

KOMSA



Nederman focuses on individual solutions for individual needs, we utilize the years of experience and expertise to provide you with a quality solution . Since 1975, Nederman has supplied more than 30,000 air cleaning systems delivering world wide Nederman serves all industries – some examples:

- **Metal working industry**

Nederman supplies extraction, air filtration and ventilation systems to all metal working processes. Welding fumes, oil mists, and abrasive grinding dust are typical examples of applications where Nederman supplies solutions that ensure good working environment and high product quality.

- **Flue gas cleaning**

Nederman supplies systems for reduction of noxious gases as well as ordinary dust/smoke filtration from processes like scrap melting, furnaces, incinerators, crematories, coal, wood or oil fired boiler plants. All systems are characterized by low energy consumption and low residual contents.

- **Foundry industry**

Nederman supplies complete filter plants, based on the vast experience of Garant and Nederman, covering all demands in foundries all over the world: Moulding Plants, Sand Plants, Charging, Iron Melting, Aluminum Smelting, Pouring, Fettling and Shotblast.

- **Asphalt industry**

Nederman is a leading supplier of filter plants to all major suppliers of asphalt plants in the world.

The KS & KU (Temperatures up to 1,100 °F)

For use in most any type of hot gas treatment.



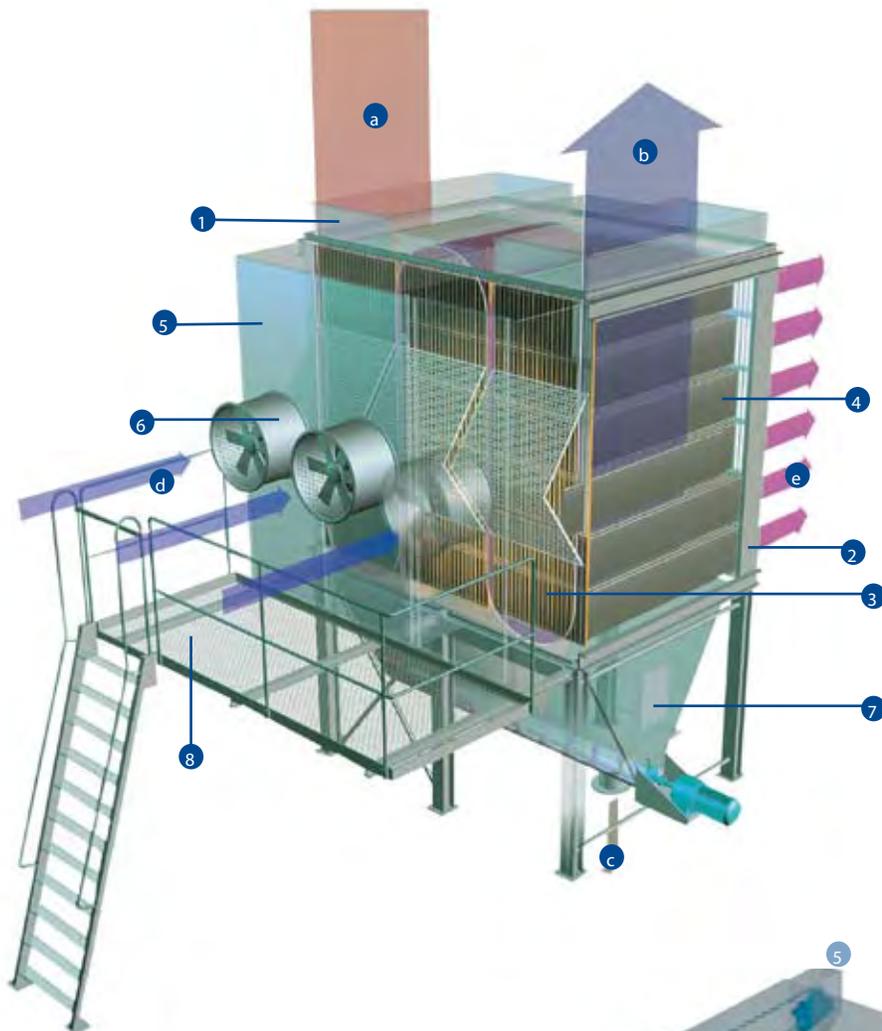
Applications:

Metal • Cement • Powder Bulk • Chemical • Coal Fired Boilers • Incinerators

Features

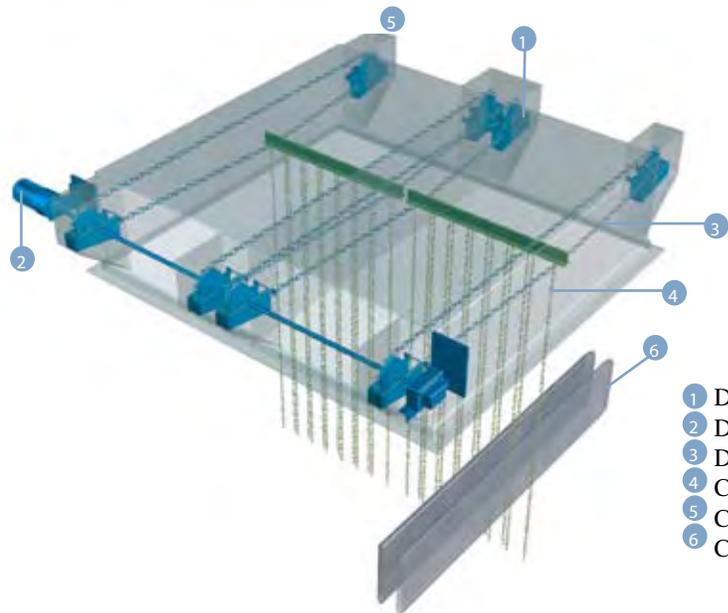
- *Automatic Cleaning system for sticky dusts*
- *All elements accessed from the catwalk*
- *Ability to pre-heat cooling air to eliminate condensation issues*
- *Low-profile*
- *Compact*
- *No Fluids Needed*
- *Self Cleaning Option*
- *Customizable*
- *Small Footprint*
- *Fully Automatic Operation*

KS Coolers



Legend

- 1 Dirty-gas hood
 - 2 Cooler housing
 - 3 Slotted wall with clamping frame
 - 4 Cooling element
 - 5 Cooling air inlet
 - 6 Cooling air fan
 - 7 Support structure with dust collecting hopper and evacuation screw
 - 8 Access and maintenance platform with ladder
-
- a Dirty-gas inlet
 - b Dirty-gas outlet
 - c Dust outlet
 - d Cooling air inlet
 - e Cooling air outlet



- 1 Dirty-gas hood
- 2 Drive station
- 3 Drive chain
- 4 Cleaning chain
- 5 Chain guide
- 6 Cooling element

Cassette-type coolers with preheating of cooling air, type KU

Danger due to the acid dew point

The cooling air must be preheated if there is any risk of the temperature on the cooling elements dropping below the acid dew point when cooling hot process gases.

