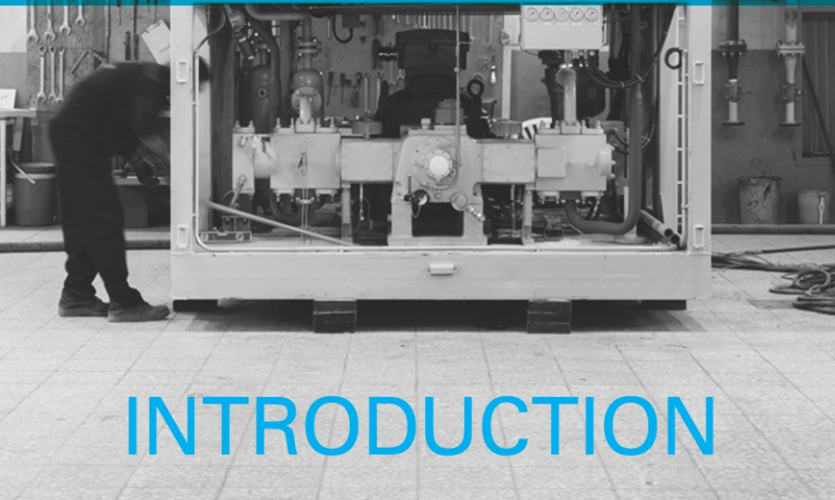




INTRODUCTION

معرفی شرکت پارس کمپرسور

- اولین تولید کننده کمپرسورهای هوای فشرده در کشور از سال ۱۳۵۴
- اولین تولید کننده انواع کمپرسورهای هوای اسکرو (Oil inject - Oil free) در کشور
- اولین شرکت با بالاترین تعداد رفرنس فروش محصولات در صنعت کمپرسور سازی کشور
- اولین شرکت دارنده تکنولوژی ساخت واحد هوا ساز تحت لیسانس شرکت Aerzen آلمان
- اولین دارنده تکنولوژی ساخت و تجهیز ایستگاه های CNG در کشور تحت لیسانس FTI کانادا
- اولین شرکت دارنده بیشترین تعداد احداث ایستگاه CNG در کشور با بیش از ۵۰۰ جایگاه
- اولین شرکت دارنده تکنولوژی صادرات گاز با روش CNG در کشور
- اولین و تنها شرکت دارنده تکنولوژی ساخت کمپرسور های مخصوص استارت هواپیما در کشور
- اولین و تنها دارنده تکنولوژی ساخت کمپرسورهای اسکرو و فرآیندی گاز جهت استفاده در صنایع نفت، گاز و پتروشیمی تحت لیسانس شرکت FTI کانادا

- The First Manufacturer of Screw Compressors in IRAN
- The First Manufacturer of Air End in IRAN
- The First Manufacturer of CNG Compressors in IRAN
- The First Manufacturer of jet Starter Compressors in IRAN
- The First Company to Export NG by CNG method in IRAN

ADSORPTION HEATLESS AIR DRYER

Model	Capacity	Air Connection	Dimension			Dessicant Weight per Tower	Total Weight
	m ³ / min	Inch	Length (mm)	Width (mm)	Height (mm)	Kg	Kg
PD-30 D	0.5	1	550	250	1080	8.5	50
PD-60 D	1	1	690	290	1490	17	70
PD-150 D	2.5	1 1/2	690	350	1600	21	105
PD-240 D	4	2	820	350	1750	38	130
PD-420 D	7	2	880	500	1770	61	180
PD-720 D	12	2 1/2	1000	500	1850	86	235
PD-840 D	14	2 1/2	1050	600	1990	106	315
PD-960 D	16	2 1/2	1050	600	2100	124	340
PD-1080 D	18	2	1050	600	2120	140	360
PD-1320 D	22	(4F)	1310	750	2195	182	505
PD-1710 D	28.5	(4F)	1310	750	2205	235	625
PD-2160 D	36	(4F)	1310	750	2225	280	640
PD-2580 D	43	(5F)	1520	830	2360	351	865
PD-3000 D	50	(5F)	1520	830	2380	413	960
PD-3600 D	60	(5F)	1870	1000	2420	570	1130
PD-4800 D	80	(5F)	1870	1000	2420	670	1230

