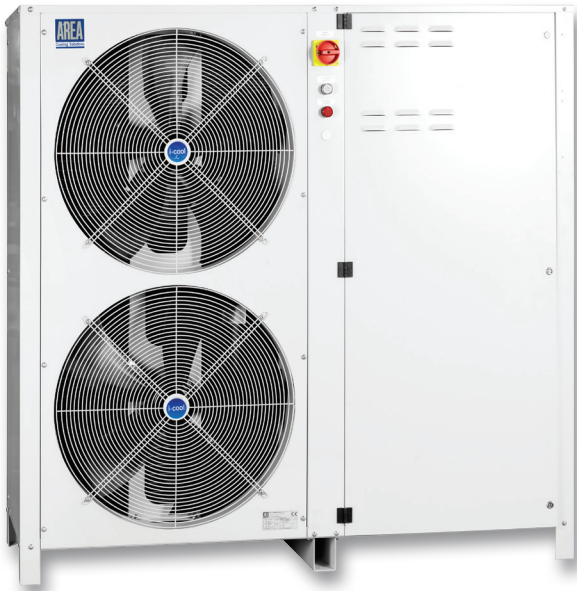


NEW

i-cool



# ENERGY EFFICIENT +

I-cool is a new generation of multi refrigerant inverter driven low noise condensing unit. These units are particularly suitable for small and medium sites such as convenience stores, petrol forecourts, cold rooms and many other applications, targeting customers who care about flexibility, reliability and energy savings.

## KEY POINTS:

- Capacity modulation with inverter technology
- Reduced starting current
- Smooth inverter start
- Fully factory tested



Authorised distributor

Thermofrost Cryo

# INVERTER DRIVEN-LOW NOISE-HOUSED CONDENSING UNIT

The I-cool range covers low, medium/high back pressure applications.

All units are factory fitted with the following components:

- Digital electronic PID Controller
- HP/LP Pressure switch
- LP Safety switch
- Suction accumulator (Except SAPTXiN-4.5)
- Liquid receiver
- Liquid line drier and side glass
- Fan speed control
- Oil separator (One per compressor)
- Inverter drive

## Medium temperature units, R404a refrigerant (also suitable for R407F) - Cooling capacity at 30 and 90 Hz

Unit	-15°C	-10°C	-5°C	0°C	5°C	10°C
SAPTXiN-4.5 MHP	780 - 3,060	1,150 - 4,030	1,590 - 5,030	2,090 - 6,030	2,590 - 7,040	3,050 - 8,090
SAPTXiSs-10 MHP	1,800 - 7,520	2,290 - 9,170	2,920 - 11,050	3,720 - 13,180	4,710 - 16,550	5,930 - 19,430
SAPTXiSs-17D MHP	1,860 - 14,540	2,380 - 17,510	3,040 - 20,930	3,890 - 24,850	4,960 - 29,320	6,270 - 34,350
SAPTXiSs-21D MHP	1,860 - 17,220	2,380 - 20,480	3,040 - 24,190	3,890 - 28,400	4,960 - 33,160	6,270 - 38,480

Note: SAPTXiN 4.5 MHP is approved for R404A only and uses a Bristol inverter driven reciprocating compressor.

Min speed 20Hz, max speed 80Hz.

## Medium temperature units, R404a refrigerant (also suitable for R407F) - Cooling capacity at 20 and 80 Hz

Unit	-15°C	-10°C	-5°C	0°C	5°C	10°C
SAPTXiSs-26D MHP	4,050 - 21,730	5,000 - 25,420	6,170 - 29,610	7,620 - 34,410	9,380 - 39,860	11,500 - 46,030
SAPTXiSs-29D MHP	4,050 - 23,990	5,000 - 28,040	6,170 - 32,610	7,620 - 37,810	9,380 - 43,710	11,500 - 50,380

## Medium temperature units, R134a refrigerant (also suitable for R407F) - Cooling capacity at 40 and 90 Hz

Unit	-10°C	-5°C	0°C	5°C	10°C	15°C
SAPTXiSs-10 MHP	2,611 - 6,450	3,239 - 7,900	4,023 - 9,659	4,998 - 11,777	6,197 - 14,291	7,653 - 17,229
SAPTXiSs-17D MHP	2,674 - 11,470	3,322 - 13,877	4,131 - 16,772	5,139 - 20,236	6,380 - 24,332	7,890 - 29,110
SAPTXiSs-21D MHP	2,674 - 13,811	3,322 - 16,618	4,131 - 19,974	5,139 - 23,962	6,380 - 28,646	7,890 - 34,074

## Low temperature units, R404a refrigerant - Cooling capacity at 20 and 75 Hz

Unit	-40°C	-35°C	-30°C	-25°C	-20°C	-15°C
SAPTXiSs-10 LP	1,120 - 6,490	1,680 - 8,490	2,270 - 10,360	2,950 - 12,630	3,790 - 15,340	4,840 - 18,530
SAPTXiSs-17D LP	1,130 - 11,090	1,700 - 13,700	2,290 - 16,760	2,990 - 20,140	3,850 - 22,857	4,930 - 29,810

Duties based on an ambient of 32 °C

## Technical Data

Unit	Dimensions	Weight	Noise level dB(A) at 10m		Connections		Receiver
	W x D x H	Kg	Nominal	Maximum	Suction	Liquid	Litres
SAPTXiN 4.5 MHP	1,100 x 456 x 622	90	37	42	7/8"	3/8"	3.9
SAPTXiSs-10 MHP	1,325 x 430 x 995	160	39	47	7/8"	1/2"	10
SAPTXiSs-17D MHP	1,510 x 470 x 1,500	190	42	50	1.1/8"	5/8"	15
SAPTXiSs-21D MHP	1,510 x 470 x 1,500	190	42	50	1.1/8"	5/8"	15
SAPTXiSs-26D MHP	1,530 x 880 x 1,500	400	44	52	1.3/8"	7/8"	15
SAPTXiSs-29D MHP	1,530 x 880 x 1,500	430	44	52	1.3/8"	7/8"	15
SAPTXiSs-10 LP	1,310 x 450 x 1,500	190	40	48	7/8"	1/2"	15
SAPTXiSs-17D LP	1,530 x 875 x 1,500	390	43	51	1.3/8"	7/8"	15

Measured according to ISO 3744

## Electrical Data

Unit	Power supply	MRA*(A)	LRA**(A)	Compressor	
				Inverter	On / Off
SAPTXiSs 4.5 MHP	230/1/50	12.5	24	V80J303MB2A	-
SAPTXiSs-10 MHP	400/3/50	16.0	-	C-SBS180H00B	-
SAPTXiSs-17D MHP	400/3/50	27.1	64	C-SBS180H00B	C-SBN303H8G
SAPTXiSs-21D MHP	400/3/50	30.5	82	C-SBS180H00B	C-SBN453H8G
SAPTXiSs-26D MHP	400/3/50	32	66	C-SBVN373LOB	C-SBN453H8G
SAPTXiSs-29D MHP	400/3/50	44.2	96	C-SBVN373LOB	C-SCN753H8T
SAPTXiSs-10 LP	400/3/50	17.2	-	C-SCVN603L0J	-
SAPTXiSs-17D LP	400/3/50	34.4	107	C-SCVN603L0J	C-SCVN603L0J

MRA\* - Maximum running amps      LRA\*\* - Locked rotor amps  
Ambient 32 °C, suction gas of 20 °C, evaporating at -10 °C (MHP or -35 °C LP)