



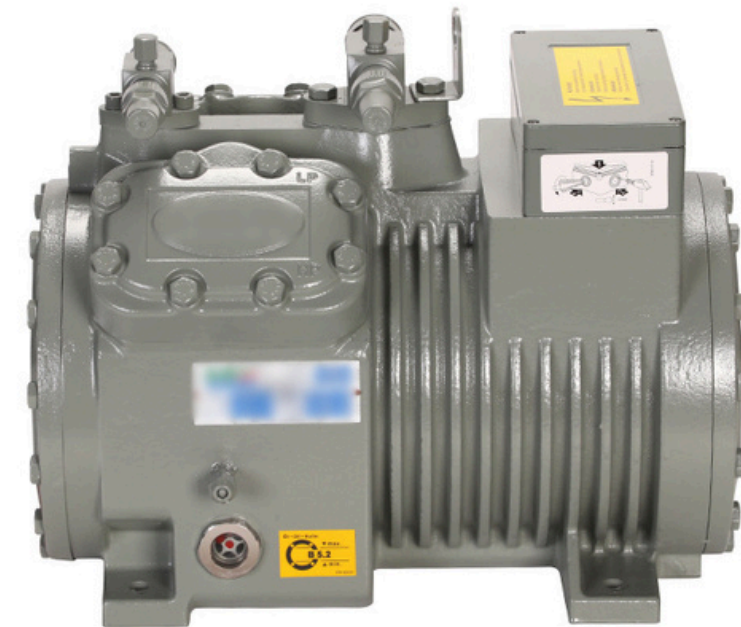
DMZL Reciprocating compressor 活塞式制冷压缩机

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1 产品描述 Product Description

2 型号标识 Nomenclature

3 技术参数 technical data



产品描述 PRODUCT DESCRIPTION

The compressors of Daming suit different working condition and refrigerants, try to maximally satisfy your requirements for the refrigeration system.

- Developed technology, compact dimension
Small volume and space
- High precision machining to ensure the compressor confirm with the standard CNC processing center
Concentricity due to specific processing technology
minimal dead space
- Steady operation, small vibration and low noise
Excellent stability
- Refrigerant like R22 and R404 are adopted to protect the environment
For mid & low temperature application
- For mid & low temperature application
PTC sensor
- Wear resistant diver gear
Chrome plated piston rings and aluminium pistons
Hardened crank-shaft
Less friction
- Efficient valve plate design, high refrigerating capacity and low energy consumption
Efficient compression rate
Valve reed made of imported impact resistant spring steel
- General spare parts, convenient for maintenance.

型号标识 NOMENCLATURE

BFS31—BFS151

BF 半封闭
Semi-hermetic

S 型号
Model

3 匹数
Horse-power

1 设计系列编号
Series code

2YD-2.2—6WG-50.2

2/4/6 缸数
Cylinders

Y/W 指机型
Type

D/G D指低温, G指中高温
D for low condensing temperature,
G for mid & high condensing temperature

2 匹数
Horse-power

2 设计系列编号
Series code

4S151D—6S501G

4/6 缸数
Cylinders

S 型号
Model

15 匹数
Horse-power

1 设计系列编号
Series code

D/G D指低温, G指中高温
D for low condensing temperature,
G for mid & high condensing temperature