Standard Condition
 Inlet Compressed air at 7bar and 35°C
 Ambient Tempreture at 20°C
 Outlet Pressure Dew Point -20°C ~ -40°C



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فرمول محاسبه درایر جذبی

Multiplier for different inlet pressures in bar (g) (IP1)

bar (g)	4	5	6	7	8	9	10	11	12	13	14	15	16
Multiplier (IP1)	0.61	0.75	0.9	1	1.12	1.25	1.37	For a selection consult your distributor					

Multiplier for different inlet temperatures in °C (IT1)

+5	+30	+35	+40	+45	+50
1.00	1.00	1.00	0.92	0.77	0.6

Example

Air volume (V1) at dryer inlet :	900 m3/h
Inlet pressure (IP1) :	10 bar (g)
Inlet temperature (IT1) :	+40 °C
V2:	Required dryer capacity, corrected for 35 °C ,7bar (g)

Calculation

$$V2: \frac{V1}{IP1 \times IT1} = \frac{900}{1.37 \times 0.60} = 1095 \text{ m3/h}$$

شرایط استاندارد

- دمای هوای ورودی ۳۵ درجه سانتیگراد با فشار ۷ بار
- دمای هوای محیط ۲۰ درجه سانتیگراد
- دمای نقطه شبنم خروجی ۲۰- درجه سانتیگراد تا ۴۰- درجه سانتیگراد

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AIR FILTER ENGINEERING

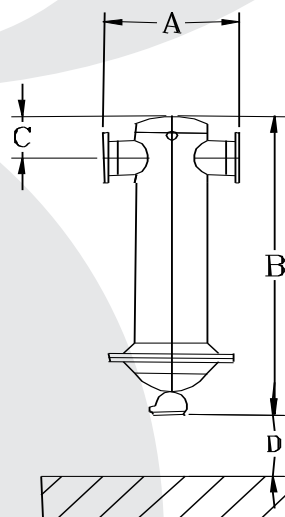
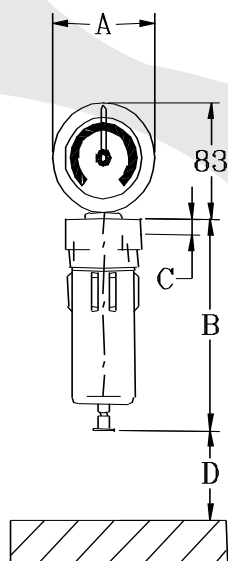
Capacity	Air Connection	Dimension				Weight
m ³ / min	in	A (mm)	B (mm)	C (mm)	D (mm)	(Kg)
0.6	G1/2	87	175	21	60	1.3
0.9	G1/2	87	209	21	75	1.4
1.3	G1/2	87	209	21	90	1.4
1.9	G1/2	87	279	21	90	1.7
3.3	G1	130	315	43	135	4.2
5.7	G1 1/2	130	415	43	235	4.8
9	G1 1/2	130	515	43	335	5.6
13.3	G1 1/2	130	715	43	525	8.4
17.4	G2	164	823	48	520	11.4
26.1	G2 1/2	164	1073	48	770	13
37.5	G3	250	1052	74	610	20
46.6	G3	250	1202	74	760	27.5
26.1	DN80	380	1260	170	530	54
37.5	DN80	440	1310	200	530	80
46.6	DN80	440	1310	200	530	80
52.3	DN100	500	1440	230	550	108
78.4	DN100	500	1440	230	550	110
104.7	DN150	640	1590	280	550	151
156.9	DN150	790	1660	300	550	212
209.2	DN200	790	1745	340	550	232
261.6	DN200	840	1780	360	550	357
313.9	DN250	940	1930	420	600	455
418.6	DN250	940	1930	420	600	462
523.3	DN300	940	1960	450	600	528

Standard condition (20°C, 1bar)



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Filter Grade	Particle Removal Down to	Oil Removal Down to	Nominal Initial Pressure Drop
	Micron (μ)	mg/m ³	bar g
Pre	3	-----	0.03
Dust	1	0.5	0.05
Micro	0.01	0.01	0.09
After	-----	0.003	0.10