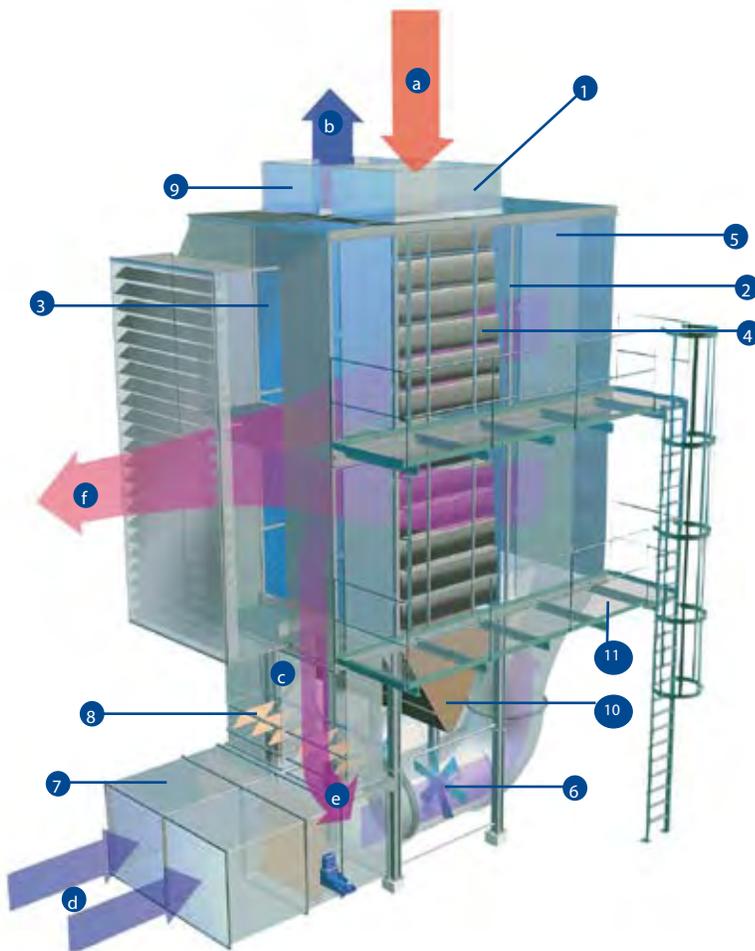
Nederman has consequently developed the cassette-type KU cooler specifically for cooling such gases.

Unlike the KS coolers, the KU unit features an additional temperature controller for preheating the cooling air.

Part of the heated cooling air and fresh air is jointly drawn in by the cooling air fan and mixed.

The present mixing temperature is adjusted by automatically opening or closing the fresh-air flap before the air stream enters the cooling elements.

This will eliminate acid condensation.



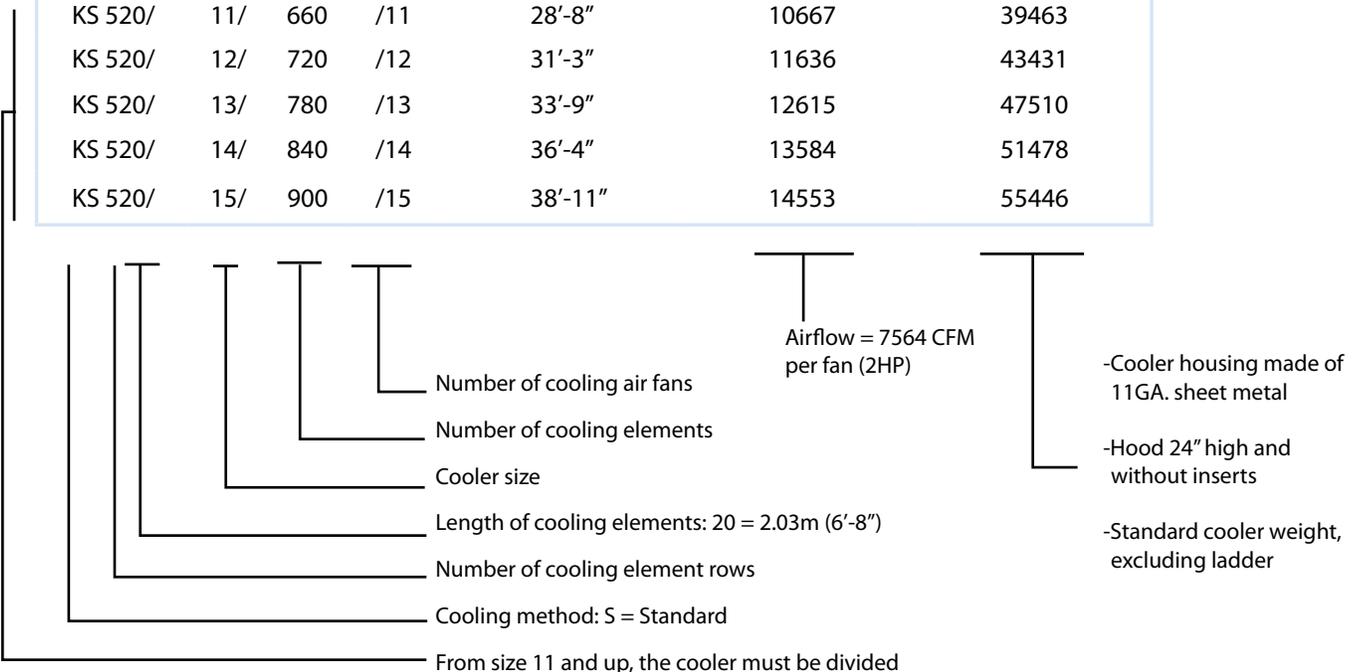
Legend

- 1 Dirty-gas hood
 - 2 Cooler housing
 - 3 Slotted wall with clamping frame
 - 4 Cooling element
 - 5 Cooling air injection box
 - 6 Cooling air fan
 - 7 Motorized butterfly valve
 - 8 Manually activated butterfly valve
 - 9 Cooling air exhaust box
 - 10 Support structure with dust collecting hopper and evacuation screw
 - 11 Access and maintenance platform with ladder
-
- a Dirty-gas inlet
 - b Dirty-gas outlet
 - c Dust outlet
 - d Cooling air inlet
 - e Preheated cooling air
 - f Cooling air outlet

