

# Danfoss hermetic compressors capillary sizing chart

Category: Refrigeration  
written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 6, 2026

DANFOSS COMPRESSOR				
Capillary Length	Capillary No.	Oil	HP (Refrigerant)	Compressor No.
4 Feet	0.26	150 ml	1/12	FL2A
6 Feet	0.26	150 ml	1/12	FL2.5A
8 Feet	0.26	150 ml	1/12	FL2.0B
4 Feet	0.26	150 ml	1/14	FW020B
6 Feet	0.26	175 ml	1/10	FW030J
8 Feet	0.26	175 ml	1/10	TL3B
7.5 Feet	0.28	200 ml	5/8	TL4A
7.5 Feet	0.28	200 ml	5/8	FW040B
7.5 Feet	0.28	200 ml	5/8	FW040J
7.5 Feet	0.28	200 ml	5/8	FW040H
7.5 Feet	0.28	200 ml	5/8	TP040J
8 Feet	0.31	250 ml	5/8	TL5A
8 Feet	0.31	250 ml	5/8	FW050H
8 Feet	0.31	250 ml	5/8	FW050J
8 Feet	0.31	275 ml	5/8	FW060
10 Feet	0.31	275 ml	5/8	FW07.5A
10 Feet	0.31	300 ml	5/8	FW07.5B
10 Feet	0.31	300 ml	5/8	FW08A

Technicians match Danfoss compressors to systems using precise capillary tube lengths from 4 to 10 feet, paired with specific oil charges like 150 ml for 1/12 HP models. Capillary numbers 0.26 to 0.31 ensure optimal refrigerant flow in LBP setups.

## Spot Welding Machine Circuit

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Fabricators rely on the classic spot welding machine circuit featuring a half-wave rectifier for reliable AC-to-DC conversion. A heavy-duty step-down transformer boosts current for nugget formation, while an adjustable timer controls squeeze, weld, and hold phases precisely.

## Mitsubishi Electric PUHY-P250YKH-TH

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The Mitsubishi Electric PUHY-P250YKH-TH stands out as a powerful 25HP outdoor unit in the City Multi VRF series, designed for large-scale commercial HVAC applications. Featuring R410A refrigerant, it delivers 22.4 kW nominal cooling and 25.0 kW heating capacity with top-tier efficiency.