

Transcritical CO2 Condensing Unit



- Supported, Designed, and Manufactured in NZ.
- Natural Refrigerant solution.
- Very low carbon footprint.
- Better energy efficiency than standard HFC solutions.
- Preprogrammed for quick and easy start-up.
- Rated 120/80/80bar.
- Reliable Danfoss inverter and controls.
- Proven Frascold compressors.
- Supplied c/w: Pack Controller, Precise electric regulating valves, electric valve backup battery, HP/LP safety, Crankcase Heater, Oil-separator, Flash tank receiver with sight glass, Liquid line drier, and Isolator switch.
- Optional coil treatment available.

CO2PAK SMTDX 6 - 30



CAPACITY (kW) @ 30°C Ambient

Model	Refrigerant	Evaporating Temp °C							
		-15		-10		-5		0	
		Min	Max	Min	Max	Min	Max	Min	Max
		30Hz	60Hz	30Hz	60Hz	30Hz	60Hz	30Hz	60Hz
SMTDX6	R744 (CO2)	1.93	4.2	2.3	5.1	2.75	6.1	3.3	7.1
SMTDX10	R744 (CO2)	3.6	7.8	4.5	9.7	5.4	11.8	6.5	14.2
SMTDX15	R744 (CO2)	4.9	10.7	6.1	13.3	7.5	16.2	8.9	19.4
SMTDX20	R744 (CO2)	6.9	14.9	8.5	18.5	10.3	22.4	12.4	26.9
SMTDX30	R744 (CO2)	10.3	22.4	12.7	27.7	15.5	33.7	18.6	40.3

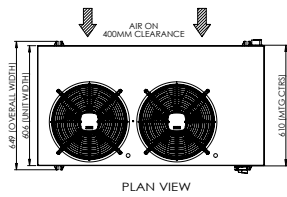
CAPACITY (kW) @ 20°C Ambient

Model	Refrigerant	Evaporating Temp °C							
		-15		-10		-5		0	
		Min	Max	Min	Max	Min	Max	Min	Max
		30Hz	60Hz	30Hz	60Hz	30Hz	60Hz	30Hz	60Hz
SMTDX6	R744 (CO2)	2.5	5.5	3.1	6.75	3.7	8.1	4.5	9.7
SMTDX10	R744 (CO2)	5.0	10.8	6.1	13.3	7.4	16.1	8.9	19.3
SMTDX15	R744 (CO2)	6.8	14.8	8.4	18.2	10.2	22.1	12.2	26.4
SMTDX20	R744 (CO2)	9.4	20.5	11.6	25.2	14.1	30.5	16.8	36.5
SMTDX30	R744 (CO2)	14.2	30.8	17.4	37.8	21.1	45.8	25.2	54.8

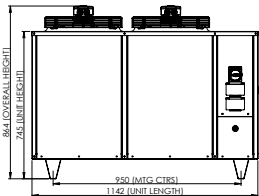
CO2 Pak standard application ambient range 0 C° to 35 C°
For operating outside the listings please contact your local branch.

DIMENSIONS

SMTDX6

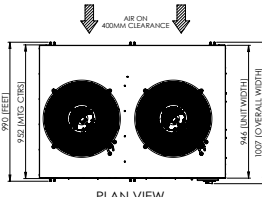


PLAN VIEW

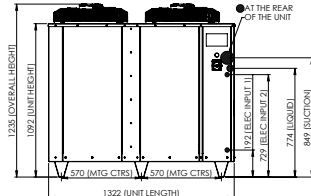


FRONT ELEVATION

SMTDX10
SMTDX15

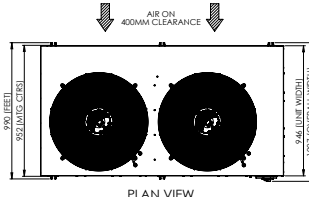


PLAN VIEW

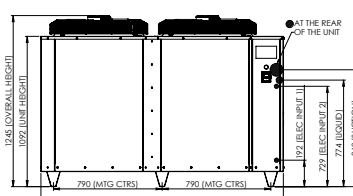


FRONT ELEVATION

SMTDX20

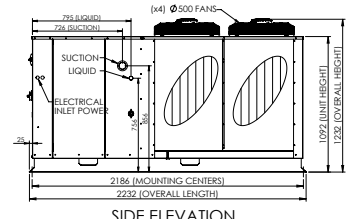


PLAN VIEW

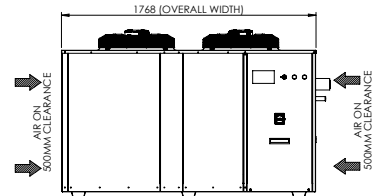


FRONT ELEVATION

SMTDX30



SIDE ELEVATION



FRONT ELEVATION

NTS (mm) (*1)

TECHNICAL DATA

MODEL	COMPRESSOR				GAS COOLER			FLASH TANK RECEIVER	CONNECTIONS		Wgt (kg) (*1)
	Model	Voltage	RLA Amps (Max)	LRA Amps	Fan Motors			CO ₂ Capacity (kg) (*1)	Suction	Liquid	
					Note. (*2)	Tot. Watts	Tot. Amps				
SMTDX6	D3.5-2.2TK	380-420/3/50	7.3	46.3	2 x 350	340	2.4	11.90	1/2	3/8	265
SMTDX10	Q7-4.5TK	380-420/3/50	16.5	87.3	2 x 500	1300	7.0	15.75	5/8	1/2	325
SMTDX15	Q9-6TK	380-420/3/50	23.6	96.8	2 x 500	1300	7.0	15.75	5/8	1/2	420
SMTDX20	S10-8TK	380-420/3/50	26.6	102.0	2 x 630	1240	5.4	15.75	5/8	5/8	480
SMTDX30	S20-12TK	380-420/3/50	40.9	171.0	4 x 500	2600	11.6	26.35	3/4	5/8	965

NOTES:

- Nominal Data.
- All fans are EC 220-240/1/50.
- Electrically complies to AS/NZS 60335.2.89 : 2002 + A1-A3 (Selected clauses).

WARRANTY TERMS:

12 Months Warranty, see branch standard terms of trade for details.

The company reserves the right to make specification changes without notice. NZ 04/09/2023