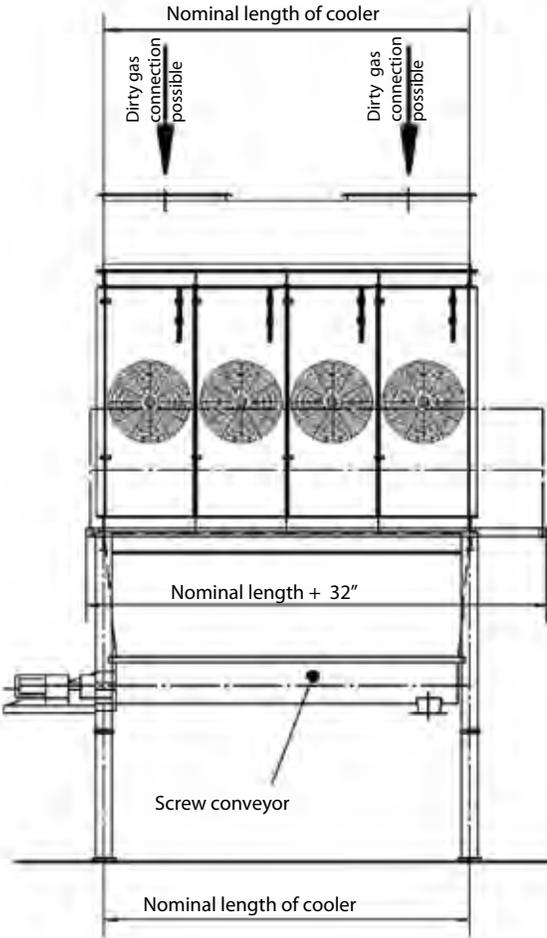
Dimension Sheet

KS & KU 520

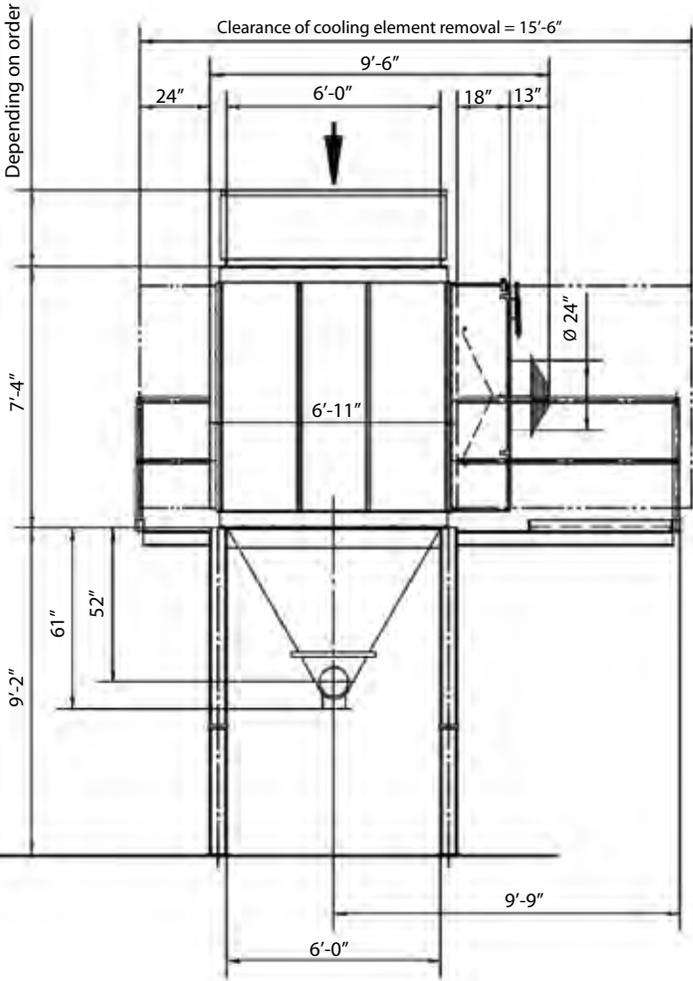
Type				Nominal length of cooler	Cooling area (ft ²)	Total weight (lbs.)
KS 520/	1/	60	/1	2'-7"	969	5181
KS 520/	2/	120	/2	5'-2"	1938	8267
KS 520/	3/	180	/3	7'-8"	2906	11354
KS 520/	4/	240	/4	10'-3"	3875	14661
KS 520/	5/	300	/5	12'-10"	4855	18078
KS 520/	6/	360	/6	15'-5"	5823	21385
KS 520/	7/	420	/7	17'-11"	6792	24802
KS 520/	8/	480	/8	20'-6"	7761	28440
KS 520/	9/	540	/9	23'-1"	8730	32187
KS 520/	10/	600	/10	25'-7"	9698	35825
KS 520/	11/	660	/11	28'-8"	10667	39463
KS 520/	12/	720	/12	31'-3"	11636	43431
KS 520/	13/	780	/13	33'-9"	12615	47510
KS 520/	14/	840	/14	36'-4"	13584	51478
KS 520/	15/	900	/15	38'-11"	14553	55446