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SINGLE STAGE OIL FREE

VM Series

Model	Power	Pressure	Free Air Delivery	Dimensions			Weight
	KW	bar	$\frac{m^3}{min}$	L (mm)	W (mm)	H (mm)	Kg
VM 10	18.5 ~ 75	2 ~ 3.5	2.9 ~ 9.7	2600	1150	1773	1500
VM 20	37 ~ 115	2 ~ 3.5	6.6 ~ 20.8	2600	1150	1773	1650
VM 30	55 ~ 160	2 ~ 3.5	10.9 ~ 31.7	2800	1150	1773	1690
VM 45	75 ~ 250	2 ~ 3.5	16.1 ~ 46.1	3300	1650	2000	2820
VM 75	110 ~ 335	2 ~ 3.5	26 ~ 75	4000	1775	2310	4020
VM 85	132 ~ 400	2 ~ 3.5	26 ~ 84	4000	1775	2310	6000
VM 140	200 ~ 630	2 ~ 3.5	38.7 ~ 143.1	4350	2000	2650	8500

VML Series

Model	Power	Pressure	Free Air Delivery	Dimensions			Weight
	KW	bar	$\frac{m^3}{min}$	L (mm)	W (mm)	H (mm)	Kg
VML 18	11 ~ 55	0.75 ~ 2	4.6 ~ 17	1500	1250	1570	780
VML 35	30 ~ 132	0.75 ~ 3	12.3 ~ 36.3	2800	1150	1773	1670
VML 60	45 ~ 200	0.75 ~ 4	21.5 ~ 62.3	3100	1650	2000	2790
VML 95	75 ~ 315	0.75 ~ 5	34.8 ~ 97.8	3750	1775	2310	4000
VML 150	110 ~ 500	0.75 ~ 6	52.5 ~ 147.8	5150	2300	2500	5500
VML 250	160 ~ 710	0.75 ~ 7	88.6 ~ 243.3	5500	2600	3000	7800



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DOUBLE STAGE OIL FREE SCREW COMPRESSOR

Model	Power	Pressure	Free Air Delivery		Water Cooled			
	KW / HP	bar	m ³ / min	cfm	Dimensions			Weight
					L (mm)	W (mm)	H (mm)	Kg
PCF 60	45 / 60	7	6.67	235.43	2500	1350	2110	2500
		10	5.16	182.22				
PCF 75	55 / 75	7	8.28	292.22	2500	1350	2110	2600
		10	8.77	238.22				
PCF 100	75 / 100	7	11.52	406.7	2500	1350	2110	2700
		10	10	353.14				
PCF 125	90 / 125	7	13.17	464.97	2500	1350	2110	2760
		10	12.08	426.71				
PCF 150	110 / 150	7	16.67	588.57	2500	1350	2110	3100
		10	15.66	553.02				
PCF 180	132 / 180	7	21.67	765.14	2501	1350	2110	3250
		10	18.33	647.42				

Performance data based on the intake of air 1bar , 20 °C

PORTABLE (AIRMAN)

Compressor					Engine				Dimension Weight					
Model	Type	Pressure	Free Air Delivery		Air Outlet	Type	Power	No. of Cylinder	Fuel Oil	Dimension			Total Weight	Tyre Size
		bar	m ³ /min	cfm	DN / Pcs		KW rpm		Lit	L (mm)	W (mm)	H (mm)	Kg	

HIGH PRESSURE

PDS390S	Single Stage	10.5	8.9	314.29	50 / 1 20 / 4	4 cycle	110 2400	6	182 13	3810	1800	1780	2040	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDSF530S	Single Stage	10.7	15.0	529.71	50 / 1 20 / 2	4 cycle	118 2500	6	270 23	3650	1685	2070	3230	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type								
PDSF830S	Single Stage	10.5	23.5	829.88	50 / 2 20 / 1	4 cycle	206 2200	6	400 45	4000	1900	2130	4400	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDSG460S	Single Stage	13	12.5	441.43	50 / 1 20 / 2 10 / 1	4 cycle	223 2000	6	270 23	4000	1900	2130	4400	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDSG750S	Single Stage	13	21.2	748.66	50 / 1 20 / 2	4 cycle	223 2000	6	400 45	4000	1900	2130	4400	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDSF920S PDSG820S	Single Stage	13	36.0	1271.30	50 / 1 20 / 1	4 cycle	324/320 (238/235) 2200/2200	6	555 49	4350	2000	2445	5300	7.50-16 10PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Turbo charger with after cooler								
PDSG1300S	Single Stage	13	36.0	1271.30	80 / 1	4 cycle	364 1800	6	700 80	4650	1870	2050	8000	
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Turbo charger with after cooler								
PDSH850S	Single Stage	17.5	24.0	847.54	50 / 1 20 / 1	4 cycle	310 2000	6	555 49	4350	1900	2350	5650	7.50-16 10PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Turbo charger with after cooler								
PDSJ750S	Two Stage	21.1	21.2	748.66	50 / 1 20 / 1	4 cycle	228 2000	6	555 49	4300	1900	2230	5350	7.50-16 10PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Turbo charger with after cooler								
PDSK900S	Two Stage	24.6	25.5	900.51	50 / 1 20 / 1	4 cycle	327.3 1800	6	610 85	4670	2100	2315	6950	
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Turbo charger with after cooler								



