



Compressor Technologies | Africa

PM-II Series



PM-II Series

Quiet and highly efficient,
featuring a two-stage
compression screw, no
gears, and a separate
Permanent Magnet (PM)
motor.



Digital Intelligent Management



24 Hours real-time management



BD Cloud Intelligent management system is equipped with high temperature alarm, over-pressure alarm, and other warning functions

PM VSD Two-stage Compressor Series

Energy Saving, Stable, Quiet &
Intelligent Data Management



Two-Stage Screw Air Compressor

PM-II Series

- After the first stage compression, it undergoes indirect cooling before entering the two-stage compression.
- At least 15% energy saving compared to single-stage compression with same air delivery.
- It uses high-strength UV linear rotors, with a longer life, an accuracy of 0.04 μm .
- Higher meshing, less operation sound, more stable performance.



Compressor Technologies Africa

Technical Parameter PM Series Two-stage Compression Screw Air Compressor

Fixed configuration parameters | Power supply: 380V/415V/440V/460V/3ph/50Hz/60Hz
Starting mode: Variable frequency start | Ambient temperature: -5~50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa): **0.7/0.6-0.8**

Model	Air capacity M³/min	Power Kw	Dimension(mm)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
BD-75PM- II	5.08-12.7	55	2200	1550	1800	ZG2"	1900	78±2	85
BD-100PM- II	6.6-16.5	75	2200	1550	1800	ZG2"	1950	78±2	85
BD-125PM- II	8.08-20.2	90	3044	1844	1850	DN80	2800	80±2	100
BD-150PM- II	9.68-24.2	110	3044	1844	1850	DN80	3000	80±2	100
BD-175PM- II	11.2-28.0	132	3184	2034	2000	DN100	4000	83±2	144
BD-200PM- II	13.44-33.6	160	3184	2034	2000	DN100	4400	83±2	144
BD-250PM- II	15.12-37.80	185	3684	2306	2440	DN125	5500	85±2	188
BD-275PM- II	16.4-41	200	3684	2306	2440	DN125	5800	85±2	188
BD-300PM- II	18-45	220	3684	2306	2440	DN125	6000	85±2	188
BD-350PM- II	21.08-52.7	250	3684	2306	2440	DN125	6500	85±2	188
BD-400PM- II	22.4-56	280	3684	2306	2440	DN125	8500	88±2	260
BD-450PM- II	25-62.5	315	3684	2306	2440	DN125	9500	88±2	260

Rated discharge pressure/Pressure range(Mpa): **1/0.8-1**

Model	Air capacity M³/min	Power Kw	Dimension(mm)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
BD-75PM- II	4.56-11.4	55	2200	1550	1800	ZG2"	1900	78±2	85
BD-100PM- II	5.68-14.2	75	2200	1550	1800	ZG2"	1950	78±2	85
BD-125PM- II	7.16-17.9	90	3044	1844	1850	DN80	2800	80±2	100
BD-150PM- II	8.32-20.8	110	3044	1844	1850	DN80	3000	80±2	100
BD-175PM- II	9.44-23.6	132	3184	2034	2000	DN100	4000	83±2	144
BD-200PM- II	11.36-28.4	160	3184	2034	2000	DN100	4400	83±2	144
BD-250PM- II	13.6-34	185	3684	2306	2440	DN125	5500	85±2	188
BD-275PM- II	14.4-36	200	3684	2306	2440	DN125	5800	85±2	188
BD-300PM- II	16-40	220	3684	2306	2440	DN125	6000	85±2	188
BD-350PM- II	18.08-45.2	250	3684	2306	2440	DN125	6500	85±2	188
BD-400PM- II	20-50	280	3684	2306	2440	DN125	8500	88±2	260
BD-450PM- II	22.2-55.5	315	3684	2306	2440	DN125	9500	88±2	260