6WDS-20.2—6WDS-30.2

6 缸数
Cylinders

W 指机型
Type

DS 双级压缩
Double Stage

20 匹数
Horse-power

2 设计系列编号
Series code

技术参数 TECHNICAL DATA

Compressor Model	Nominal Motor Power Hp/kW	Displacement m ³ /h 50/60Hz	Number Of Cylinder x Diameter x Stroke mm	Suction, Discharge line (mm)		Oil Volume (L)	Power Supply Vφ/Hz	Electrical Parameter		Crankcase Heater (220V) (W)	Oil Supply Method	Weight (kg)
				DL Discharge Valve	SL Suction Valve			Max Operating Current (A)	Starting Locked Current (A)			
BFS31	3/2.2	12.2/14.6	2 × φ47.6 × 39.2	φ16	φ19.05	1.25	380-420/3/50 440-480/3/60	5.2	24/26	60	Splashing lubrication	62
BFS41	4/3.0	14.7/17.8	2 × φ54 × 37	φ19.05	φ25.4	1.85		7.6	38/44	60		85
BFS51	5/3.7	18.4/22.1	2 × φ54 × 46	φ19.05	φ25.4	1.85		7.6	38/44	60		87
BFS81	8/5.5	26.6/32.1	2 × 64 × 48	φ25.4	φ31.75	3.5		15	74/81	120		133
BFS101	10/7.5	36/43.2	2 × 64 × 64	φ25.4	φ31.75	3.5		15.6	93/103	120		137
BFS151	15/10.5	54/64.8	3 × 64 × 64	φ28	φ38.1	4.8		22.3	133/150	180		172
4S151D	15/10.5	73.6/88.8	4 × φ70 × 55	φ28	φ42	4		31	81/132	140	183	Force-d-lubrication
4S251G	25/18.5	73.6/88.8	4 × φ70 × 55	φ28	φ54	4.5		45	116/193	140	203	
4S201D	20/15	84.5/101.9	4 × φ75 × 55	φ28	φ54	4.5		37	97/158	140	192	
4S301G	30/22	84.5/101.9	4 × φ75 × 55	φ28	φ54	4.5		53	135/220	140	206	
6S251D	25/18.5	110.5/133.4	6 × φ70 × 55	φ35	φ54	4.75		45	116/193	140	224	
6S351G	35/25.5	110.5/133.4	6 × φ70 × 55	φ35	φ54	4.75		61	147/262	140	235	
6S321D	30/22	126.8/153.0	6 × φ75 × 55	φ35	φ54	4.75		53	135/220	140	228	
6S401G	40/30	126.8/153.0	6 × φ75 × 55	φ35	φ54	4.75		78	180/323	140	238	
6S401D	40/30	151.6/183.0	6 × 82 × 55	φ42	φ54	4.75		78	180/323	140	239	
6S501G	50/37	151.6/183.0	6 × φ82 × 55	φ42	φ54	4.75	92	226/404	140	241		

Compressor Model	Nominal Motor Power Hp/kW	Displacement m ³ /h 50/60Hz	Number Of Cylinder x Diameter x Stroke mm	Suction, Discharge line (mm)		Oil Volume (L)	Power Supply Vφ/Hz	Electrical Parameter		Crankcase Heater (220V) (W)	Oil Supply Method	Weight (kg)
				DL Discharge Valve	SL Suction Valve			Max Operating Current (A)	Starting Locked Current (A)			
2YD-2.2	2/1.5	13.4/16.2	2 × φ50 × 39.3	φ16	φ22	1.5	220-240Δ/380-420Y/3150 265-290Δ/440-480Y/3/60	11.9/6.9	53.7/30.7	120	Centrifugal lubrication	67.5
2YG-3.2	3/2.2	13.4/16.2	2 × φ50 × 39.3	φ16	φ22	1.5		13.5/7.8	64/37	120		70.5
2YD-3.2	3/2.2	16.2/19.6	2 × φ55 × 39.3	φ16	φ22	1.5		14.8/8.5	64/37	120		70
2YG-4.2	4/3.0	16.2/19.6	2 × 55 × 39.3	φ16	φ22	1.5		16.4/9.4	76.6/44.2	120		70
4YD-3.2	3/2.2	18,121.80	4 × φ41 × 39.3	φ16	φ22	2		15.9/9.2	76.6/44.2	120		82
4YG-5.2	5/3.7	18.1/21.8	4 × φ41 × 39.3	φ16	φ22	2		18.7/10.8	107.7/62.2	120		86
4YD-4.2	4/3.0	22.7/27.4	4 × φ46 × 39.3	φ22	φ28	2		18.5/10.7	92.7/53.2	120		84
4YG-6.2	6/4.4	22.7/27.4	4 × φ46 × 39.3	φ22	φ28	2		22.9/13.2	107.7/62.2	120		86
4YD-5.2	5/3.7	26.8/32.4	4 × φ50 × 39.3	φ22	φ28	2		23.4/13.5	107.7/62.2	120		85.5
4YG-7.2	7/5.1	26.8/32.4	4 × φ50 × 39.3	φ22	φ28	2		27.5/15.9	142.8/82.4	120		88.5
4YD-6.2	6/4.4	32.5/39.2	4 × φ55 × 39.3	φ22	φ28	2		27.5/15.9	142.8/82.4	120		90.5
4YG-9.2	9/6.6	32.5/39.2	4 × φ55 × 39.3	φ22	φ28	2		34.5/20	142.8/82.4	120		90.5
4YD-7.2	7/5.1	34.7/41.9	4 × φ55 × 42	φ22	φ28	2.6		14	39/68	140		129
4YG-10.2	10/7.5	34.7/41.9	4 × φ55 × 42	φ22	φ28	2.6		21	59/99	140		139
4YD-8.2	8/5.5	41.3/49.9	4 × φ60 × 42	φ28	φ35	2.6		17	49/81	140		134
4YG-12.2	12/8.8	41.3/49.9	4 × φ60 × 42	φ28	φ35	2.6	24	69/113	140	141		
4YD-10.2	10/7.5	48.5/58.5	4 × φ65 × 42	φ28	φ35	2.6	21	59/99	140	139		
4YG-15.2	15/10.5	48.5/58.5	4 × φ65 × 42	φ28	φ42	2.6	31	81/132	140	147		