Compressor					Engine				Dimension Weight					
Model	Type	Pressure	Free Air Delivery		Air Outlet	Type	Power	No. of Cylinder	Fuel Oil	Dimension			Total Weight	Tyre Size
		bar	3 m / min	cfm	DN / Pcs		KW rom		Lit	L (mm)	W (mm)	H (mm)	Kg	

PDS130S	Single Stage	7.1	3.5	123.60	20 / 2	4 cycle	28 3300	3	70 6	2470	1510	1360	830	5-10 6PR*2W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type								
PDS185S	Single Stage	7.1	5.0	176.57	20 / 3	4 cycle	37.9 3000	4	95 10	2740	1510	1360	915	175R13 8PR*2W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type								
PDS265S	Single Stage	7.1	7.5	264.86	20 / 3 50 / 1	4 cycle	62 2600	4	114 10	3020	1600	1615	1410	650-14 8PR*2W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDS390S	Single Stage	7.1	11.0	388.45	20 / 4	4 cycle	80.9 2400	4	180 13	3810	1800	1780	2040	650-14 8PR*2W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDS655S	Single Stage	7.1	18.5	653.31	50 / 1 20 / 2	4 cycle	118 2500	6	270 23	3650	1685	2070	3225	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type								
PDS750S	Single Stage	7.1	21.2	748.66	50 / 1 20 / 2	4 cycle	144.5 2100	6	310 23	3650	1685	2070	3335	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								
PDSE900S	Single Stage	8.8	25.0	882.85	50 / 2 20 / 1	4 cycle	280 2200	6	400 45	4000	1900	2150	4600	650-14 8PR*4W
	Oil Cooled					Water Cooled								
	Rotary Twin Screw					Direct Injection Type Turbo								

AIR REFRIGERANT DRYER

Capacity	Air Connection	Dimension			Total Weight
m ³ / min	Inch	Length (mm)	Width (mm)	Height (mm)	Kg
0.5	3/8	320	320	381	19
1	3/4	394	368	568	28
1.3	3/4	394	368	568	30
1.6	3/4	500	500	568	41
2.5	3/4	483	500	510	42
3	1	330	735	525	46
4.2	1	330	735	525	51
4.9	1	330	735	525	55
6.7	1 1/2	410	905	718	73
8.3	1 1/2	410	905	718	86
10.4	1 1/2	490	953	760	86
13.3	2	490	953	760	95
16.7	2	590	1052	801	109
20	2	590	1052	801	125
25	DN80	1232	1033	2115	480
30	DN80	1232	1033	2115	520
37.5	DN100	1243	1301	2116	690
45	DN100	1243	1301	2116	690
52.5	DN150	1400	1500	2112	880
60	DN150	1400	1500	2112	880
75	DN150	1400	1500	2112	1050
90	DN150	1400	1500	2112	1200

The Capacity of the Dryer is Based on the intake volume of the air compressor at 20°C 1bar