Technical Parameter

PM Series Two-stage Compression Screw Air Compressor

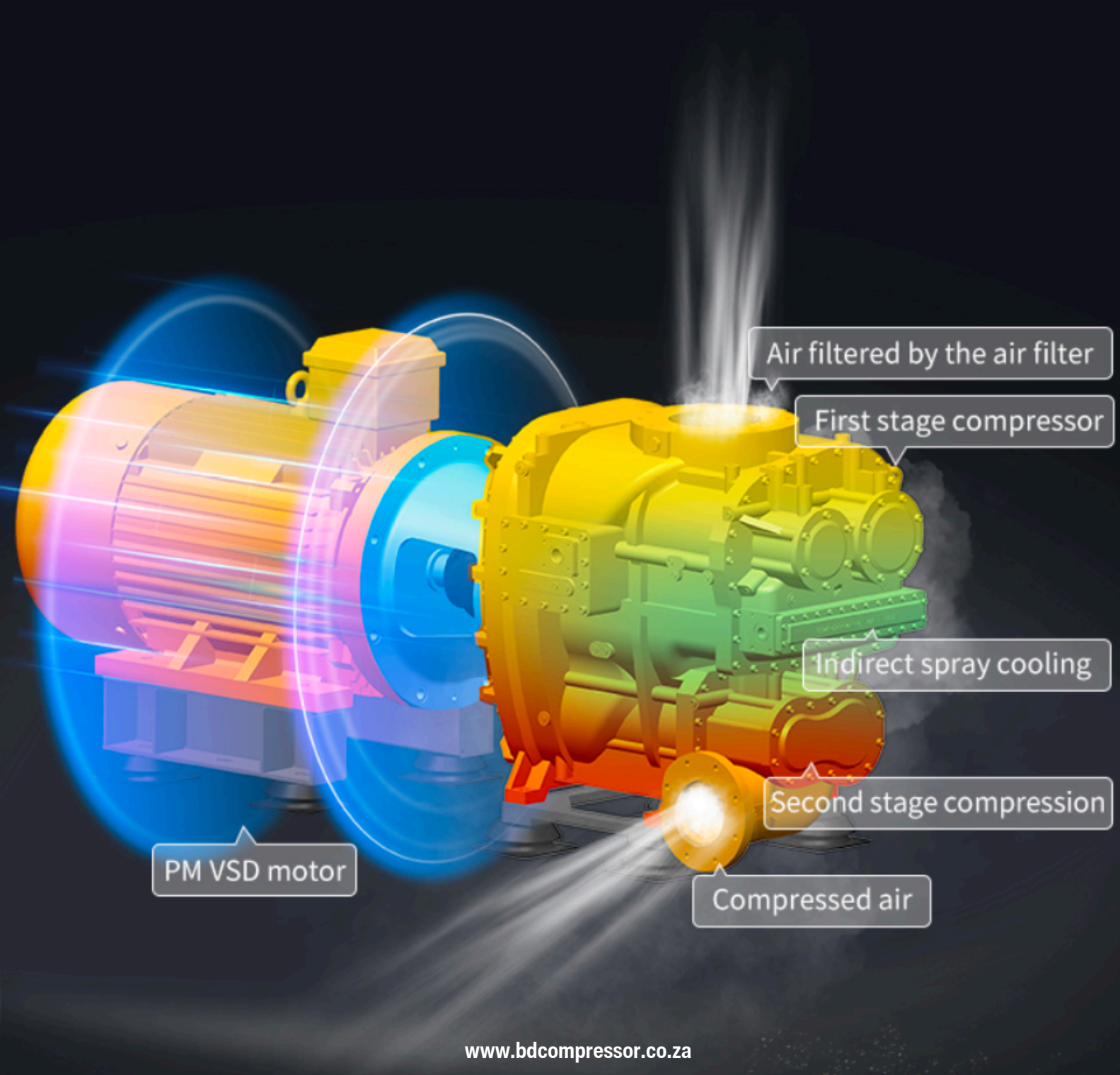
Fixed configuration parameters | Power supply: 380V/415V/440V/460V/3ph/50Hz/60Hz
 Starting mode: Variable frequency start | Ambient temperature: -5~50°C | Air discharge temperature: ≈Ambient temp.+15°C

Rated discharge pressure/Pressure range(Mpa): **1.25/1-1.25**

Model	Air capacity M³/min	Power Kw	Dimension(mm)			Air Outlet Pipe Diameter	Weight Kg	Noise dB(A)	Lubricant L
			L	W	H				
BD-75PM- II	3.88-9.7	55	2200	1550	1800	ZG2"	1900	78±2	85
BD-100PM- II	4.84-12.1	75	2200	1550	1800	ZG2"	1950	78±2	85
BD-125PM- II	6.08-15.2	90	3044	1844	1850	DN80	2800	80±2	100
BD-150PM- II	7.08-17.7	110	3044	1844	1850	DN80	3000	80±2	100
BD-175PM- II	8.04-20.1	132	3184	2034	2000	DN100	4000	83±2	144
BD-200PM- II	9.6-24	160	3184	2034	2000	DN100	4400	83±2	144
BD-250PM- II	11.28-28.2	185	3684	2306	2440	DN125	5500	85±2	188
BD-275PM- II	12.4-31	200	3684	2306	2440	DN125	5800	85±2	188
BD-300PM- II	14-35	220	3684	2306	2440	DN125	6000	85±2	188
BD-350PM- II	15.36-38.4	250	3684	2306	2440	DN125	6500	85±2	188
BD-400PM- II	17.6-44	280	3684	2306	2440	DN125	8500	88±2	260
BD-450PM- II	19.4-48.5	315	3684	2306	2440	DN125	9500	88±2	260

High Efficiency Motor

Complies with the new national standard GB19153-2019 Class 1 energy efficiency.
Energy saving rates up to 35%.



Perfect Design



Digital Touch Screen
Panel



Excellent Shock
Absorption



Original Imported Air
Filter Assembly



Efficient Air-oil
Separator



Silent Fan



High Efficiency Cooler



Frequency
Conversion Box



Fully enclosed Chassis



Precision & Automated
Manufacturing

