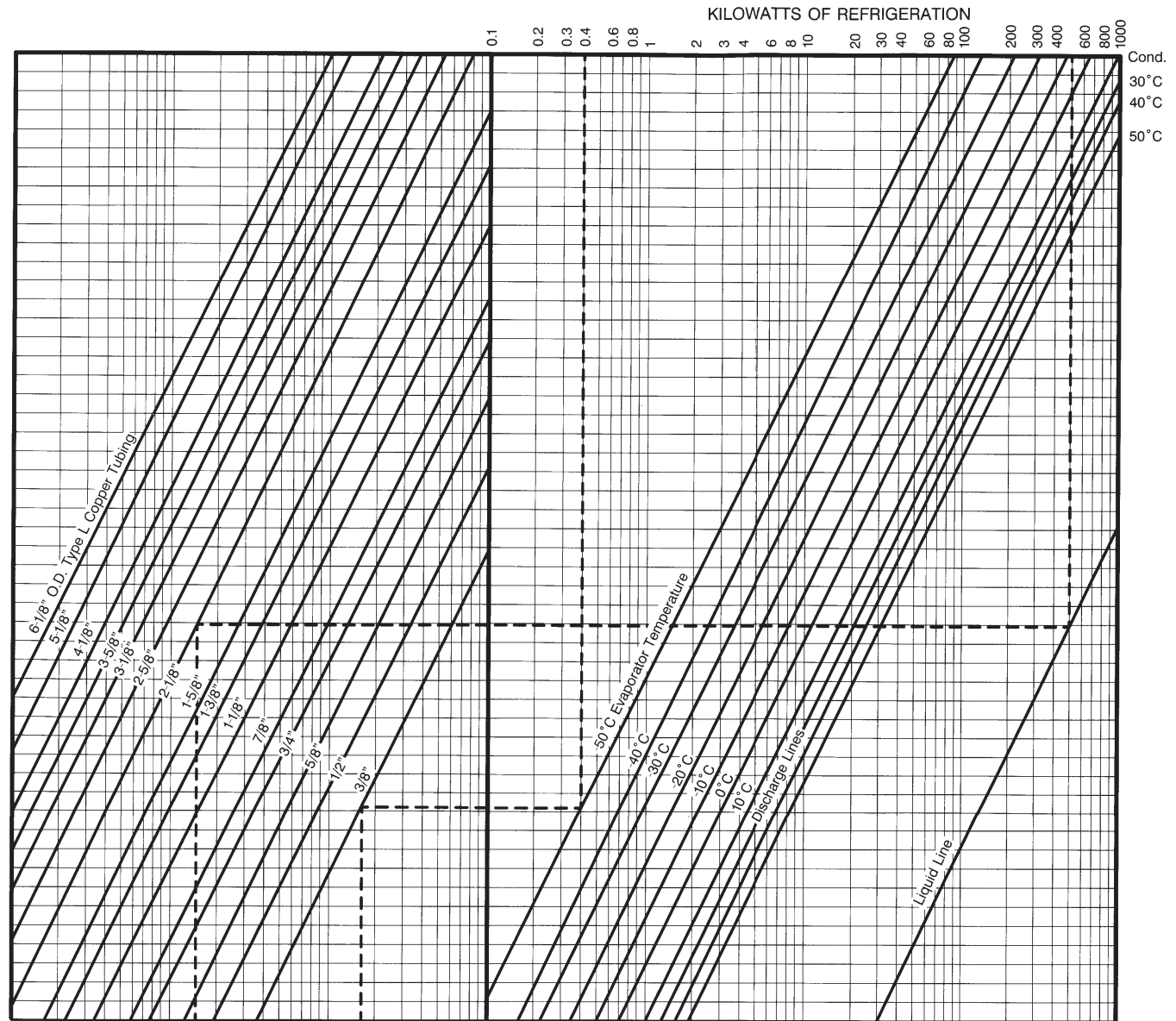
Dimensions of Type L Copper Tubing

Outside Diameter Inches	Inside Diameter	
	Inches	mm
6-1/8	5.845	148.5
5-1/8	4.875	123.8
4-1/8	3.905	99.2
3-5/8	3.425	87.0
3-1/8	2.945	74.8
2-5/8	2.465	62.6
2-1/8	1.985	50.4
1-5/8	1.505	38.2
1-3/8	1.265	32.1
1-1/8	1.025	26.0
7/8	0.785	19.9
3/4	0.666	16.9
5/8	0.545	13.8
1/2	0.430	10.9
3/8	0.315	8.0



The miracles of science™

DuPont™ Suva® 407C Refrigerant – Velocity In Lines (20°C Evaporator Outlet)



EXAMPLES:

- 0.4 kW, -50°C evap., 40°C cond.
3/8" suction line velocity = 18 m/s
- 500 kW, 40°C condenser
2-1/8" liquid line velocity = 1.7 m/s

NOTE: Liquid line determined at -20°C evap. and 30°C cond.
Discharge lines at -20°C evap. Other conditions do not appreciably change result. Net refrigeration for SUVA® AC9000 includes suction gas at 20°C.

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