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POSITIVE DISPLACMENT BLOWER

Power	Differential Pressure	Free Air Delivery	Dimension			Outlet	Weight
min-max KW	mbar	³ m / min	L (mm)	W (mm)	H (mm)	DN / Inch	Kg
1.5 - 7.5	300 - 900	0.55 - 4.12	960	650	920	50 / 2	180
1.5 - 15	300 - 1000	0.77 - 5.70	960	800	980	50 / 2	220
1.5 - 15	300 - 1000	0.77 - 5.70	960	800	980	80 / 3	220
2.2 - 15	300 - 700	1.22 - 8.21	1000	800	1000	80 / 3	225
3 - 30	300 - 1000	2.08 - 9.94	980	800	1130	80 / 3	260
11 - 30	300 - 1000	10.1 - 11.6	1130	1080	1200	100 / 4	260
4 - 30	300 - 700	3.7 - 17.3	1150	1080	1350	100 / 4	360
5.5 - 55	300 - 1000	5.06 - 24.2	1150	1080	1400	100 / 4	415
5.5 - 55	300 - 1000	5.06 - 24.2	1150	1080	1400	125 / 5	415
7.5 - 75	300 - 700	7.36 - 34.7	1350	1230	1530	150 / 6	550
11 - 90	300 - 1000	11.8 - 40.3	1160	1230	1580	150 / 6	725
15 - 75	300 - 700	17.9 - 43.5	1350	1230	1670	150 / 6	715
37 - 90	300 - 700	47.9 - 55.1	1320	1420	1650	200 / 8	890
15 - 132	300 - 1000	16.7 - 59.0	1470	1420	1640	200 / 8	1050
18.5 - 160	300 - 700	19.1 - 83.9	1450	1470	1820	200 / 8	1261
18.5 - 160	300 - 700	19.1 - 83.10	1450	1470	1820	250 / 10	1261
30 - 200	300 - 1000	29 - 90.3	1750	1470	1950	251 / 10	2240
31 - 200	300 - 1000	29 - 90.3	1750	1470	1950	300 / 12	2240
37 - 200	300 - 700	43.4 - 134	1780	2050	2545	300 / 12	2041
55 - 355	300 - 1000	68.4 - 152	1880	2050	2740	300 / 12	2296
75 - 355	300 - 700	96.8 - 227	2120	2435	3310	400 / 16	3202
90 - 500	300 - 1000	100 - 246	2300	2453	3310	400 / 16	3742

Performance data based on the intake of air 1bar , 20°C

STATIONARY OIL INJECTED SCREW COMPRESSOR (BELT DRIVE)

Model	Power	Pressure	Free Air Delivery		Dimension			Weight
	KW / HP	bar	m ³ / min	cfm	L (mm)	W (mm)	H (mm)	Kg
PC 75	55 / 75	7	9.2	327.71	2000	1400	1590	1640
		8	8.9	314.65				
		10	7.8	276.86				
		13	6.4	226.36				
		15	5.7	201.29				
PC 100	75 / 100	7	12.5	442.48	2000	1400	1590	1730
		8	11.8	417.76				
		10	10.4	368.33				
		13	8.9	317.47				
		15	8.1	288.52				
PC 125	90 / 125	7	14.8	522.65	2300	1600	1980	2000
		8	13.7	486.63				
		10	12.3	437.19				
		13	10.9	385.98				
		15	9.2	325.60				
PC 150	110 / 150	7	17.7	625.76	2301	1601	1981	2350
		8	16.3	578.09				
		10	14.6	517.35				
		13	12.8	454.49				
		15	12.1	428.36				
PC 180	132 / 180	7	22.4	792.45	2200	1840	2160	3300
		8	21.2	748.66				
		10	18.6	660.02				
		13	15.4	545.60				
		15	14.8	525.12				
PC 220	160 / 220	7	26.6	940.06	2200	1840	2160	3400
		8	25.4	900.15				
		10	22.1	781.15				
		13	18.5	655.07				
		15	17.9	632.47				



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STATIONARY OIL INJECTED SCREW COMPRESSOR (BELT DRIVE)