KS & KU 520



Front View

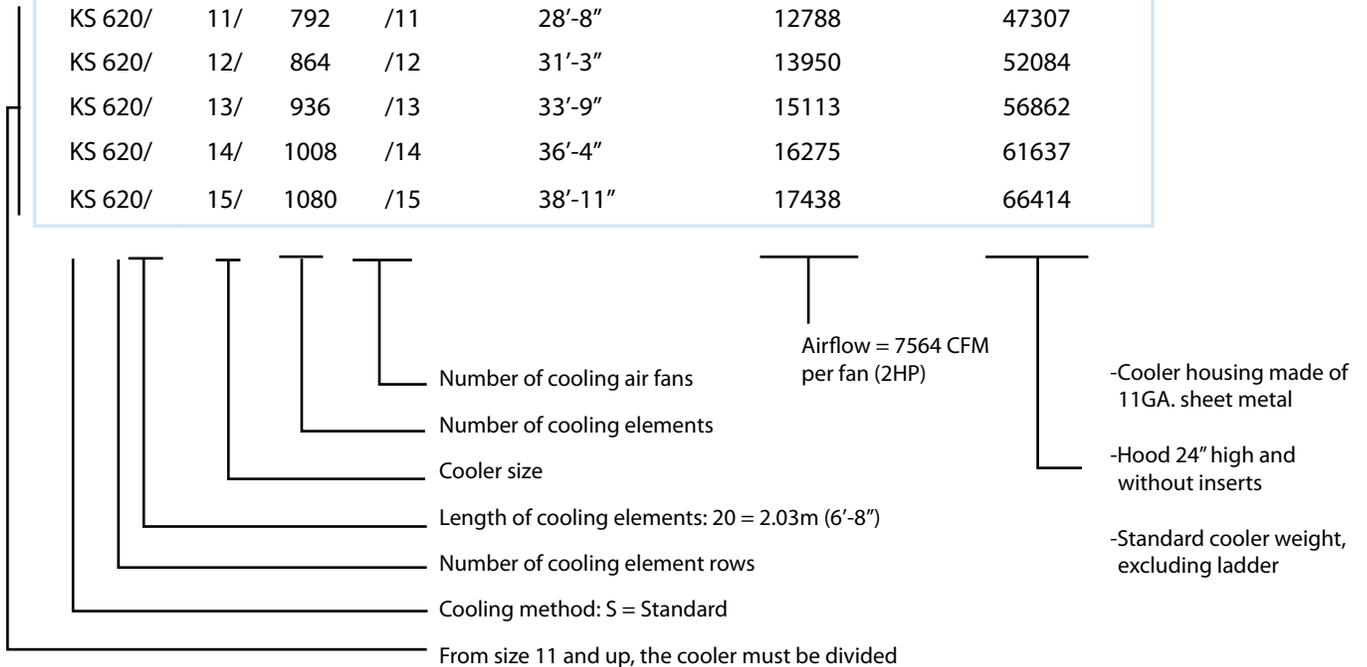


Left Side View

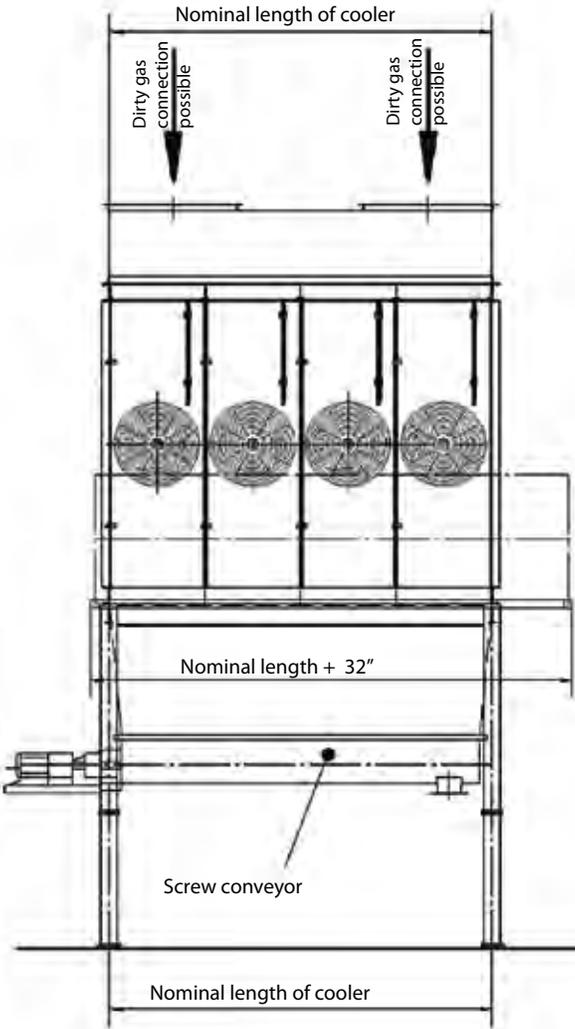
Dimension Sheet

KS & KU 620

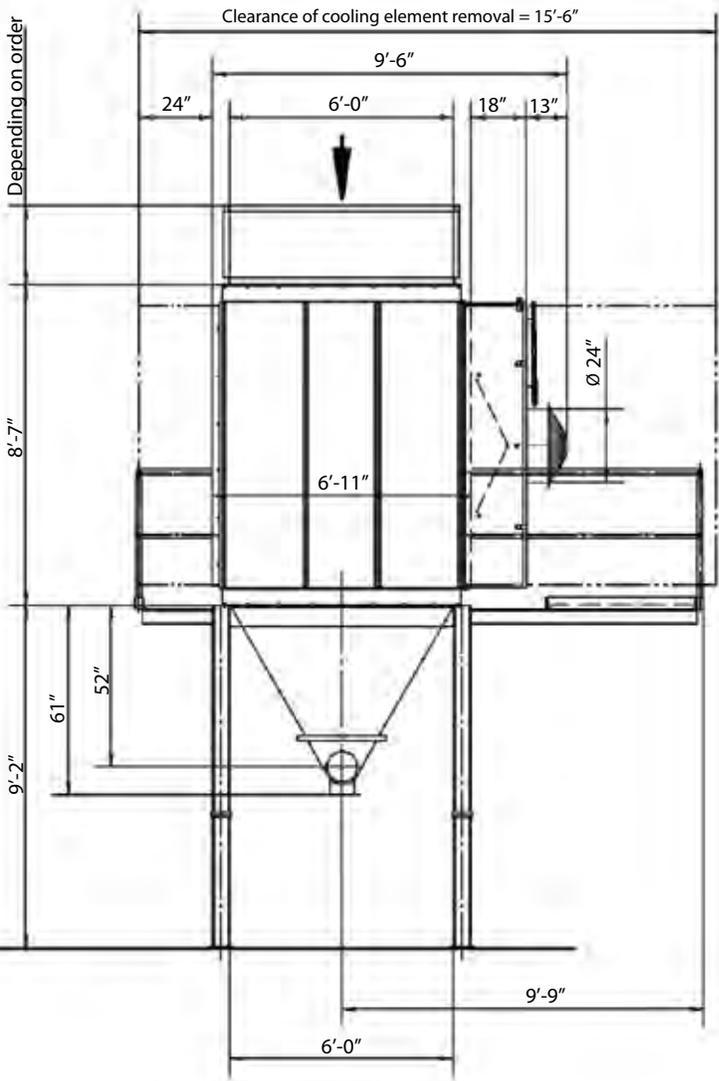
Type				Nominal length of cooler	Cooling area (ft ²)	Total weight (lbs.)
KS 620/	1/	72	/1	2'-7"	1163	6155
KS 620/	2/	144	/2	5'-2"	2325	9828
KS 620/	3/	216	/3	7'-8"	3488	13503
KS 620/	4/	288	/4	10'-3"	4650	17454
KS 620/	5/	360	/5	12'-10"	5813	21588
KS 620/	6/	432	/6	15'-5"	6975	25629
KS 620/	7/	504	/7	17'-11"	8138	29670
KS 620/	8/	576	/8	20'-6"	9300	34079
KS 620/	9/	648	/9	23'-1"	10463	38488
KS 620/	10/	720	/10	25'-7"	11625	42897
KS 620/	11/	792	/11	28'-8"	12788	47307
KS 620/	12/	864	/12	31'-3"	13950	52084
KS 620/	13/	936	/13	33'-9"	15113	56862
KS 620/	14/	1008	/14	36'-4"	16275	61637
KS 620/	15/	1080	/15	38'-11"	17438	66414



