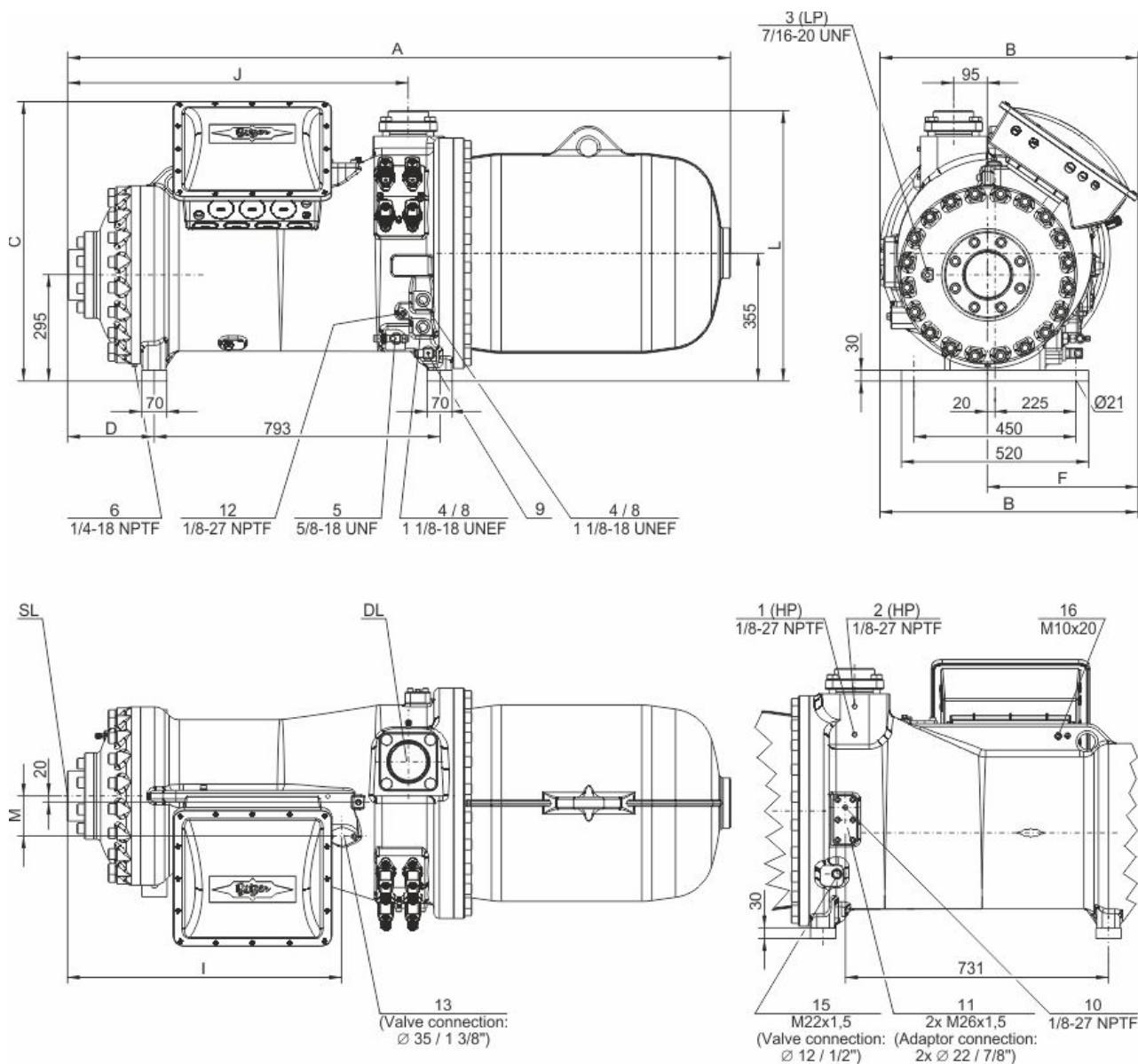




## Technical Data: CSH95113-320Y

### Dimensions and Connections



	A mm	B mm	C mm	D mm	F mm	I mm	J mm	L mm	M mm	DL mm	SL mm
CSH9553 CSH9563 CSH9573	1824	717	776	224	417	746	930	744	106	$\varnothing 76$ (3 1/8")	DN100
CSH9583-210Y CSH9593-240Y	1842	717	776	242	417	764	948	751	113	DN100	DN125
CSH9583-280(Y) CSH9593-300(Y)	1869	717	776	269	417	791	975	751	113	DN100	DN125
CSH95103-280Y	1955	731	796	269	431	791	975	758	113	DN100	DN125
CSH95103-320(Y) CSH95113-320Y	1975	731	796	289	431	810	995	758	113	DN100	DN125

Die Verwendung größerer Sauggasflansche führt zu längeren Maßen A, D, I und J.  
Using larger suction gas flanges changes the dimensions A, D, I and J.



## Technical Data

### Technical Data

Displacement (2900rpm 50 Hz)	1120 m <sup>3</sup> /h
Displacement (3500rpm 60 Hz)	1351 m <sup>3</sup> /h
Weight	1500 kg
Max. pressure (LP/HP)	19 / 28 bar
Connection suction line	DN 125
Connection discharge line	DN 100
Oil type R1234yf/R1234ze(E)/R450A/R513A/R515B	BSE170 (Standard)
Oil type R134a/R407C/R404A/R507A/R407A/R407F	BSE170 (Standard)

### Motor data

Motor version	2
Motor voltage (more on request)	380-415V D-3-50Hz
Max. operating current	447.0 A
Starting current (Rotor locked)	917.0 A Y / 2870.0 A D
Max. power input	277,0 kW

### Extent of delivery (standard)

Enclosure class	IP54
Oil heater	300 W (Standard)
Oil separator	Standard
Oil filter	Standard
Discharge gas temperature sensor	Standard
Start unloading	Standard
Capacity Control - 4-step	100-75-50-25% (Standard)
Capacity Control - infinite	100-25% (Standard)
Built-in check valve	Standard
Motor protection	SE-E1 (Standard), SE-E3(Standard for 660-690V)
Oil charge	31,0 dm <sup>3</sup>

### Available options

Oil level switch	min / max OLC-D1-S (Option)
Discharge shut-off valve	Option
Suction shut-off valve	Option
Shut-off valve for ECO with muffler	Option
Liquid injection with integrated nozzle	Option
Bridges for DOL start	Option
with sound jacket	Option
Vibration dampers	Option
Motor protection	SE-i1 (200-690V)



## Compact Screw Compressors CS

### Reference points for evaporating and condensing pressures

Connection positions 1 (HP) and 3 (LP) on the compressor (see dimensions). The pressure drop for shut-off valves and check valves has not been taken into consideration. This is the worldwide state of the art for compact screws, as in factory-produced chillers shut-off valves are often omitted and the check valve can also be arranged as an external component in the discharge line. For the sake of the international comparability of performance data, this standard has been adopted for the screw compressors of the CSH/CSW/CSVH series.

### ASERCOM certified performance data

The Association of European Refrigeration Component Manufacturers has implemented a procedure of certifying performance data. The high standard of these certifications is assured by:

- \* plausibility tests of the data performed by experts.
- \* regular measurements at independent institutes.

These high efforts result in the fact that only a limited number of compressors can be submitted. Due to this not all BITZER compressors are certified up to now. Performance data of compressors which fulfil the strict requirements may carry the label "ASERCOM certified". In this software you will find the label at the respective compressors on the right side below the field "result" or in the print out of the performance data. All certified compressors and further information are listed on the homepage of ASERCOM.