Model	Power	Pressure	Free Air Delivery		Dimension			Weight
	KW / HP	bar	m ³ / min	cfm	L (mm)	W (mm)	H (mm)	Kg
PC 20	15 / 20	7	2.5	89.70	1100	980	1060	400
		8	2.2	80.16				
		10	1.7	61.09				
		13	1.0	37.43				
		15	0.8	30.72				
PC 25	18.5 / 25	7	3.1	111.95	1100	980	1060	410
		8	2.9	102.41				
		10	2.4	87.58				
		13	1.6	59.33				
		15	1.2	45.56				
PC 30	22 / 30	7	3.8	134.19	1100	980	1060	420
		8	3.5	124.66				
		10	2.9	105.24				
		13	2.3	81.22				
		15	1.7	60.03				
PC 40	30 / 40	7	4.9	174.45	1460	1000	1360	720
		8	4.5	159.97				
		10	3.9	140.55				
		13	3.2	116.18				
		15	2.9	103.82				
PC 50	37 / 50	7	5.8	205.53	1460	1000	1360	760
		8	5.4	191.40				
		10	4.7	168.09				
		13	4.0	142.67				
		15	3.6	128.19				
PC 60	45 / 60	7	6.5	232.37	1460	1000	1360	810
		8	6.3	222.48				
		10	5.4	193.87				
		13	4.6	164.56				
		15	4.1	144.79				

Standard condition (20°C, 1bar)

STATIONARY OIL INJECTED SCREW COMPRESSOR (DIRECT DRIVE)

Model	Power	Pressure	Free Air Delivery		Dimension			Weight
	KW / HP	bar	m ³ / min	cfm	L (mm)	W (mm)	H (mm)	Kg
Pc15	11 / 15	7	1.2	44.85	1460	1000	1360	380
Pc20	15 / 20	7	2.2	79.46	1460	1000	1360	400
		10	1.2	43.44				
		13	1.1	42.02				
Pc25	18.5 / 25	7	2.7	98.53	1100	980	1060	410
		10	2.5	88.29	2200	1300	1630	
		13	1.1	42.02	1460	1000	1360	410
Pc30	22 / 30	10	2.7	96.41	1460	1000	1360	420
		13	2.4	87.23	2200	1300	1630	440
Pc40	30 / 40	10	2.7	96.41	1460	1000	1360	720
		13	2.6	94.64				
Pc50	37 / 50	7	5.5	194.23	1460	1000	1360	760
		10	5.4	191.76				
Pc60	45 / 60	13	5.3	189.28	1460	1000	1360	810
Pc100	75 / 100	7	11.2	396.58	2200	1600	2000	1730
		10	10.2	361.62	2970	1840	2100	1730
Pc125	90 / 125	10	11.0	391.28	2200	1600	2000	2000
		13	10.9	385.98				
Pc180	132 / 180	7	22.4	792.45	2970	1840	2100	3300
Pc220	160 / 220	10	22.1	781.15	3500	2400	2100	3400
Pc270	200 / 270	7	44.2	1564.06	2200	1840	2160	3700
		13	21.8	769.85	2970	1840	2100	3700
Pc340	250 / 340	7	44.2	1564.06	2200	1840	2160	4000
Pc420	315 / 420	10	43.6	1541.46	3500	2400	2100	4000
Pc480	355 / 480	13	43.0	1519.21	3500	2400	2100	4000

Performance data based on the intake of air 1bar, 20 °C



PARS
COMPRESSOR
پارس کمپرسور

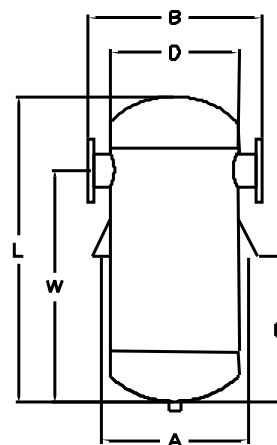
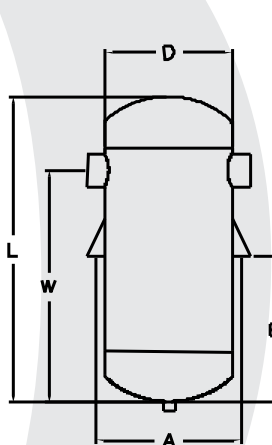
WATER TRAP