KS & KU 620



Front View

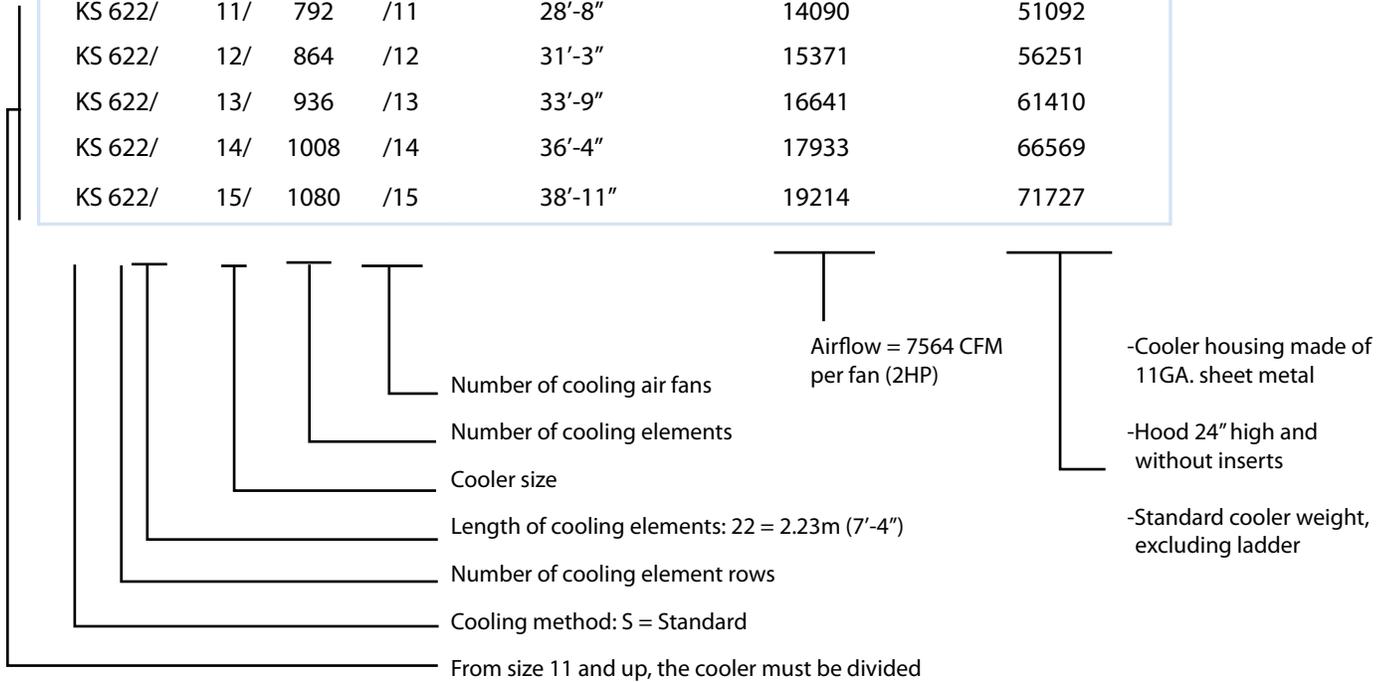


Left Side View

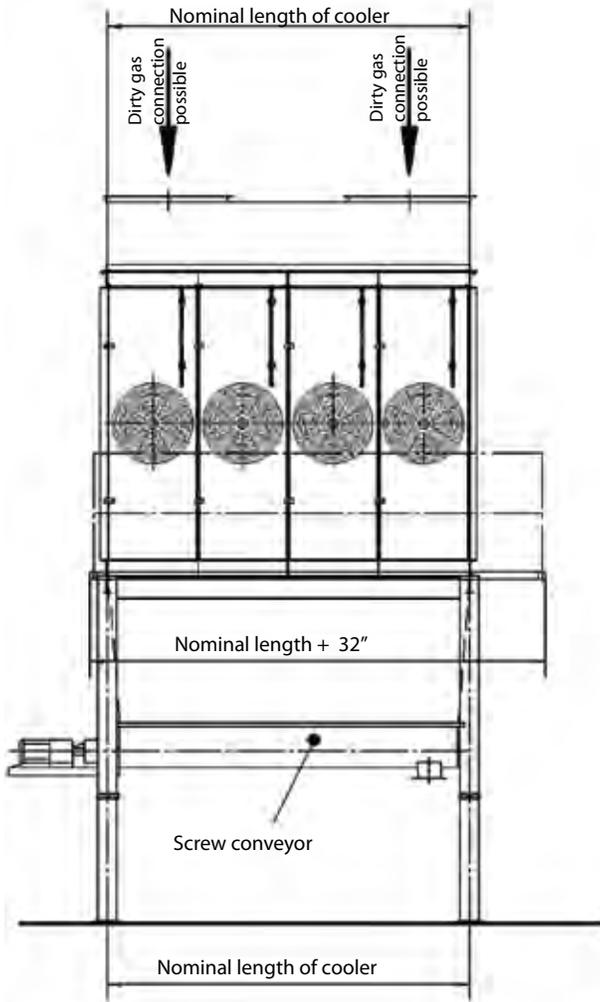
Dimension Sheet

KS & KU 622

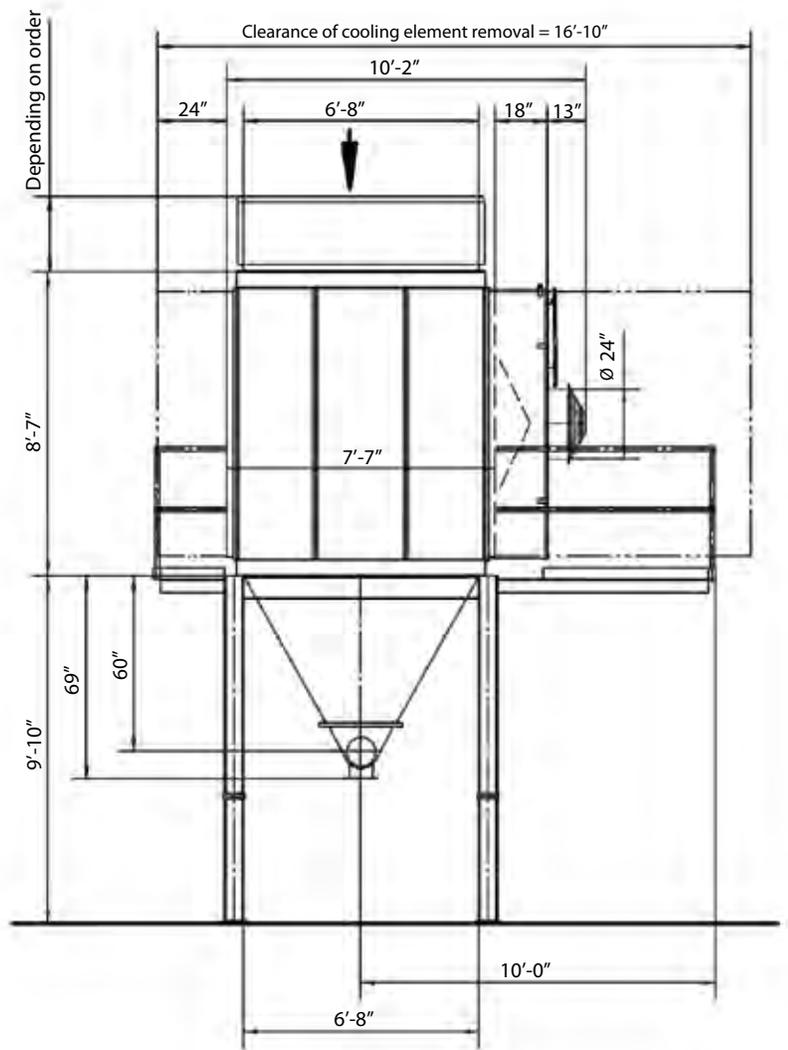
Type				Nominal length of cooler	Cooling area (ft ²)	Total weight (lbs.)
KS 622/	1/	72	/1	2'-7"	1281	6647
KS 622/	2/	144	/2	5'-2"	2562	10615
KS 622/	3/	216	/3	7'-8"	3843	14584
KS 622/	4/	288	/4	10'-3"	5124	18850
KS 622/	5/	360	/5	12'-10"	6405	23314
KS 622/	6/	432	/6	15'-5"	7685	27679
KS 622/	7/	504	/7	17'-11"	8966	32044
KS 622/	8/	576	/8	20'-6"	10247	36806
KS 622/	9/	648	/9	23'-1"	11517	41568
KS 622/	10/	720	/10	25'-7"	12809	46330
KS 622/	11/	792	/11	28'-8"	14090	51092
KS 622/	12/	864	/12	31'-3"	15371	56251
KS 622/	13/	936	/13	33'-9"	16641	61410
KS 622/	14/	1008	/14	36'-4"	17933	66569
KS 622/	15/	1080	/15	38'-11"	19214	71727