Compressor Model	Nominal Motor Power Hp/kW	Displacement m ³ /h 50/60Hz	Number Of Cylinder x Diameter x Stroke mm	Suction, Discharge line (mm)		Oil Volume (L)	Power Supply V ϕ /Hz	Electrical Parameter		Crankcase Heater (220V) (W)	Oil Supply Method	Weight (kg)
				DL Discharge Valve	SL Suction Valve			Max Operating Current (A)	Starting Locked Current (A)			
4YD-12.2	12/8.8	56.2/67.9	4 x ϕ 70 x 42	ϕ 28	ϕ 35	2.6	380-420Y Y/350 440-480Y Y/360	24	69/113	140	Centrifugal lubrication	141
4YG-20.2	20/15	56.2/67.9	4 x ϕ 70 x 42	ϕ 28	ϕ 42	2.6		37	97/158	140		150
4VD-15.2	15/10.5	73.6/88.8	4 x ϕ 70 x 55	ϕ 28	ϕ 42	4		31	81/132	140	Force-d-lubrication	183
4VG-25.2	25/18.5	73.6/88.8	4 x ϕ 70 x 55	ϕ 28	ϕ 54	4.5		45	116/193	140		203
4VD-20.2	20/15	84.5/101.9	4 x ϕ 75 x 55	ϕ 28	ϕ 54	4.5		37	97/158	140		192
4VG-30.2	30/22	84.5/101.9	4 x ϕ 75 x 55	ϕ 28	ϕ 54	4.5		53	135/220	140		206
6WD-25.2	25/18.5	110.5/133.4	6 x ϕ 70 x 55	ϕ 35	ϕ 54	4.75		45	116/193	140		224
6WG-35.2	35/25.5	110.5/133.4	6 x ϕ 70 x 55	ϕ 35	ϕ 54	4.75		61	147/262	140		235
6WD-30.2	30/22	126.8/153.0	6 x ϕ 75 x 55	ϕ 35	ϕ 54	4.75		53	135/220	140		228
6WG-40.2	40/30	126.8/153.0	6 x ϕ 75 x 55	ϕ 35	ϕ 54	4.75		78	180/323	140		238
6WD-40.2	40/30	151.6/183.0	6 x ϕ 82 x 55	ϕ 42	ϕ 54	4.75		78	180/323	140		239
6WG-50.2	50/37	151.6/183.0	6 x ϕ 82 x 55	ϕ 42	ϕ 54	4.75		92	226/404	140		241
4VDS-12.2	12/8.8	42.3/27.51.03/32.56	4 x ϕ 75 /60 x 55	ϕ 28	ϕ 35	4.5		24	69/113	140	180	
6WDS-16.2	16/11.7	63.5/31.8 76.57/38.57	6 x ϕ 65 /65 x 55	ϕ 35	ϕ 42	4.75		31	81/132	140	209	
6WDS-20.2	20/15	73.6/36.9 88,844.5	6 x ϕ 70 /70 x 55	ϕ 35	ϕ 42	4.75		37	97/158	140	220	
6WDS-25.2	25/18.5	84.5/42.3 101.9/51.1	6 x ϕ 75 /75 x 55	ϕ 35	ϕ 42	4.75		45	116/193	140	233	
6WDS-30.2	30/22	101.1/50.5 122.0/60.9	6 x ϕ 82 /82 x 55	ϕ 35	ϕ 42	4.75		53	135/220	140	234	