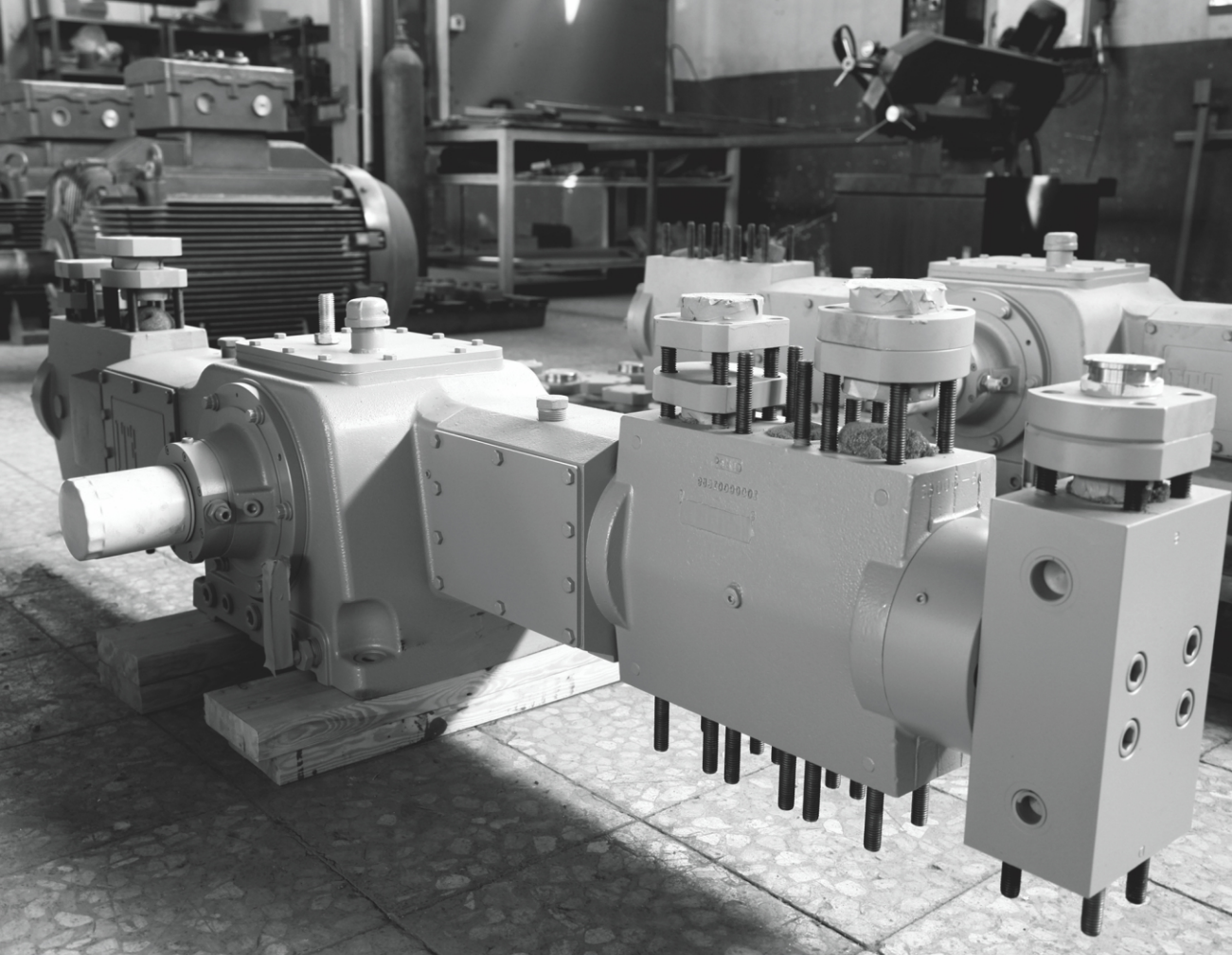
Model	Capacity	Inlet/Outlet Connection	Drain Connection	Dimension						Total Weight
	m ³ / min	Inch	Inch	L (mm)	W (mm)	D (mm)	A (mm)	E (mm)	B (mm)	Kg
CS-5	5	1 1/4	1/2	460	350	168	-----	-----	-----	14
CS-10	10	2	1/2	600	453	219	-----	-----	-----	32
CS-20	20	3	1/2	740	545	273	345	260	500	60
CS-50	50	4	1/2	800	570	324	395	290	530	70
CS-80	80	6	1/2	840	570	356	420	305	570	115
CS-130	130	6	1/2	1080	810	406	470	365	633	125

Design and Test Standard :

ASME Sec8, Div.1

Design data : P= 13 Bar & T= 85°C





OLD BUT GOLD



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