KS & KU 622



Front View

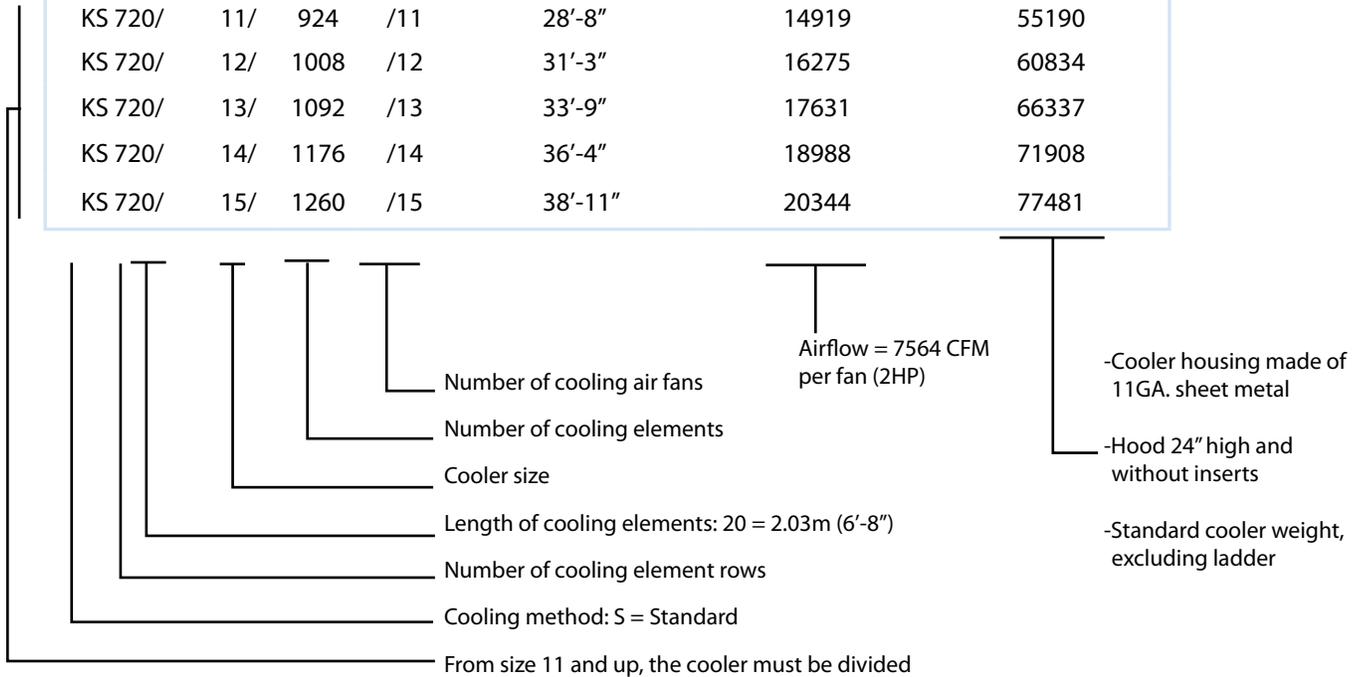


Left Side View

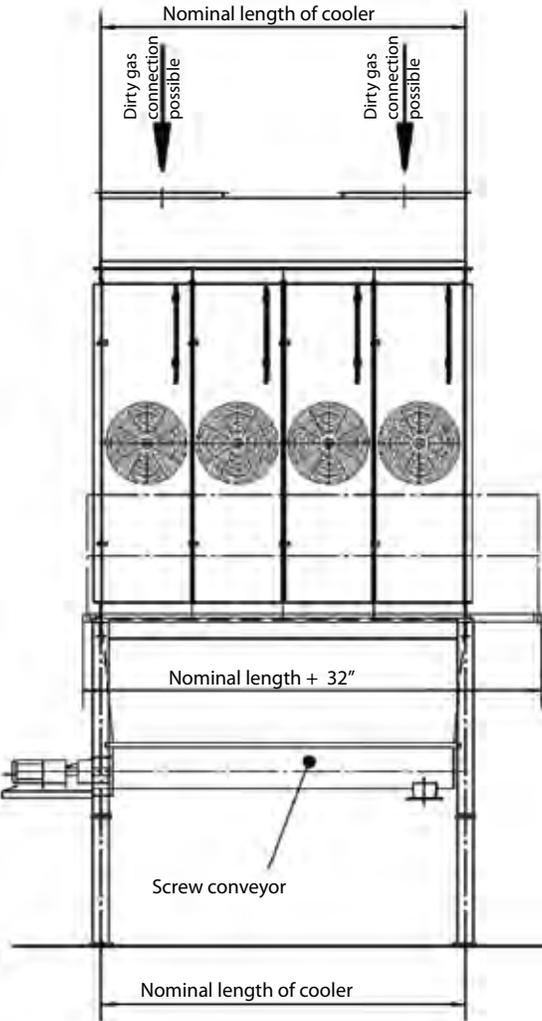
Dimension Sheet

KS & KU 720

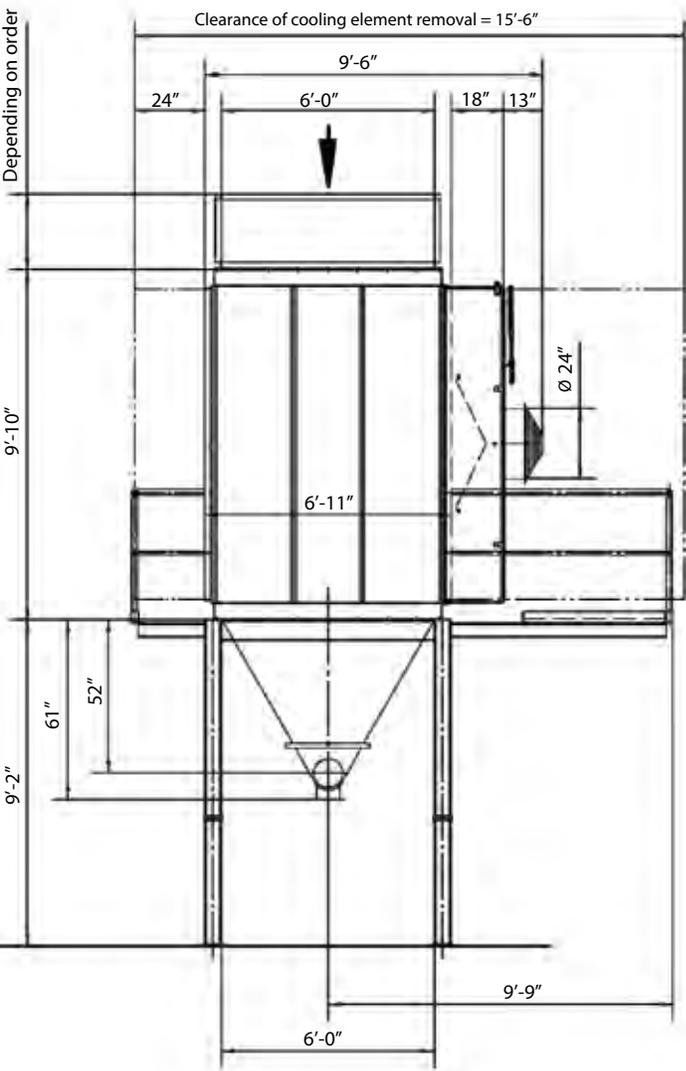
Type				Nominal length of cooler	Cooling area (ft ²)	Total weight (lbs.)
KS 720/	1/	84	/1	2'-7"	1356	7180
KS 720/	2/	168	/2	5'-2"	2713	11466
KS 720/	3/	252	/3	7'-8"	4069	15752
KS 720/	4/	336	/4	10'-3"	5425	20362
KS 720/	5/	420	/5	12'-10"	6781	25186
KS 720/	6/	504	/6	15'-5"	8138	29899
KS 720/	7/	588	/7	17'-11"	9494	34615
KS 720/	8/	672	/8	20'-6"	10850	39758
KS 720/	9/	756	/9	23'-1"	12206	44901
KS 720/	10/	840	/10	25'-7"	13563	50047
KS 720/	11/	924	/11	28'-8"	14919	55190
KS 720/	12/	1008	/12	31'-3"	16275	60834
KS 720/	13/	1092	/13	33'-9"	17631	66337
KS 720/	14/	1176	/14	36'-4"	18988	71908
KS 720/	15/	1260	/15	38'-11"	20344	77481



