

Low pressure CSD - HSD Series



The CSD — HSD rotary screw compressors with air deliveries from 8.26 to 86.20 m³/min at 3.5 bar (g) discharge pressure

Energy Saving

Low specific power requirement and a power thrifty controller

Slower speeds

1500 rpm OR 3000 rpm

Quiet as a whisper

Low delta - T

Only 6 k to 9 k

The efficient production and treatment of compressed air using a minimum of floor space are requirements that are realized by the 1:1 drive CSD to HSD series machines. They are low power consumers, quiet, require little maintenance and reliably produce high quality compressed air.

The modular concept allows a system to be assembled that exactly suits the user's needs.

The CSD to HSD compressor is the basic module that can be combined with a frequency control machine (SFC) to give variable speed.

Technical Specification

Model#	Working pressure bar (g)	Package FAD* at Working pressure m ³ /min	Max. pressure bar (g)	Motor power kW	Dimensions L x D x H mm	Sound level** dB (A)	Approximate Mass kg
CSD 85	3.5	8.30	5.5	45	1760 x 1110 x 1900	70	1250
CSD 105	3.5	10.15	5.5	55	1760 x 1110 x 1900	71	1290
DSD 145	3.5	14.50	5.5	75	3560 x 1730 X 2150	69	2950
DSDX 175	3.5	22.30	5.5	90	2690 x 1910 x 2140	70	3900
DSDX 245	3.5	30.9	5.5	132	2690 x 1910 x 2140	74	3950
ESD 302	3.5	37.00	5.5	160	2800 x 2000 x 2140	75	4400
ESD 352	3.5	43.00	5.5	200	2800 x 2000 x 2140	75	4900
FSD 475	3.5	49.4	5.5	250	3495 x 2416 x 2350	75	6600
FSD 575	3.5	59.30	5.5	250	3495 x 2416 x 2350	75	6900
HSD 622	3.5	74.00	5.5	320	3570 x 2145 x 2350	70	7800
HSD 662	3.5	80	5.5	360	3570 x 2145 x 2350	71	8100
HSD 722	3.5	86	5.5	400	3570 x 2145 x 2350	72	8500
CSD 85 SFC	3.5	2.35 - 10.60	5.5	45	1760 x 1110 x 1900	72	1260
CSD 105 SFC	3.5	2.86 - 12.78	5.5	55	1760 x 1110 x 1900	73	1380
DSD 145 SFC	3.5	3.88 - 21.00	5.5	75	2450 x 1730 x 2150	69	3500
DSDX 175 SFC	3.5	5.90 - 26.10	5.5	90	2940 x 1910 x 2140	70	4550
DSDX 245 SFC	3.5	5.90 - 28.40	5.5	132	2940 x 1910 x 2140	75	4700
ESD 352 SFC	3.5	10.40 - 43.90	5.5	200	3100 x 2000 x 2140	76	4850
FSD 475 SFC	3.5	14.00 - 61.30	5.5	250	3744 x 2146 x 2350	77	7500
HSD 782 SFC	3.5	49.00 - 86.20	5.5	450	4370 x 2145 x 2350	74	9600

With IE4 Motors. * Available in Frequency control also. Performance testing to ISO 1217 Annex C 2009 ed no. 4. ** Sound pressure level according to ISO 2151 and basic standard ISO 9614-2; tolerance ± 3 db(A)

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CSD - HSD Series

Uncompromising efficiency



SIGMA PROFILE alrend

At the heart of every screw lies a premium quality alrend featuring Kaeser's SIGMA PROFILE rotors.

Operating at low speed, Kaeser's alrends are equipped with flow-optimized rotors for superior efficiency.



SIGMA CONTROL 2

The SIGMA CONTROL 2 ensures efficient control and system monitoring. The large display & RFID reader provide effective communication and maximum security. Multiple interfaces offer exceptional flexibility, whilst the SD card slot makes updates quick and easy.



The future, today: IE4 motors

KAESER is currently the only compressed air systems provider to equip its compressors with Super Premium Efficiency IE4 motors as standard, thereby ensuring maximum performance and energy efficiency.



Electronic Thermo Management

The innovative Electronic Thermo Management (ETM) system dynamically controls fluid temperature to provide reliable prevention of condensate accumulation. This enhances energy efficiency, for example, by enabling heat recovery to be precisely tailored to meet customers' exact needs.