KS & KU 720



Front View

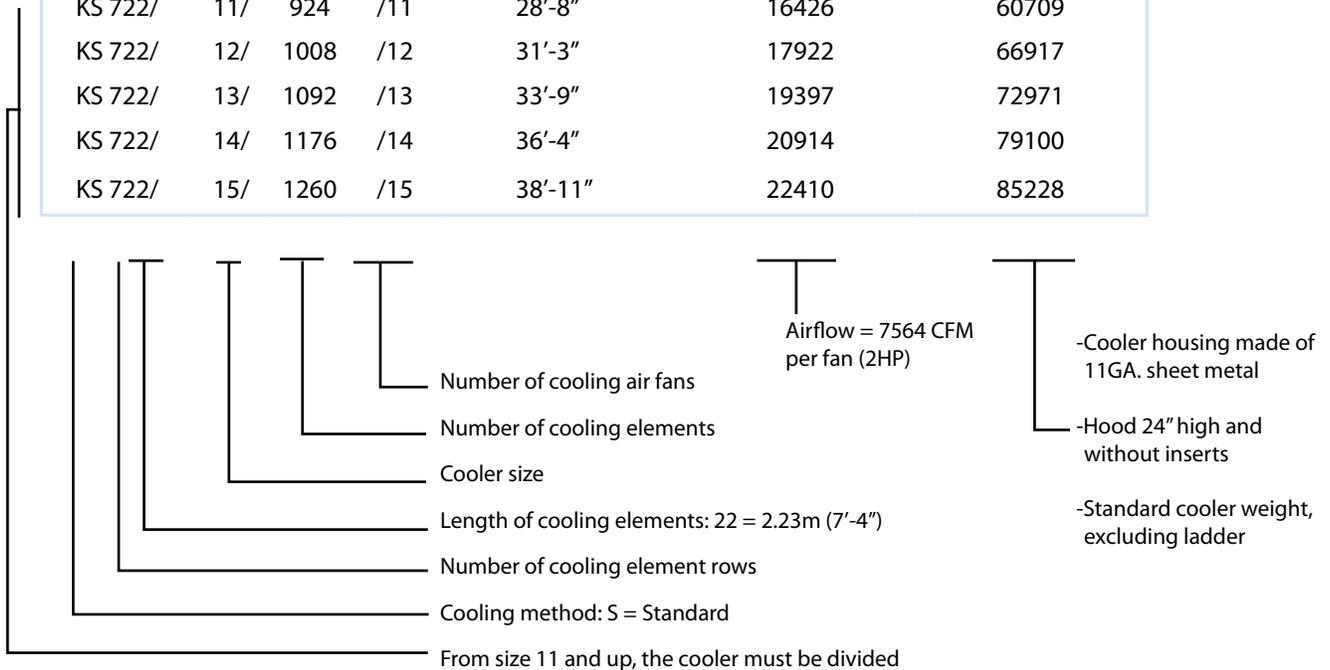


Left Side View

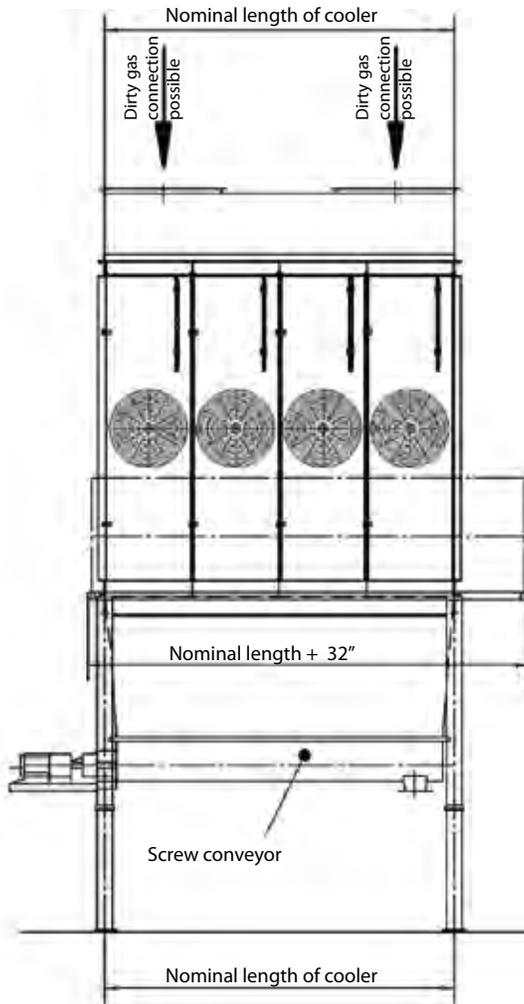
Dimension Sheet

KS & KU 722

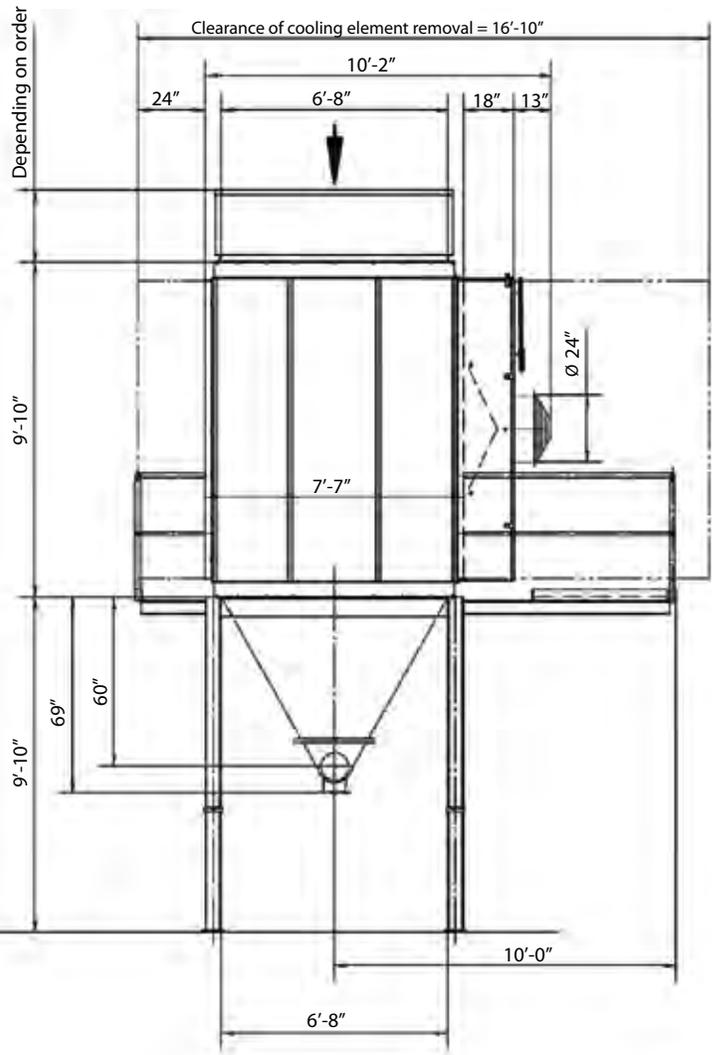
Type				Nominal length of cooler	Cooling area (ft ²)	Total weight (lbs.)
KS 722/	1/	84	/1	2'-7"	1496	7899
KS 722/	2/	168	/2	5'-2"	2982	12613
KS 722/	3/	252	/3	7'-8"	4478	17326
KS 722/	4/	336	/4	10'-3"	5963	22399
KS 722/	5/	420	/5	12'-10"	5307	27703
KS 722/	6/	504	/6	15'-5"	8977	32889
KS 722/	7/	588	/7	17'-11"	10473	38076
KS 722/	8/	672	/8	20'-6"	11948	43733
KS 722/	9/	756	/9	23'-1"	13423	49392
KS 722/	10/	840	/10	25'-7"	14940	55052
KS 722/	11/	924	/11	28'-8"	16426	60709
KS 722/	12/	1008	/12	31'-3"	17922	66917
KS 722/	13/	1092	/13	33'-9"	19397	72971
KS 722/	14/	1176	/14	36'-4"	20914	79100
KS 722/	15/	1260	/15	38'-11"	22410	85228



KS & KU 722



Front View



Left Side View

Soluzioni KOMSA per le vostre necessità di aspirazione

Vi mostriamo qui di seguito alcuni esempi di sistemi di aspirazione che fanno parte della nostra ampia gamma di prodotti.

Per maggiori informazioni potrete visitare il nostro sito internet: www.komsa.it

Bracci di aspirazione



Sistemi di aspirazione per gas di scarico veicoli



Elettroventilatori



Filtri



Filtri per impianti centralizzati



Filtri carrellati



Aspiratori industriali ad alta pressione



Arrotolatori per tubi e cavi



KOMSA

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